

# COMPLETION REPORT

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TERRY'S AUTO SALVAGE:  
REMEDIAL ACTION—SOIL REMOVAL



*Prepared for*  
**CITY OF KELSO**  
*November 22, 2013*  
*Project No.0443.02.04*

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*The material and data in this report were prepared  
under the supervision and direction of the undersigned.*

MAUL FOSTER & ALONGI, INC.



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## ACRONYMS AND ABBREVIATIONS

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|          |  |
|----------|--|
| AEC      | Anderson Environmental Contracting, LLC      |
| bgs      | below ground surface                         |
| City     | City of Kelso                                |
| cPAH     | carcinogenic polycyclic aromatic hydrocarbon |
| CUL      | cleanup level                                |
| CY       | cubic yard(s)                                |
| Ecology  | Washington State Department of Ecology       |
| IHS      | indicator hazardous substance                |
| MFA      | Maul Foster & Alongi, Inc.                   |
| mg/kg    | milligrams per kilogram                      |
| MTCA     | Model Toxics Control Act                     |
| Property | 1124 North Pacific Avenue, Kelso, Washington |
| RAP      | remedial action plan                         |
| ROW      | right-of-way                                 |
| TCLP     | toxicity characteristic leaching procedure   |
| WAC      | Washington Administrative Code               |
| XRF      | X-ray fluorescence                           |

# 1 INTRODUCTION

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On behalf of the City of Kelso (City), Maul Foster & Alongi, Inc. (MFA) has prepared this report describing the completion of the remedial action at the former Terry's Auto Salvage property located at 1124 North Pacific Avenue, Kelso, Washington (the Property) (Facility Site No. 74599527 and Cleanup Site No. 3111). A remedial action was required to address shallow soil contamination identified at the Property during the remedial investigation (MFA, 2012). Excavation and removal of impacted soil was selected as the preferred remedy, in accordance with the focused site assessment findings (MFA, 2012). The remedial action was completed in accordance with the cleanup action plan (Washington State Department of Ecology [Ecology], 2013) and the remedial action plan (RAP) that had been reviewed and approved by Ecology (MFA, 2013a). Anderson Environmental Contracting, LLC (AEC) performed the soil excavation remedial action tasks, with oversight from MFA, from September to November 2013. The remedial action consisted of excavation, on-site management, and off-site disposal of contaminated soil; and placement of clean backfill.

# 2 BACKGROUND

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## 2.1 Site Location and Background

The physical address of the Property is 1124 North Pacific Avenue in Kelso, Washington. The Property is located in section 27 of township 8 north, range 2 west of the Willamette Meridian (see Figure 1). The Property comprises two triangular-shaped parcels (tax assessor parcel numbers 20476 and 20489) bordered by Redpath Street to the north, 1st Avenue North and residential properties to the east, and North Pacific Avenue to the west. The northwest parcel (parcel number 20476) is approximately 0.51 acre, and the southeast parcel (parcel number 20489) is approximately 0.21 acre. The Property is zoned for multifamily housing and is on the edge of a single-family-housing neighborhood.

A garage/office building was removed from the Property prior to the start of remedial action activities. No other structures were present on the Property at the start of construction. The ground surface was unpaved, with little vegetation and few trees and shrubs. The Property is located approximately 500 feet east of the Cowlitz River. An active Burlington Northern Santa Fe rail line runs north-south between the Property and the river.

## 2.2 Site History

The Property had been used as an auto salvage yard since the 1950s. The operations had left the Property in a degraded condition, with remaining debris on site and in the soil consisting of old tires, scrap cars, and automotive parts. By 2010, operations at the Property had ceased and the Property

was abandoned. As part of a Neighborhood Stabilization Program grant, the City removed the derelict garage/office building and relatively large debris (e.g., tires, junk cars, auto parts) left on the Property. Demolition of the building was completed in November 2010. The Property was in arrears on taxes and the City initiated foreclosure in 2012.

Three monitoring wells were installed in May 2012 on the northwest parcel of the Property. The wells were installed to approximately 40 feet below ground surface (bgs) to evaluate deep groundwater quality in the unconfined, alluvial aquifer present below the Property. The wells were decommissioned as part of the remedial action.

## 2.3 Environmental Conditions

Contamination associated with the former auto salvage activities was identified in shallow soil during the remedial investigation of the Property (MFA, 2012). Metals, petroleum hydrocarbons, and petroleum-related constituents were observed above applicable Model Toxics Control Act (MTCA) Method A, unrestricted land use cleanup levels (CULs) in soil generally shallower than 2 feet bgs. Contamination was observed to extend to approximately 4 feet bgs in the central portion of the northern parcel of the Property. Miscellaneous debris (e.g., bits of glass, plastic, wire, and metal; and chunks of wood and tire) were also observed in soil at depths consistent with the vertical extent of contamination in soil. Groundwater was determined not to be impacted by operations on the Property.

CUL exceedances were observed in soil for the following indicator hazardous substances (IHSs):

- Total petroleum hydrocarbons
- Carcinogenic polycyclic aromatic hydrocarbons (cPAHs)
- Benzene
- Xylenes
- Polychlorinated biphenyls
- Metals (arsenic, cadmium, lead, and mercury)

A remedial action was designed to address these soil exceedances and to remove remaining debris.

# 3 EXCAVATION OF CONTAMINATED SOIL

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The remedial action included excavation of soil with IHS concentrations above MTCA Method A, unrestricted use CULs; backfilling the excavations; and transporting the contaminated material off site for disposal. Photographs showing contaminated material excavation and backfilling activities are presented in Appendix A.

### 3.1 Site Clearing, Preparation, and Layout

The Property was initially cleared in 2010, when the garage/office building and scrap automobile parts were removed. Site clearing and preparation under the RAP involved establishing erosion- and sediment-control measures, removal of vegetation and surficial soils on the Property, and decommissioning groundwater monitoring wells.

Before soil removal activities began, silt fencing was installed bordering locations where stormwater runoff had the potential to migrate off site. A 6-foot-tall chain-link security fence was erected around the Property for public safety and security. Lateral excavation extents were established by AEC, verified by the engineer, and marked with paint prior to excavation.

One tree was removed from the northern parcel of the Property prior to the start of excavation. Additionally, two arborvitae shrubs located within the limits of the off-property excavation area were removed.

Because of the heterogeneous nature of the surface contamination, the entire Property was scraped a minimum depth of approximately 8 inches. In areas with obvious soil staining and/or excess debris present, removal of the upper layer of soil was increased to approximately 24 inches.

The three monitoring wells were decommissioned by a Cascade Drilling, L.P. and in accordance with the requirements of Washington Administrative Code (WAC) 173-160.

### 3.2 On-Property Excavation

Soil within the remedial action excavation boundaries was removed with a trackhoe excavator, stockpiled on site while waste profiling was completed, then disposed of at an appropriate landfill. Initially, soil was excavated to the approximate depths and extents indicated on the RAP design drawings. During the excavation, measurements were collected at remedial action excavation boundaries, using an X-ray fluorescence (XRF) instrument to assess whether elevated lead concentrations extended beyond the estimated excavation boundary. A conservative field screening level was determined for the XRF in the sampling and analysis plan (MFA, 2013b). When XRF readings at the excavation boundaries exceeded the screening level, the site engineer directed the contractor to excavate further until an acceptable level of lead was detected by XRF. All excavated soil was stockpiled and managed as described in Section 3.4.

Confirmation samples were collected from the excavation sidewalls and floors, following these procedures developed in the RAP (MFA, 2013a):

- A minimum of one sample for every 625-square-foot area was collected from the floors of the excavations.
- Discrete samples were collected every 30 linear feet along the sidewalls of the excavations at depths that coincided with known impacts or with impacts observed during field screening.



- Sidewall confirmation samples were collected approximately halfway between the floor of each excavation and the original ground surface.
- Confirmation samples were submitted to Specialty Analytical in Clackamas, Oregon, for analysis.
- IHS concentrations observed in confirmation samples were compared to CULs on a sample-specific basis to evaluate compliance.

Approximately 1,770 cubic yards (CY) of soil was removed as part of the remedial action. All confirmation samples collected from the final excavation boundaries on the Property met CULs. Table 1 summarizes laboratory analytical results for soil confirmation samples collected at the site. Appendix B contains the laboratory reports and the data validation memorandum.

Hampstur Corporation surveyed the excavation limits upon notification of completion by AEC. A comprehensive as-built survey showing the excavation extents and depths is included as Appendix C.

### 3.3 Off-Property Excavation

Initial site investigations showed CUL exceedances in an adjacent, privately-owned property north of the southeast parcel. Excavation of impacted soil in this area was conducted as outlined in the RAP. The excavation boundary CS-3 is delineated in Figure 2. Confirmation sample results from the northern boundary of the off-property excavation area indicated that further excavation was necessary, and the boundary was extended. IHS concentrations in the final confirmation samples from this area were below CULs.

During construction, XRF detections and confirmation sidewall samples found soil exceeding CULs for cadmium, lead, benzene, and cPAHs that extended beyond the eastern property boundary of the northwest parcel (see area CS-6 in Figure 2) into the City right-of-way (ROW). In the ROW in this area is an attached garage to the neighboring residence. The excavation was extended to the east edge of the City ROW and up to the foundation of the garage. Samples were collected on the north face of the excavation in the ROW and at the building foundation in the ROW. IHS concentrations in the final confirmation samples (CS6-W12 and CS6-W13) collected from the boundaries of CS6 met CULs, with the exception of lead. However, the statistical distribution of lead concentrations in soil remaining in place (i.e., in final confirmation samples) indicates that lead concentrations statewide are in compliance with the CUL and no further remedial action is necessary. The statistical procedures used to make this determination are further described in Section 4.

### 3.4 Stockpile Management and Disposal

Excavated soil was stockpiled and managed in stockpile units that were approximately 100 CY or less in volume. Stockpiles were covered to prevent erosion. Samples were collected and analyzed from the soil stockpiles for waste profiling. A five-point composite sample was collected from each 100-CY stockpile unit for laboratory analysis. Composite samples were collected by MFA and submitted to Specialty Analytical for toxicity characteristic leaching procedure (TCLP) analysis.

Table 2 summarizes laboratory analytical results for stockpile soil composite samples collected at the site. Appendix B contains the laboratory reports and the data validation memorandum.

Soil that was above the TCLP limit was originally to be treated on site, as outlined in the RAP. It was assumed that roughly 500 CY of excavated material would exceed the TCLP limit and require treatment. However, approximately half of that amount actually exceeded the TCLP limit, resulting in a manageable quantity for disposal as hazardous waste. Consequently, soil that was above the TCLP limit was disposed of off site as hazardous waste at Waste Management's RCRA Subtitle-C landfill in Arlington, Oregon.

Soil that was below the TCLP limit was disposed of as nonhazardous waste at the Weyerhaeuser Headquarters Landfill in Castle Rock, Washington.

### 3.5 As-Built

The soil removal was surveyed during and at the conclusion of excavation operations. The top and toe of the excavation extents were recorded for final elevation and location. The as-built surveys were used to verify that the boundary of the excavation had been met and that the quantity of material removed was sufficient, and to map the location and elevations of all additional excavation. A final as-built plan is included as Appendix C.

## 4 CLEANUP LEVEL COMPLIANCE

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CULs were met in all confirmation samples collected at the final excavation boundaries, except for lead in two confirmation samples collected near the northwest boundary of the Property (CS6-W12 and CS6-W13). Despite these sample-specific CUL exceedances, a determination was made that lead concentrations in soil remaining on site are in compliance with the CUL and that no further remedial action is necessary.

In WAC 173-340-740, MTCA provides procedures for evaluating compliance with soil cleanup standards for unrestricted land use. Under the provisions put forth in this WAC chapter, statistical methods may be used to evaluate compliance with CULs. As described in WAC 173-340-740(7), the upper percentile soil concentration is used to evaluate compliance with CULs based on short-term or acute toxic effects, providing that the following requirements are met:

- No single sample concentration shall be greater than two times the CUL.
- Less than ten percent of the sample concentrations shall exceed the soil CUL.

The lead MTCA Method A CUL is based on preventing unacceptable blood lead levels in humans. Lead can have adverse effects to human health before the usual term of chronic exposure (USEPA, 2013); therefore, the upper percentile concentration of the entire population of final confirmation samples, which are representative of soil remaining on site, was compared to the CUL to evaluate compliance. The Ecology MTCASat 97 Site Module tool was used to calculate an upper percentile

concentration for the data set, and the Ecology MTCABckgd97 model was used to confirm the distribution of the data.

Lead was not detected above the detection limit in 17 out of 47, or 36 percent, of the final confirmation samples (see Table 2). Half the detection limit was used as a replacement for censored values, in accordance with the MTCASat guidance for data sets with between 15 and 50 percent censored values. The Ecology background model confirmed the data distribution as lognormal; therefore, the upper percentile was calculated using Land's method. The upper percentile lead concentration is 136 milligrams per kilogram (mg/kg), which is well below the CUL (see MTCASat output, Appendix D). Further, the highest detected concentration (336 mg/kg) is less than twice the CUL of 250 mg/kg, and two out of 47 samples, or 4 percent, of the sample concentrations exceeded the CUL.

Lead concentrations remaining in soil at the Property comply with the compliance monitoring requirements set forth in MTCAs. Statistical analysis of lead concentrations in the final, sitewide confirmation samples indicates that lead is in compliance with the CUL and that no further remedial action is necessary.

## 5 BACKFILL

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Excavations were backfilled using common borrow (crushed 1¼-inch reject rock) from DeRosier Trucking Inc. in Kelso, Washington. A fill source statement from the landowner, providing the location, current and previous land uses, and a statement that, to the best of the landowner's knowledge, there had never been contamination of the borrow source site with hazardous or toxic materials, was required and provided (Appendix E). Backfill material was placed in the excavated areas and compacted in lifts using a sheep's foot roller, in accordance with the project specifications.

Because of the lateness of the season for seeding the site and the fact that the backfill material consisted of an unwashed crushed rock, the contractor requested that the final surface condition of the Property be changed to the 1¼-inch crushed reject backfill material. This was accepted and approved by the City.

The off-property excavation areas in the City ROW and neighboring property were backfilled with clean topsoil from J.L. Storedahl & Sons Owl Creek Sand/Anchor Pit in Longview, Washington. Off-property excavations were backfilled to match the existing grade and were subsequently planted with sod.

The final grading of the Property was adjusted in the field, based on site conditions and import quantities.

## 6 FINAL INSPECTION

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The final inspection of the excavation work was completed on November 1, 2013. At that time, there were no outstanding issues. However, in the following week, heavy rainfall caused runoff to accumulate near the northeast corner of the Property. AEC returned to the Property and created a shallow swale to collect runoff.

## LIMITATIONS

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The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

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Ecology. 2013. Draft cleanup action plan, Terry's Auto Salvage site. Washington State Department of Ecology, Toxics Cleanup Program, southwest regional office, Lacey, Washington. April.

MFA. 2012. Focused site assessment report, former Terry's Auto Salvage property. Maul Foster & Alongi, Inc., Bellingham, Washington. October 2.

MFA. 2013a. Remedial action plan and engineering design report: former Terry's Auto Salvage. Prepared for the City of Kelso. Maul Foster & Alongi, Inc., Portland, Oregon. May 29.

MFA. 2013b. Sampling and analysis plan: former Terry's Auto Salvage. Prepared for the City of Kelso. Maul Foster & Alongi, Inc., Portland, Oregon. August 8.

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# TABLES



Table 1  
Confirmation Sample Summary  
City of Kelso  
Kelso, Washington

| Analyte                              | Remediation Levels | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result |
|--------------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Excavation:                          |                    | CS1           |               |               |               |               | CS2           |               |               |               |               |
| Sample Location:                     |                    | CS1-S-1.0-W1  | CS1-S-1.0 -W2 | CS1-S-1.0-W3  | CS1-S-1.0 -W4 | CS1-S-2.0-F1  | CS2-S-1.5-W1  | CS2-S-1.5-W2  | CS2-S-1.5-W3  | CS2-S-1.5-W4  | CS2-S-1.5-W5  |
| Depth (ft bgs)                       |                    | 1             | 1             | 1             | 1             | 2             | 1.5           | 1.5           | 1.5           | 1.5           | 1.5           |
| Sample Date:                         |                    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 10/07/2013    |
| Total Petroleum Hydrocarbons (mg/kg) |                    |               |               |               |               |               |               |               |               |               |               |
| Diesel                               | NV                 | 21.1 U        | 20.9 U        | 21.7 U        | 60.2 J        | 21.7 U        | 26.4 J        | 31.2 J        | 45.3 J        | 60.3 J        | 20.8 U        |
| Lube Oil                             | NV                 | 70.5 U        | 69.7 U        | 72.5 U        | 151.0         | 72.3 U        | 86.4          | 112           | 213           | 311           | 69.3 U        |
| Total Heavy Oil                      | 2000               | 70.5 U        | 69.7 U        | 72.5 U        | 211.2         | 72.3 U        | 112.8         | 143.2         | 258.3         | 371.3         | 69.3 U        |
| Gasoline                             | 30                 | 7.61 U        | 9.48 U        | 6.96 U        | 7.75 U        | 6.14 U        | 16.2 U        | 6.02 U        | 5.53 U        | 6.89 U        | 7.69 U        |
| Total Metals (mg/kg)                 |                    |               |               |               |               |               |               |               |               |               |               |
| Arsenic                              | 20                 | 2.71 U        | 2.18 U        | 3.00          | 2.41 U        | 2.68 U        | 9.80          | 7.38          | <b>51.6</b>   | 2.73          | 12.4 U        |
| Cadmium                              | 2                  | 0.136 U       | 0.109 U       | 0.139 U       | 0.181         | 0.134 U       | <b>3.05</b>   | 0.604         | 1.62          | 0.496         | 1.24 U        |
| Lead                                 | 250                | 2.71 U        | 2.18 U        | 2.79 U        | 14.1          | 2.68 U        | <b>284</b>    | 134           | <b>511</b>    | 71.0          | 6.19 U        |
| Mercury                              | 2                  | 0.0313 U      | 0.0264        | 0.0477        | 0.0349        | 0.0509        | 1.68          | 0.0519        | 0.0726        | 0.0237        | 0.0775        |
| Volatile Organic Compounds (mg/kg)   |                    |               |               |               |               |               |               |               |               |               |               |
| Benzene                              | 0.03               | 0.015 U       | 0.019 U       | 0.014 U       | 0.016 U       | 0.012 U       | <b>0.078</b>  | 0.012 U       | 0.011 U       | 0.014 U       | <b>0.035</b>  |
| Total Xylenes                        | 9                  | 0.91 U        | 1.1 U         | 0.84 U        | 0.93 U        | 0.74 U        | 1.9 U         | 0.72 U        | 0.66 U        | 0.83 U        | 0.92 U        |
| PAHs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |               |
| Benz(a)anthracene                    | NV                 | 0.0094 U      | 0.0093 U      | 0.00967 U     | 0.00932 U     | 0.00964 U     | 0.00970 U     | 0.00981       | 0.00794 U     | 0.0100        | 0.00925 U     |
| Benzo(a)pyrene                       | NV                 | 0.0094 U      | 0.0093 U      | 0.00967 U     | 0.00932 U     | 0.00964 U     | 0.00970 U     | 0.00892 U     | 0.00794 U     | 0.0131        | 0.00925 U     |
| Benzo(b)fluoranthene                 | NV                 | 0.0094 U      | 0.0093 U      | 0.00967 U     | 0.00932 U     | 0.00964 U     | 0.00970 U     | 0.0143        | 0.0135        | 0.0224        | 0.00925 U     |
| Benzo(k)fluoranthene                 | NV                 | 0.0094 U      | 0.0093 U      | 0.00967 U     | 0.00932 U     | 0.00964 U     | 0.00970 U     | 0.00892 U     | 0.00794 U     | 0.00773 U     | 0.00925 U     |
| Chrysene                             | NV                 | 0.0094 U      | 0.0093 U      | 0.00967 U     | 0.00932 U     | 0.00964 U     | 0.00970 U     | 0.0116        | 0.0103        | 0.0170        | 0.00925 U     |
| Dibenz(a,h)anthracene                | NV                 | 0.0094 U      | 0.0093 U      | 0.00967 U     | 0.00932 U     | 0.00964 U     | 0.00970 U     | 0.00892 U     | 0.00794 U     | 0.00773 U     | 0.00925 U     |
| Indeno(1,2,3-cd)pyrene               | NV                 | 0.0094 U      | 0.0093 U      | 0.00967 U     | 0.00932 U     | 0.00964 U     | 0.00970 U     | 0.00892 U     | 0.00794 U     | 0.0124        | 0.00925 U     |
| cPAH TEQ                             | 0.1                | ND            | ND            | ND            | ND            | ND            | ND            | 0.00833       | 0.00701       | 0.0185        | ND            |
| PCBs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |               |
| Aroclor 1016                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Aroclor 1221                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Aroclor 1232                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Aroclor 1242                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Aroclor 1248                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Aroclor 1254                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.00597       | 0.0167        | 0.0293        | 0.000462 U    |
| Aroclor 1260                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Aroclor 1262                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Aroclor 1268                         | NV                 | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.000445 U    | 0.000396 U    | 0.000386 U    | 0.000462 U    |
| Total Aroclor                        | 1                  | 0.000469 U    | 0.000464 U    | 0.000483 U    | 0.000465 U    | 0.000481 U    | 0.000484 U    | 0.00597       | 0.0167        | 0.0293        | 0.000462 U    |



Table 1  
Confirmation Sample Summary  
City of Kelso  
Kelso, Washington

| Analyte                              | Remediation Levels | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result |
|--------------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Excavation:                          |                    | CS2           |               |               |               | CS3           |               |               |               |               |               |
| Sample Location:                     |                    | CS2-S-1.5-W6  | CS2-S-3.0-F1  | CS2-S-1.5-W7  | CS2-S-1.5-W8  | CS3-S-1.0-W1  | CS3-S-1.0-W2  | CS3-S-1.0-W3  | CS3-S-1.0-W4  | CS3-S-1.0-W5  | CS3-S-2.0-F1  |
| Depth (ft bgs)                       |                    | 1.5           | 3             | 1.5           | 1.5           | 1             | 1             | 1             | 1             | 1             | 2             |
| Sample Date:                         |                    | 10/07/2013    | 09/30/2013    | 10/14/2013    | 10/14/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 10/07/2013    | 09/30/2013    |
| Total Petroleum Hydrocarbons (mg/kg) |                    |               |               |               |               |               |               |               |               |               |               |
| Diesel                               | NV                 | 21.9 U        | 24.8          | 55.1          | 18.9 U        | 33.5 J        | 27.0 J        | 20.3 U        | 21.5 U        | 19.9 U        | 35.0 J        |
| Lube Oil                             | NV                 | 73.0 U        | 102           | 169           | 63.1 U        | 125           | 88.9          | 91.4          | 71.6 U        | 66.3 U        | 110           |
| Total Heavy Oil                      | 2000               | 73.0 U        | 126.8         | 224.1         | 63.1 U        | 158.5         | 115.9         | 91.4          | 71.6 U        | 66.3 U        | 145           |
| Gasoline                             | 30                 | 7.74 U        | 7.80 U        | 8.48 U        | 6.12 U        | 7.14 U        | 7.55 U        | 13.3 U        | 7.66 U        | 6.30 U        | 8.56 U        |
| Total Metals (mg/kg)                 |                    |               |               |               |               |               |               |               |               |               |               |
| Arsenic                              | 20                 | 12.6 U        | 2.70 U        | 12.4 U        | 11.7 U        | 2.92 U        | 2.18 U        | 2.18 U        | 2.47 U        | 12.30 U       | 2.95 U        |
| Cadmium                              | 2                  | 1.58          | 0.135         | 1.93          | 1.17 U        | 0.146 U       | 0.109 U       | <b>2.64</b>   | 0.296         | 1.23 U        | 0.236         |
| Lead                                 | 250                | 62.3          | 17.7          | 161           | 17.2          | 13.3          | 2.18 U        | 129           | 27            | 81.7          | 15.9          |
| Mercury                              | 2                  | 0.0893        | 0.0664        | 0.164         | 0.111         | 0.0553        | 0.0277        | 0.0648        | 0.161         | 0.0882        | 0.0246        |
| Volatile Organic Compounds (mg/kg)   |                    |               |               |               |               |               |               |               |               |               |               |
| Benzene                              | 0.03               | <b>0.042</b>  | 0.016 U       | 0.017 U       | 0.012 U       | 0.014 U       | 0.030 U       | 0.027 U       | 0.015 U       | 0.030         | 0.017 U       |
| Total Xylenes                        | 9                  | 0.93 U        | 0.93 U        | 1.0 U         | 0.74 U        | 0.86 U        | 0.91 U        | 1.6 U         | 0.91 U        | 0.76 U        | 1.0 U         |
| PAHs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |               |
| Benz(a)anthracene                    | NV                 | 0.00974 U     | 0.00973 U     | 0.00959 U     | 0.00842 U     | 0.00972 U     | 0.00959 U     | 0.00902 U     | 0.00955 U     | 0.00884 U     | 0.00984 U     |
| Benzo(a)pyrene                       | NV                 | 0.00974 U     | 0.00973 U     | 0.00959 U     | 0.00842 U     | 0.00972 U     | 0.00959 U     | 0.00902 U     | 0.00955 U     | 0.00884 U     | 0.00984 U     |
| Benzo(b)fluoranthene                 | NV                 | 0.0175        | 0.00973 U     | 0.00959 U     | 0.00842 U     | 0.00972 U     | 0.00959 U     | 0.00902 U     | 0.00955 U     | 0.00884 U     | 0.00984 U     |
| Benzo(k)fluoranthene                 | NV                 | 0.00974 U     | 0.00973 U     | 0.00959 U     | 0.00842 U     | 0.00972 U     | 0.00959 U     | 0.00902 U     | 0.00955 U     | 0.00884 U     | 0.00984 U     |
| Chrysene                             | NV                 | 0.0146        | 0.00973 U     | 0.00959 U     | 0.00842 U     | 0.00972 U     | 0.00959 U     | 0.00902 U     | 0.00955 U     | 0.00884 U     | 0.00984 U     |
| Dibenz(a,h)anthracene                | NV                 | 0.00974       | 0.00973 U     | 0.00959 U     | 0.00842 U     | 0.00972 U     | 0.00959 U     | 0.00902 U     | 0.00955 U     | 0.00884 U     | 0.00984 U     |
| Indeno(1,2,3-cd)pyrene               | NV                 | 0.00974       | 0.00973 U     | 0.00959 U     | 0.00842 U     | 0.00972 U     | 0.00959 U     | 0.00902 U     | 0.00955 U     | 0.00884 U     | 0.00984 U     |
| cPAH TEQ                             | 0.1                | 0.00969       | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| PCBs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |               |
| Aroclor 1016                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1221                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1232                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1242                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1248                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1254                         | NV                 | 0.000486 U    | 0.00399       | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1260                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1262                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Aroclor 1268                         | NV                 | 0.000486 U    | 0.000486 U    | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |
| Total Aroclor                        | 1                  | 0.000486 U    | 0.00399       | 0.000479 U    | 0.000420 U    | 0.000485 U    | 0.000479 U    | 0.000450 U    | 0.000477 U    | 0.000442 U    | 0.000492 U    |

Table 1  
Confirmation Sample Summary  
City of Kelso  
Kelso, Washington

| Analyte                              | Remediation Levels | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result |
|--------------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Excavation:                          |                    | CS4           |               |               |               |               |               |               |               |
| Sample Location:                     |                    | CS4-S-1.5-W1  | CS4-S-1.5-W2  | CS4-S-1.5-W4  | CS4-S-1.5-W5  | CS4-S-1.5-W7  | CS4-S-1.5-W6  | CS4-S-1.5-W8  | CS4-S-1.5-W9  |
| Depth (ft bgs)                       |                    | 1.5           | 1.5           | 1.5           | 1.5           | 1.5           | 1.5           | 1.5           | 1.5           |
| Sample Date:                         |                    | 10/01/2013    | 10/01/2013    | 10/01/2013    | 10/01/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/07/2013    |
| Total Petroleum Hydrocarbons (mg/kg) |                    |               |               |               |               |               |               |               |               |
| Diesel                               | NV                 | 20.3 U        | 22.7 U        | 16.9 U        | 17.3 U        | 18.7 U        | 22.6 U        | 21.0 U        | 20.8 U        |
| Lube Oil                             | NV                 | 74.4          | 75.7 U        | 56.4 U        | 57.7 U        | 73.2          | 75.2 U        | 70.1 U        | 69.2 U        |
| Total Heavy Oil                      | 2000               | 74.4          | 75.7 U        | 56.4 U        | 57.7 U        | 73.2          | 75.2 U        | 70.1 U        | 69.2 U        |
| Gasoline                             | 30                 | 7.73 U        | 9.53 U        | 5.70 U        | 3.58 U        | 6.24 U        | 9.47 U        | 6.94 U        | 6.85 U        |
| Total Metals (mg/kg)                 |                    |               |               |               |               |               |               |               |               |
| Arsenic                              | 20                 | 2.34 U        | 2.80          | 1.76 U        | 1.86 U        | 2.23 U        | 2.69 U        | 2.60 U        | 11.9 U        |
| Cadmium                              | 2                  | 0.140         | 0.118 U       | 0.485         | 0.531         | 1.94          | 0.134 U       | 0.130 U       | 1.19 U        |
| Lead                                 | 250                | 163 J         | 2.36 U        | 6.24 J        | 8.73 J        | <b>497</b>    | 95.1          | 2.60 U        | 7.15          |
| Mercury                              | 2                  | 0.277         | 0.0868        | 0.112         | 0.157         | 0.360         | 0.177         | 0.141         | 0.0475        |
| Volatile Organic Compounds (mg/kg)   |                    |               |               |               |               |               |               |               |               |
| Benzene                              | 0.03               | 0.015 U       | 0.019 U       | 0.011 U       | 0.0071 U      | 0.012 U       | 0.019 U       | 0.016 U       | <b>0.034</b>  |
| Total Xylenes                        | 9                  | 0.92 U        | 1.1 U         | 0.69 U        | 0.43 U        | 0.75 U        | 1.1 U         | 0.97 U        | 0.82 U        |
| PAHs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |
| Benz(a)anthracene                    | NV                 | 0.0316        | 0.0101 U      | 0.00828       | 0.00770 U     | 0.00831 U     | 0.0100 U      | 0.00936 U     | 0.00923 U     |
| Benzo(a)pyrene                       | NV                 | 0.00994       | 0.0101 U      | 0.00753 U     | 0.00770 U     | 0.0116        | 0.0100 U      | 0.00936 U     | 0.00923 U     |
| Benzo(b)fluoranthene                 | NV                 | 0.0163        | 0.0101 U      | 0.0143        | 0.00770 U     | 0.0199        | 0.0100 U      | 0.00936 U     | 0.00923 U     |
| Benzo(k)fluoranthene                 | NV                 | 0.00904 U     | 0.0101 U      | 0.00753 U     | 0.00770 U     | 0.00831 U     | 0.0100 U      | 0.00936 U     | 0.00923 U     |
| Chrysene                             | NV                 | 0.0452        | 0.0101 U      | 0.114 J       | 0.00770 UJ    | 0.0133        | 0.0100 U      | 0.00936 U     | 0.00923 U     |
| Dibenz(a,h)anthracene                | NV                 | 0.00904 U     | 0.0101 U      | 0.00753 U     | 0.00770 U     | 0.00831 U     | 0.0100 U      | 0.00936 U     | 0.00923 U     |
| Indeno(1,2,3-cd)pyrene               | NV                 | 0.00904 U     | 0.0101 U      | 0.00753 U     | 0.00770 U     | 0.0150        | 0.0100 U      | 0.00936 U     | 0.00923 U     |
| cPAH TEQ                             | 0.1                | 0.0165        | ND            | 0.00829       | ND            | 0.0165        | ND            | ND            | ND            |
| PCBs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |
| Aroclor 1016                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Aroclor 1221                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Aroclor 1232                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Aroclor 1242                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Aroclor 1248                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Aroclor 1254                         | NV                 | 0.000451 U    | 0.000504 U    | 0.00542 J     | 0.000384 UJ   | 0.00573       | 0.00321       | 0.000467 U    | 0.000461 U    |
| Aroclor 1260                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Aroclor 1262                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Aroclor 1268                         | NV                 | 0.000451 U    | 0.000504 U    | 0.000376 U    | 0.000384 U    | 0.000415 U    | 0.000501 U    | 0.000467 U    | 0.000461 U    |
| Total Aroclor                        | 1                  | 0.000451 U    | 0.000504 U    | 0.00542       | 0.000384 U    | 0.00573       | 0.00321       | 0.000467 U    | 0.000461 U    |

Table 1  
Confirmation Sample Summary  
City of Kelso  
Kelso, Washington

| Analyte                              | Remediation Levels | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result |
|--------------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Excavation:                          |                    | CS4           |               |               | CS5           |               |               |               |               |               |
| Sample Location:                     |                    | CS4-S-1.5-W10 | CS4-S-3.0-F1  | CS4-S-3.0-F2  | CS5-S-2.0-W1  | CS5-S-2.0-W2  | CS5-S-2.0-W3  | CS5-S-2.0-W4  | CS5-S-2.0-W5  | CS5-S-4.0-F1  |
| Depth (ft bgs)                       |                    | 1.5           | 3             | 3             | 2             | 2             | 2             | 2             | 2             | 4             |
| Sample Date:                         |                    | 10/14/2013    | 10/01/2013    | 10/02/2013    | 10/01/2013    | 10/01/2013    | 10/01/2013    | 10/01/2013    | 10/01/2013    | 10/01/2013    |
| Total Petroleum Hydrocarbons (mg/kg) |                    |               |               |               |               |               |               |               |               |               |
| Diesel                               | NV                 | 22.3 U        | 22.9 U        | 31.8          | 65.6 J        | 21.1 U        | 22.4 U        | 19.7 U        | 25.0 U        | 21.1 U        |
| Lube Oil                             | NV                 | 74.3 U        | 76.3 U        | 136           | 185           | 70.3 U        | 74.7 U        | 65.8 U        | 83.2 U        | 70.5 U        |
| Total Heavy Oil                      | 2000               | 74.3 U        | 76.3 U        | 168           | 250.6         | 70.3 U        | 74.7 U        | 65.8 U        | 83.2 U        | 70.5 U        |
| Gasoline                             | 30                 | 9.51 U        | 8.46 U        | 8.79 U        | 10.8          | 7.80 U        | 7.99 U        | 5.79 U        | 8.99 U        | 7.47 U        |
| Total Metals (mg/kg)                 |                    |               |               |               |               |               |               |               |               |               |
| Arsenic                              | 20                 | 12.8 U        | 2.63 U        | 2.73 U        | 2.81          | 2.51 U        | 3.31          | 3.44          | 2.97 U        | 3.96          |
| Cadmium                              | 2                  | 1.28 U        | 0.131 U       | 0.137 U       | 1.53          | 0.126 U       | 0.133 U       | 0.103 U       | 0.357         | 0.107 U       |
| Lead                                 | 250                | 79.8          | 2.63 U        | 2.73 U        | 149 J         | 2.51 U        | 8.26 J        | 2.05 U        | 9.75 J        | 2.14 U        |
| Mercury                              | 2                  | 0.932         | 0.146         | 0.194         | 0.448         | 0.155         | 0.108         | 0.165         | 0.187         | 0.198         |
| Volatile Organic Compounds (mg/kg)   |                    |               |               |               |               |               |               |               |               |               |
| Benzene                              | 0.03               | 0.019 U       | 0.017 U       | 0.018 U       | 0.012 U       | 0.016 U       | 0.016 U       | 0.012 U       | 0.018 U       | 0.015 U       |
| Total Xylenes                        | 9                  | 1.1 U         | 1.0 U         | 1.1 U         | 0.72 U        | 0.94 U        | 0.96 U        | 0.69 U        | 1.1 U         | 0.90 U        |
| PAHs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |
| Benz(a)anthracene                    | NV                 | 0.00991 U     | 0.0102 U      | 0.0102 U      | 0.0110        | 0.00938 U     | 0.00997 U     | 0.00877 U     | 0.0133        | 0.00940 U     |
| Benzo(a)pyrene                       | NV                 | 0.00991 U     | 0.0102 U      | 0.0102 U      | 0.00788 U     | 0.00938 U     | 0.00997 U     | 0.00877 U     | 0.0111 U      | 0.00940 U     |
| Benzo(b)fluoranthene                 | NV                 | 0.00991 U     | 0.0102 U      | 0.0102 U      | 0.0173        | 0.00938 U     | 0.00997 U     | 0.00877 U     | 0.0111 U      | 0.00940 U     |
| Benzo(k)fluoranthene                 | NV                 | 0.00991 U     | 0.0102 U      | 0.0102 U      | 0.00788 U     | 0.00938 U     | 0.00997 U     | 0.00877 U     | 0.0111 U      | 0.00940 U     |
| Chrysene                             | NV                 | 0.00991 U     | 0.0102 U      | 0.0102 U      | 0.122         | 0.00938 U     | 0.00997 U     | 0.00877 U     | 0.0166        | 0.00940 U     |
| Dibenz(a,h)anthracene                | NV                 | 0.00991 U     | 0.0102 U      | 0.0102 U      | 0.00788 U     | 0.00938 U     | 0.00997 U     | 0.00877 U     | 0.0111 U      | 0.00940 U     |
| Indeno(1,2,3-cd)pyrene               | NV                 | 0.00991 U     | 0.0102 U      | 0.0102 U      | 0.00788 U     | 0.00938 U     | 0.00997 U     | 0.00877 U     | 0.0111 U      | 0.00940 U     |
| cPAH TEQ                             | 0.1                | ND            | ND            | ND            | 0.00917       | ND            | ND            | ND            | 0.00927       | ND            |
| PCBs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |
| Aroclor 1016                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Aroclor 1221                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Aroclor 1232                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Aroclor 1242                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Aroclor 1248                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Aroclor 1254                         | NV                 | 0.000495 U    | 0.000508 U    | 0.00459       | 0.985         | 0.000468 U    | 0.00309       | 0.00237       | 0.00444       | 0.000469 U    |
| Aroclor 1260                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Aroclor 1262                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Aroclor 1268                         | NV                 | 0.000495 U    | 0.000508 U    | 0.000509 U    | 0.000393 U    | 0.000468 U    | 0.000498 U    | 0.000438 U    | 0.000554 U    | 0.000469 U    |
| Total Aroclor                        | 1                  | 0.000495 U    | 0.000508 U    | 0.00459       | 0.985         | 0.000468 U    | 0.00309       | 0.000438 U    | 0.00444       | 0.000469 U    |

Table 1  
Confirmation Sample Summary  
City of Kelso  
Kelso, Washington

| Analyte                              | Remediation Levels | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result |
|--------------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Excavation:                          |                    | CS6           |               |               |               |               |               |               |               |               |               |
| Sample Location:                     |                    | CS6-S-1.25-W1 | CS6-S-1.25-W2 | CS6-S-1.25-W3 | CS6-S-2.5-F1  | CS6-S-2.5-F2  | CS6-S-2.5-F3  | CS6-S-1.25-W4 | CS6-S-1.25-W5 | CS6-S-1.25-W7 | CS6-S-1.25-W6 |
| Depth (ft bgs)                       |                    | 1.25          | 1.25          | 1.25          | 2.5           | 2.5           | 2.5           | 1.25          | 1.25          | 1.25          | 1.25          |
| Sample Date:                         |                    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    |
| Total Petroleum Hydrocarbons (mg/kg) |                    |               |               |               |               |               |               |               |               |               |               |
| Diesel                               | NV                 | 125 J         | 91.8 J        | 59.5 J        | 21.9 U        | 20.2 U        | 28.5          | 20.2 U        | 20.1 U        | 18.3 U        | 22.1 U        |
| Lube Oil                             | NV                 | 635           | 399           | 226           | 81.9          | 67.3 U        | 80.5          | 67.2 U        | 67.1 U        | 61.2 U        | 73.8 U        |
| Total Heavy Oil                      | 2000               | 760           | 491           | 285.5         | 81.9          | 67.3 U        | 109           | 67.2 U        | 67.1 U        | 61.2 U        | 73.8 U        |
| Gasoline                             | 30                 | 8.17 U        | 6.93 U        | 7.41 U        | 8.69 U        | 6.40 U        | 8.28 U        | 7.06 U        | 6.78 U        | 6.36 U        | 9.66 U        |
| Total Metals (mg/kg)                 |                    |               |               |               |               |               |               |               |               |               |               |
| Arsenic                              | 20                 | 7.32          | 2.72 U        | 2.41 U        | 2.70 U        | 2.49 U        | 2.78 U        | 2.24 U        | 2.40 U        | 2.27 U        | 2.84 U        |
| Cadmium                              | 2                  | <b>5.75</b>   | 0.707         | 0.385         | 0.135 U       | 0.125 U       | 0.139 U       | 0.112 U       | 0.120 U       | 0.147         | 0.653         |
| Lead                                 | 250                | <b>1950</b>   | 103           | 103           | 2.70 U        | 2.49 U        | 2.78 U        | 11.1          | 2.40 U        | 26.0          | 4.27          |
| Mercury                              | 2                  | 0.477 J       | 1.24          | 0.945         | 0.139         | 0.126         | 0.224         | 0.161         | 0.0855        | 0.105         | 0.145         |
| Volatile Organic Compounds (mg/kg)   |                    |               |               |               |               |               |               |               |               |               |               |
| Benzene                              | 0.03               | <b>0.033</b>  | 0.014 U       | 0.015 U       | 0.017 U       | 0.013 U       | 0.017 U       | 0.014 U       | 0.014 U       | 0.029         | 0.019 U       |
| Total Xylenes                        | 9                  | 0.98 U        | 0.83 U        | 0.89 U        | 1.0 U         | 0.77 U        | 0.99 U        | 0.85 U        | 0.81 U        | 0.76 U        | 1.2 U         |
| PAHs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |               |
| Benz(a)anthracene                    | NV                 | 0.0903        | 0.00906 U     | 0.00899 U     | 0.00974 U     | 0.00898 U     | 0.00928 U     | 0.00896 U     | 0.00895 U     | 0.00816 U     | 0.00984 U     |
| Benzo(a)pyrene                       | NV                 | 0.143         | 0.00906 U     | 0.0126        | 0.00974 U     | 0.00898 U     | 0.00928 U     | 0.0188        | 0.00895 U     | 0.00816 U     | 0.00984 U     |
| Benzo(b)fluoranthene                 | NV                 | 0.223         | 0.0136        | 0.0171        | 0.00974 U     | 0.00898 U     | 0.00928 U     | 0.0161        | 0.00895 U     | 0.00816 U     | 0.00984 U     |
| Benzo(k)fluoranthene                 | NV                 | 0.0819        | 0.00906 U     | 0.00899 U     | 0.00974 U     | 0.00898 U     | 0.00928 U     | 0.00896 U     | 0.00895 U     | 0.00816 U     | 0.00984 U     |
| Chrysene                             | NV                 | 0.130         | 0.0136        | 0.0171        | 0.00974 U     | 0.00898 U     | 0.00928 U     | 0.00986       | 0.00895 U     | 0.00816 U     | 0.00984 U     |
| Dibenz(a,h)anthracene                | NV                 | 0.0493        | 0.00906 U     | 0.00899 U     | 0.00974 U     | 0.00898 U     | 0.00928 U     | 0.00896 U     | 0.00895 U     | 0.00816 U     | 0.00984 U     |
| Indeno(1,2,3-cd)pyrene               | NV                 | 0.107         | 0.00906 U     | 0.0135        | 0.00974 U     | 0.00898 U     | 0.00928 U     | 0.0152        | 0.00895 U     | 0.00816 U     | 0.00984 U     |
| cPAH TEQ                             | 0.1                | <b>0.199</b>  | 0.00784       | 0.0172        | ND            | ND            | ND            | 0.0234        | ND            | ND            | ND            |
| PCBs (mg/kg)                         |                    |               |               |               |               |               |               |               |               |               |               |
| Aroclor 1016                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Aroclor 1221                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Aroclor 1232                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Aroclor 1242                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Aroclor 1248                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Aroclor 1254                         | NV                 | 0.0983        | 0.0115        | 0.00935       | 0.00282       | 0.000448 U    | 0.00538       | 0.000448 U    | 0.000447 U    | 0.00400       | 0.000491 U    |
| Aroclor 1260                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Aroclor 1262                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Aroclor 1268                         | NV                 | 0.000465 U    | 0.000453 U    | 0.000449 U    | 0.000486 U    | 0.000448 U    | 0.000464 U    | 0.000448 U    | 0.000447 U    | 0.000407 U    | 0.000491 U    |
| Total Aroclor                        | 1                  | 0.0983        | 0.0115        | 0.00935       | 0.00282       | 0.000448 U    | 0.00538       | 0.000448 U    | 0.000447 U    | 0.00400       | 0.000491 U    |

Table 1  
Confirmation Sample Summary  
City of Kelso  
Kelso, Washington

| Analyte                              | Remediation Levels | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result  | Sample Result | Sample Result  | Sample Result  | Sample Result  |
|--------------------------------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|----------------|----------------|
| Excavation:                          |                    | CS6           |               |               |               |                |               |                |                |                |
| Sample Location:                     |                    | CS6-S-2.5-F4  | CS6-S-2.5-F5  | CS6-S-1.25-W8 | CS6-S-1.25-W9 | CS6-S-1.25-W10 | CS6-S-2.5-F6  | CS6-S-1.25-W11 | CS6-S-1.25-W12 | CS6-S-1.25-W13 |
| Depth (ft bgs)                       |                    | 2.5           | 2.5           | 1.25          | 1.25          | 1.25           | 2.5           | 1.25           | 1.25           | 1.25           |
| Sample Date:                         |                    | 10/02/2013    | 10/02/2013    | 10/10/2013    | 10/10/2013    | 10/10/2013     | 10/10/2013    | 10/16/2013     | 10/21/2013     | 10/21/2013     |
| Total Petroleum Hydrocarbons (mg/kg) |                    |               |               |               |               |                |               |                |                |                |
| Diesel                               | NV                 | 17.6 U        | 20.2 U        | 22.4 U        | 21.2 U        | 21.5 U         | 22.3 U        | 21.2 U         | 21.1 U         | 20.8 U         |
| Lube Oil                             | NV                 | 58.6 U        | 67.3 U        | 74.7 U        | 70.5 U        | 132.0          | 74.4 U        | 70.7 U         | 70.3 U         | 81.1           |
| Total Heavy Oil                      | 2000               | 58.6 U        | 67.3 U        | 74.7 U        | 70.5 U        | 132.0          | 74.4 U        | 70.7 U         | 70.3 U         | 81.1           |
| Gasoline                             | 30                 | 5.22 U        | 6.86 U        | 8.44 U        | 21.60 U       | 9.23 U         | 8.33 U        | 8.13 U         | 10.3 U         | 6.79 U         |
| Total Metals (mg/kg)                 |                    |               |               |               |               |                |               |                |                |                |
| Arsenic                              | 20                 | 2.25 U        | 2.59 U        | 14.4 U        | 12.6 U        | 13.8 U         | 13.3 U        | 9.82 U         | 13.5 U         | 13.8 U         |
| Cadmium                              | 2                  | 0.315         | 0.129 U       | 1.44 U        | 1.26 U        | 1.38 U         | 1.33 U        | <b>7.14</b>    | 1.35 U         | 1.38 U         |
| Lead                                 | 250                | 2.25 U        | 2.59 U        | 7.18 U        | 16.4          | 16.5           | 57            | 34.6           | <b>336</b>     | <b>328</b>     |
| Mercury                              | 2                  | 0.190         | 0.0874        | 0.0248        | 0.0458        | 0.0307         | 0.0451        | 0.0416         | 0.328          | 0.458          |
| Volatile Organic Compounds (mg/kg)   |                    |               |               |               |               |                |               |                |                |                |
| Benzene                              | 0.03               | 0.010 U       | 0.014 U       | <b>0.083</b>  | 0.043* U      | 0.020          | 0.025         | 0.016 U        | 0.021 U        | 0.014 U        |
| Total Xylenes                        | 9                  | 0.63 U        | 0.82 U        | 1.0 U         | 2.6 U         | 1.1 U          | 1.0 U         | 0.97 U         | 1.2 U          | 0.81 U         |
| PAHs (mg/kg)                         |                    |               |               |               |               |                |               |                |                |                |
| Benz(a)anthracene                    | NV                 | 0.00781 U     | 0.00898 U     | 0.00996 U     | 0.00940 U     | 0.00954 U      | 0.00992 U     | 0.00943 U      | 0.00938 U      | 0.00924 U      |
| Benzo(a)pyrene                       | NV                 | 0.00781 U     | 0.00898 U     | 0.00996 U     | 0.00940 U     | 0.00954 U      | 0.00992 U     | 0.00943 U      | 0.00938 U      | 0.00924 U      |
| Benzo(b)fluoranthene                 | NV                 | 0.00781 U     | 0.00898 U     | 0.00996 U     | 0.00940 U     | 0.00954 U      | 0.00992 U     | 0.00943 U      | 0.00938 U      | 0.0166         |
| Benzo(k)fluoranthene                 | NV                 | 0.00781 U     | 0.00898 U     | 0.00996 U     | 0.00940 U     | 0.00954 U      | 0.00992 U     | 0.00943 U      | 0.00938 U      | 0.00924 U      |
| Chrysene                             | NV                 | 0.00781 U     | 0.00898 U     | 0.00996 U     | 0.00940 U     | 0.00954 U      | 0.00992 U     | 0.00943 U      | 0.00938 U      | 0.0175         |
| Dibenz(a,h)anthracene                | NV                 | 0.00781 U     | 0.00898 U     | 0.00996 U     | 0.00940 U     | 0.00954 U      | 0.00992 U     | 0.00943 U      | 0.00938 U      | 0.00924 U      |
| Indeno(1,2,3-cd)pyrene               | NV                 | 0.00781 U     | 0.00898 U     | 0.00996 U     | 0.00940 U     | 0.00954 U      | 0.00992 U     | 0.00943 U      | 0.00938 U      | 0.00924 U      |
| cPAH TEQ                             | 0.1                | ND            | ND            | ND            | ND            | ND             | ND            | ND             | ND             | 0.00830        |
| PCBs (mg/kg)                         |                    |               |               |               |               |                |               |                |                |                |
| Aroclor 1016                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Aroclor 1221                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Aroclor 1232                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Aroclor 1242                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Aroclor 1248                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Aroclor 1254                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Aroclor 1260                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.0168         |
| Aroclor 1262                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Aroclor 1268                         | NV                 | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.000461 U     |
| Total Aroclor                        | 1                  | 0.00039 U     | 0.000448 U    | 0.000497 U    | 0.000470 U    | 0.000476 U     | 0.000495 U    | 0.000471 U     | 0.000468 U     | 0.0168         |

NOTES:

A review of the benzene result indicates that the sample is non-detect at both the reporting limit of 0.043 mg/kg and the method detection limit of 0.008 mg/kg.

Soil cleanup level **exceedances in bold when detected**. U-flagged exceedances are not bolded.

cPAH = carcinogenic polycyclic aromatic hydrocarbon.

ft bgs = feet below ground surface.

J = estimate.

mg/kg = milligrams per kilogram (parts per million).

ND = not detected.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

PCB = polychlorinated biphenyl.

TEQ = toxicity equivalence.

U = Analyte was not detected at or above method reporting limit.

Table 2  
 TCLP Sample Results  
 City of Kelso  
 Kelso, Washington

| Analyte            | RCRA TCLP Limit | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result |
|--------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Sample Location:   |                 | SP1-S-1       | SP1-S-2       | SP1-S-3       | SP1-S-4       | SP2-S-1       | SP2-S-2       | SP2-S-3       | SP2-S-4       | SP2-S-5       | SP2-S-6       | SP2-S-7       |
| Sample Date:       |                 | 09/30/2013    | 09/30/2013    | 09/30/2013    | 09/30/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    |
| TCLP Metals (mg/L) |                 |               |               |               |               |               |               |               |               |               |               |               |
| Lead               | 5               | 0.1 U         | 0.139         | 0.1 U         | 0.1 U         | 0.6845        | 1.192         | 1.071         | <b>10.89</b>  | 2.681         | <b>5.91</b>   | 1.149         |

Table 2  
 TCLP Sample Results  
 City of Kelso  
 Kelso, Washington

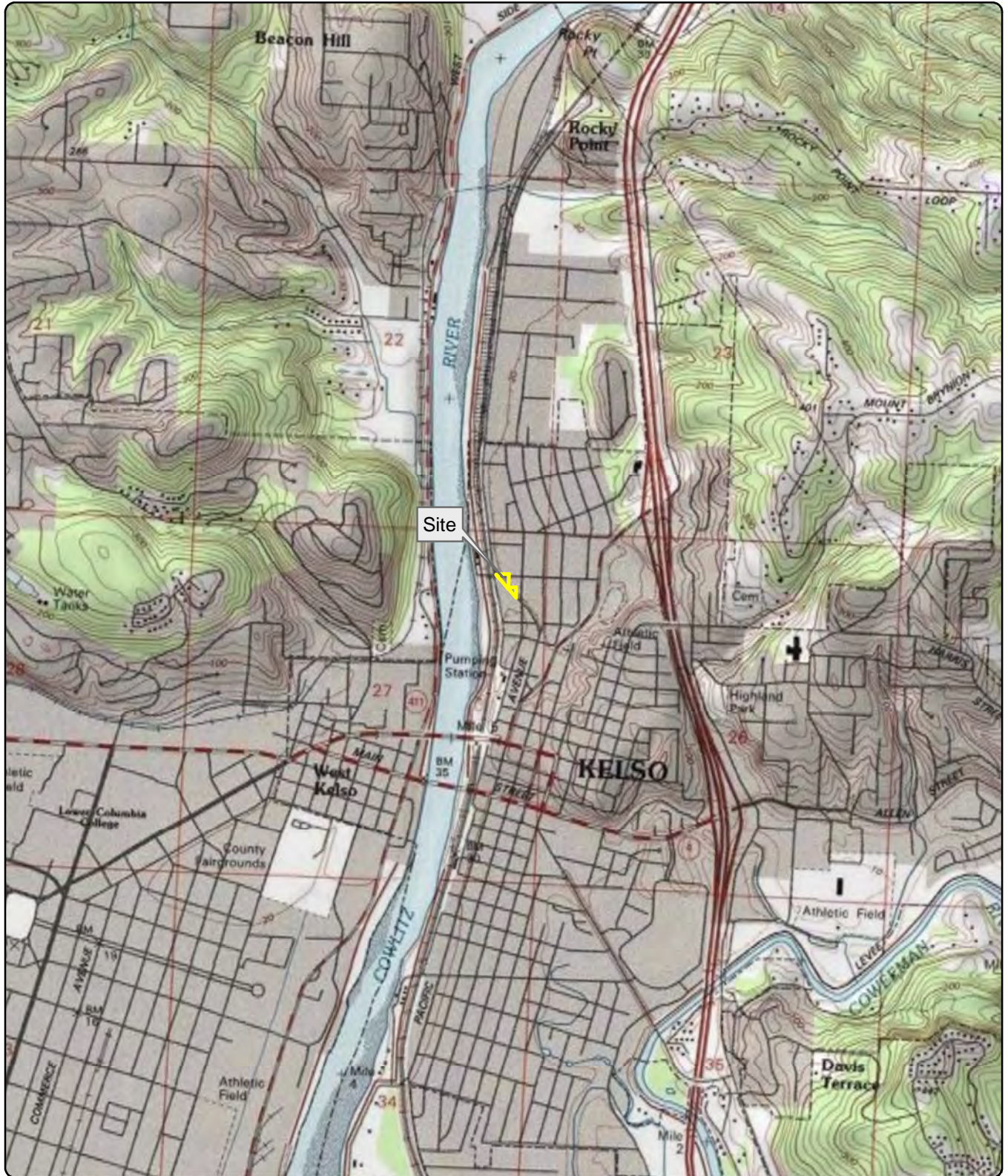
| Analyte            | RCRA TCLP Limit  | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result | Sample Result |
|--------------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                    | Sample Location: | SP2-S-8       | SP2-S-9       | SP2-S-10      | SP2-S-11      | SP2-S-12      | SP2-S-13      | SP2-S-14      | SP2-S-15      | SP3-S-1       | SP4-S-1       | SP5-S-1       |
|                    | Sample Date:     | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/02/2013    | 10/07/2013    | 10/07/2013    |               |
| TCLP Metals (mg/L) |                  |               |               |               |               |               |               |               |               |               |               |               |
| Lead               | 5                | 2.037         | 2.075         | 3.041         | 1.41          | 1.145         | 2.264         | <b>8.32</b>   | 0.676         | 0.394         | 0.0479        | 0.2840        |



NOTES:  
RCRA TCLP limit exceedances in **bold**.  
mg/L = milligrams per liter (parts per million).  
RCRA = Resource Conservation and Recovery Act.  
TCLP = toxicity characteristic leaching procedure.  
U = Analyte was not detected at or above method reporting limit.

# FIGURES





Site Address: 1124 North Pacific Avenue, Kelso, Washington  
 Source: US Geological Survey (1990) 7.5-minute topographic quadrangle: Kelso  
 Section 27, Township 8N, Range 2W

**Figure 1**  
**Site Location**

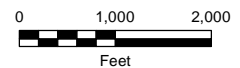
Terry's Auto Salvage  
 Kelso, Washington

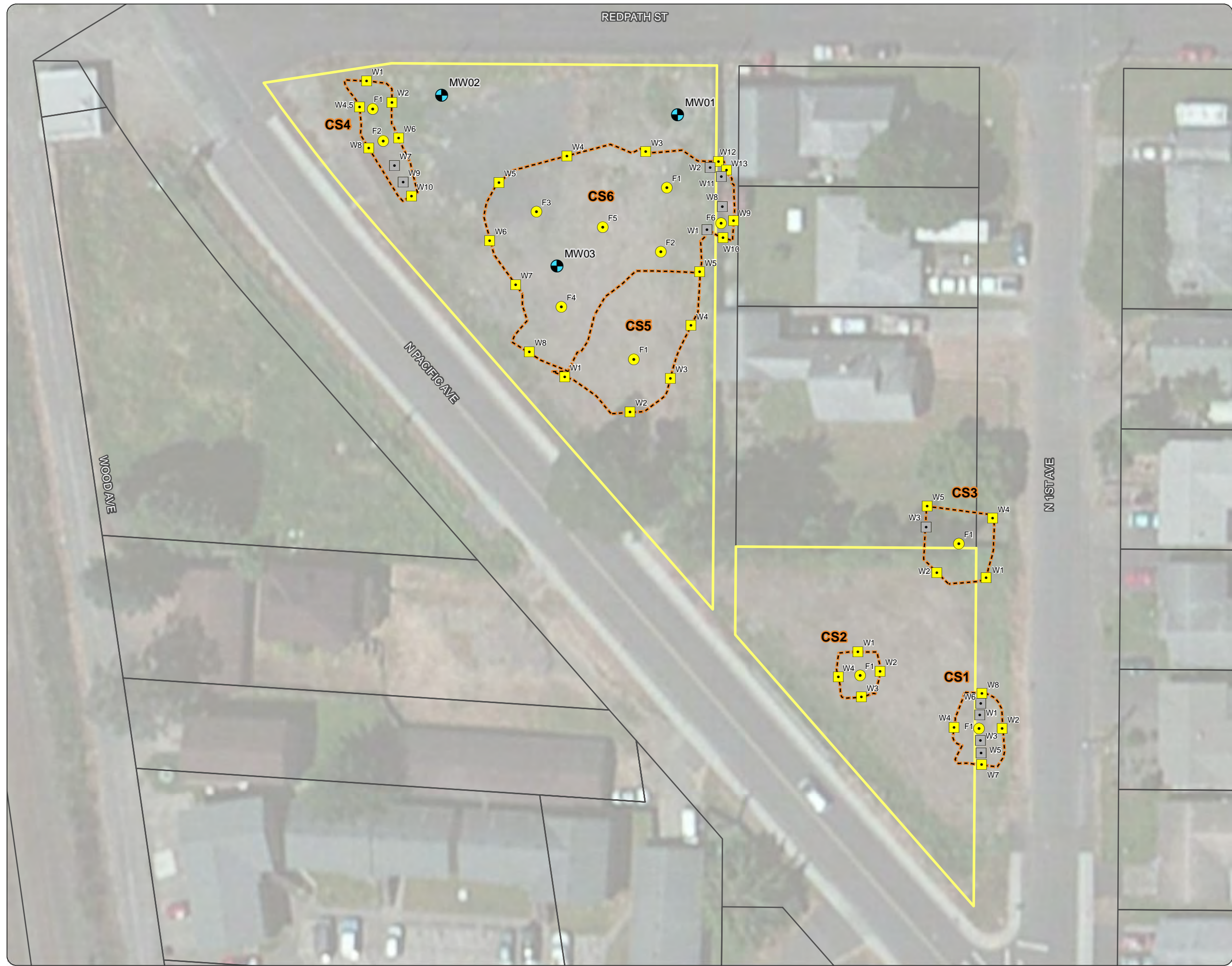
**Legend**

 Site

 MAUL FOSTER LONGI  
 p. 360 594 6262 | www.maulfoster.com

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**Figure 2**  
**Excavations and**  
**Confirmation Sample**  
**Locations**  
 Terry's Auto Salvage  
 Kelso, Washington

- Legend**
- Confirmation Sample Location (Approximate)**
- Bottom Sample Location
  - Sidewall Sample Location
  - Sidewall Sample exceeded CUL and removed
  - Monitoring Well
  - Excavation Extent
  - Site Parcels
  - Tax Parcels

Site Address: 1124 N. Pacific Avenue  
 Kelso, Washington 98626



Source: Aerial photograph obtained from ESRI, Inc. ArcGIS Online.



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# APPENDIX A

## PHOTOGRAPHS





## PHOTOGRAPHS

Project Name: City of Kelso IPG  
Project Number: 0443.02.04  
Location: 1124 North Pacific Avenue  
Kelso, WA

### Photo No.

1

### Description

Looking south along N.  
Pacific Ave.—  
surface scraping of  
southeast parcel



### Photo No.

2

### Description

Looking north—  
surface scraping of  
northwest parcel





## PHOTOGRAPHS

Project Name: City of Kelso IPG  
Project Number: 0443.02.04  
Location: 1124 North Pacific Avenue  
Kelso, WA

**Photo No.**

3

**Description**

Looking northeast—  
stockpiling of excavated  
material in northwest  
parcel



**Photo No.**

4

**Description**

Looking west—  
excavation in northwest  
parcel





## PHOTOGRAPHS

Project Name: City of Kelso IPG  
Project Number: 0443.02.04  
Location: 1124 North Pacific Avenue  
Kelso, WA

**Photo No.**

5

**Description**

Looking east at Redpath  
St.—  
loading of clean  
stockpiled material



**Photo No.**

6

**Description**

Looking north—  
off-property excavation  
near residential building







## PHOTOGRAPHS

Project Name: City of Kelso IPG  
Project Number: 0443.02.04  
Location: 1124 North Pacific Avenue  
Kelso, WA

**Photo No.**

7

**Description**

Looking southeast—  
removal of wooden fence  
in northwest parcel



**Photo No.**

8

**Description**

Looking south along N.  
Pacific Ave.—  
backfilling of excavation  
in northwest parcel





## PHOTOGRAPHS

Project Name: City of Kelso IPG  
Project Number: 0443.02.04  
Location: 1124 North Pacific Avenue  
Kelso, WA

**Photo No.**

9

**Description**

Looking south—  
northwest parcel final  
conditions



**Photo No.**

10

**Description**

Looking north—  
southeast parcel final  
conditions





## PHOTOGRAPHS

Project Name: City of Kelso IPG  
Project Number: 0443.02.04  
Location: 1124 North Pacific Avenue  
Kelso, WA

**Photo No.**

11

**Description**

Looking south—  
Drainage swale installed  
to divert runoff from  
neighboring property



# APPENDIX B

LABORATORY REPORTS AND DATA VALIDATION  
MEMORANDUM





# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

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October 04, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.02

Dear Mike Stringer:

Order No.: 1310001

Specialty Analytical received 19 sample(s) on 10/1/2013 for the analyses presented in the following report.

REVISED REPORT: Please see case narrative for information on revision.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is fluid and cursive, with a prominent loop at the end.

Marty French  
Lab Director

## Case Narrative

WO#: 1310001

Date: 10/4/2013

### Specialty Analytical

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**CLIENT:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

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Report Revision 1

This report includes the original data with the correction of the Benzene reporting limit.

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-001  
**Client Sample ID:** CS1-S-1.0-W1

**Collection Date:** 9/30/2013 1:15:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 21.1            |      | mg/Kg-dry           | 1  | 10/1/2013 5:00:00 PM  |
| Lube Oil                             | ND     | 70.5            |      | mg/Kg-dry           | 1  | 10/1/2013 5:00:00 PM  |
| Surr: o-Terphenyl                    | 104    | 50-150          |      | %REC                | 1  | 10/1/2013 5:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.015           |      | mg/Kg-dry           | 1  | 10/1/2013 9:34:00 AM  |
| Xylenes, Total                       | ND     | 0.91            |      | mg/Kg-dry           | 1  | 10/1/2013 9:34:00 AM  |
| Surr: 4-Bromofluorobenzene           | 52.0   | 42.6-126        |      | %REC                | 1  | 10/1/2013 9:34:00 AM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 7.61            |      | mg/Kg-dry           | 1  | 10/1/2013 9:00:00 AM  |
| Surr: 4-Bromofluorobenzene           | 56.7   | 50-150          |      | %REC                | 1  | 10/1/2013 9:00:00 AM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.71            |      | mg/Kg-dry           | 1  | 10/1/2013 4:46:48 PM  |
| Cadmium                              | ND     | 0.136           |      | mg/Kg-dry           | 1  | 10/1/2013 4:46:48 PM  |
| Lead                                 | ND     | 2.71            |      | mg/Kg-dry           | 1  | 10/1/2013 4:46:48 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.0313 | 0.0226          |      | mg/Kg-dry           | 1  | 10/2/2013 10:08:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.40            |      | µg/Kg-dry           | 1  | 10/1/2013 7:32:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.40            |      | µg/Kg-dry           | 1  | 10/1/2013 7:32:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.40            |      | µg/Kg-dry           | 1  | 10/1/2013 7:32:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.40            |      | µg/Kg-dry           | 1  | 10/1/2013 7:32:00 PM  |
| Chrysene                             | ND     | 9.40            |      | µg/Kg-dry           | 1  | 10/1/2013 7:32:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.40            |      | µg/Kg-dry           | 1  | 10/1/2013 7:32:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.40            |      | µg/Kg-dry           | 1  | 10/1/2013 7:32:00 PM  |
| Surr: 2-Fluorobiphenyl               | 52.8   | 42.6-128        |      | %REC                | 1  | 10/1/2013 7:32:00 PM  |
| Surr: Nitrobenzene-d5                | 50.4   | 21.7-155        |      | %REC                | 1  | 10/1/2013 7:32:00 PM  |
| Surr: p-Terphenyl-d14                | 36.8   | 44.9-155        | SMI  | %REC                | 1  | 10/1/2013 7:32:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.469           |      | µg/Kg-dry           | 1  | 10/1/2013 4:30:00 PM  |
| Aroclor 1221                         | ND     | 0.469           |      | µg/Kg-dry           | 1  | 10/1/2013 4:30:00 PM  |
| Aroclor 1232                         | ND     | 0.469           |      | µg/Kg-dry           | 1  | 10/1/2013 4:30:00 PM  |
| Aroclor 1242                         | ND     | 0.469           |      | µg/Kg-dry           | 1  | 10/1/2013 4:30:00 PM  |
| Aroclor 1248                         | ND     | 0.469           |      | µg/Kg-dry           | 1  | 10/1/2013 4:30:00 PM  |
| Aroclor 1254                         | ND     | 0.469           |      | µg/Kg-dry           | 1  | 10/1/2013 4:30:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 1:15:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-001

Client Sample ID: CS1-S-1.0-W1

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/1/2013 4:30:00 PM |
| Aroclor 1262             | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/1/2013 4:30:00 PM |
| Aroclor 1268             | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/1/2013 4:30:00 PM |
| Surr: Decachlorobiphenyl | 60.1   | 56.5-130        |      | %REC      | 1  | 10/1/2013 4:30:00 PM |



# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-002  
**Client Sample ID:** CS1-S-1.0-W2

**Collection Date:** 9/30/2013 1:30:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 20.9            |      | mg/Kg-dry           | 1  | 10/1/2013 5:20:00 PM  |
| Lube Oil                             | ND     | 69.7            |      | mg/Kg-dry           | 1  | 10/1/2013 5:20:00 PM  |
| Surr: o-Terphenyl                    | 103    | 50-150          |      | %REC                | 1  | 10/1/2013 5:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.019           |      | mg/Kg-dry           | 1  | 10/1/2013 10:04:00 AM |
| Xylenes, Total                       | ND     | 1.1             |      | mg/Kg-dry           | 1  | 10/1/2013 10:04:00 AM |
| Surr: 4-Bromofluorobenzene           | 63.0   | 42.6-126        |      | %REC                | 1  | 10/1/2013 10:04:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 9.48            |      | mg/Kg-dry           | 1  | 10/1/2013 9:30:00 AM  |
| Surr: 4-Bromofluorobenzene           | 66.3   | 50-150          |      | %REC                | 1  | 10/1/2013 9:30:00 AM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.18            |      | mg/Kg-dry           | 1  | 10/1/2013 5:06:44 PM  |
| Cadmium                              | ND     | 0.109           |      | mg/Kg-dry           | 1  | 10/1/2013 5:06:44 PM  |
| Lead                                 | ND     | 2.18            |      | mg/Kg-dry           | 1  | 10/1/2013 5:06:44 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.0264 | 0.0224          |      | mg/Kg-dry           | 1  | 10/2/2013 10:14:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.30            |      | µg/Kg-dry           | 1  | 10/1/2013 2:16:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.30            |      | µg/Kg-dry           | 1  | 10/1/2013 2:16:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.30            |      | µg/Kg-dry           | 1  | 10/1/2013 2:16:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.30            |      | µg/Kg-dry           | 1  | 10/1/2013 2:16:00 PM  |
| Chrysene                             | ND     | 9.30            |      | µg/Kg-dry           | 1  | 10/1/2013 2:16:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.30            |      | µg/Kg-dry           | 1  | 10/1/2013 2:16:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.30            |      | µg/Kg-dry           | 1  | 10/1/2013 2:16:00 PM  |
| Surr: 2-Fluorobiphenyl               | 55.7   | 42.6-128        |      | %REC                | 1  | 10/1/2013 2:16:00 PM  |
| Surr: Nitrobenzene-d5                | 53.0   | 21.7-155        |      | %REC                | 1  | 10/1/2013 2:16:00 PM  |
| Surr: p-Terphenyl-d14                | 38.4   | 44.9-155        | SMI  | %REC                | 1  | 10/1/2013 2:16:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.464           |      | µg/Kg-dry           | 1  | 10/1/2013 4:48:00 PM  |
| Aroclor 1221                         | ND     | 0.464           |      | µg/Kg-dry           | 1  | 10/1/2013 4:48:00 PM  |
| Aroclor 1232                         | ND     | 0.464           |      | µg/Kg-dry           | 1  | 10/1/2013 4:48:00 PM  |
| Aroclor 1242                         | ND     | 0.464           |      | µg/Kg-dry           | 1  | 10/1/2013 4:48:00 PM  |
| Aroclor 1248                         | ND     | 0.464           |      | µg/Kg-dry           | 1  | 10/1/2013 4:48:00 PM  |
| Aroclor 1254                         | ND     | 0.464           |      | µg/Kg-dry           | 1  | 10/1/2013 4:48:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-002  
**Client Sample ID:** CS1-S-1.0-W2

**Collection Date:** 9/30/2013 1:30:00 PM

**Matrix:** SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/1/2013 4:48:00 PM |
| Aroclor 1262             | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/1/2013 4:48:00 PM |
| Aroclor 1268             | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/1/2013 4:48:00 PM |
| Surr: Decachlorobiphenyl | 59.1   | 56.5-130        |      | %REC      | 1  | 10/1/2013 4:48:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-003  
**Client Sample ID:** CS1-S-1.0-W3

**Collection Date:** 9/30/2013 1:45:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 21.7            |      | mg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |
| Lube Oil                             | ND     | 72.5            |      | mg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |
| Surr: o-Terphenyl                    | 107    | 50-150          |      | %REC                | 1  | 10/1/2013 6:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.014           |      | mg/Kg-dry           | 1  | 10/1/2013 10:34:00 AM |
| Xylenes, Total                       | ND     | 0.84            |      | mg/Kg-dry           | 1  | 10/1/2013 10:34:00 AM |
| Surr: 4-Bromofluorobenzene           | 50.5   | 42.6-126        |      | %REC                | 1  | 10/1/2013 10:34:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 6.96            |      | mg/Kg-dry           | 1  | 10/1/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 54.3   | 50-150          |      | %REC                | 1  | 10/1/2013 10:00:00 AM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | 3.00   | 2.79            |      | mg/Kg-dry           | 1  | 10/1/2013 5:11:45 PM  |
| Cadmium                              | ND     | 0.139           |      | mg/Kg-dry           | 1  | 10/1/2013 5:11:45 PM  |
| Lead                                 | ND     | 2.79            |      | mg/Kg-dry           | 1  | 10/1/2013 5:11:45 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.0477 | 0.0242          |      | mg/Kg-dry           | 1  | 10/2/2013 10:17:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.67            |      | µg/Kg-dry           | 1  | 10/1/2013 8:01:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.67            |      | µg/Kg-dry           | 1  | 10/1/2013 8:01:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.67            |      | µg/Kg-dry           | 1  | 10/1/2013 8:01:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.67            |      | µg/Kg-dry           | 1  | 10/1/2013 8:01:00 PM  |
| Chrysene                             | ND     | 9.67            |      | µg/Kg-dry           | 1  | 10/1/2013 8:01:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.67            |      | µg/Kg-dry           | 1  | 10/1/2013 8:01:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.67            |      | µg/Kg-dry           | 1  | 10/1/2013 8:01:00 PM  |
| Surr: 2-Fluorobiphenyl               | 42.7   | 42.6-128        |      | %REC                | 1  | 10/1/2013 8:01:00 PM  |
| Surr: Nitrobenzene-d5                | 45.4   | 21.7-155        |      | %REC                | 1  | 10/1/2013 8:01:00 PM  |
| Surr: p-Terphenyl-d14                | 30.5   | 44.9-155        | SMI  | %REC                | 1  | 10/1/2013 8:01:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.483           |      | µg/Kg-dry           | 1  | 10/1/2013 5:06:00 PM  |
| Aroclor 1221                         | ND     | 0.483           |      | µg/Kg-dry           | 1  | 10/1/2013 5:06:00 PM  |
| Aroclor 1232                         | ND     | 0.483           |      | µg/Kg-dry           | 1  | 10/1/2013 5:06:00 PM  |
| Aroclor 1242                         | ND     | 0.483           |      | µg/Kg-dry           | 1  | 10/1/2013 5:06:00 PM  |
| Aroclor 1248                         | ND     | 0.483           |      | µg/Kg-dry           | 1  | 10/1/2013 5:06:00 PM  |
| Aroclor 1254                         | ND     | 0.483           |      | µg/Kg-dry           | 1  | 10/1/2013 5:06:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 1:45:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-003

Client Sample ID: CS1-S-1.0-W3

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.483           |      | µg/Kg-dry | 1  | 10/1/2013 5:06:00 PM |
| Aroclor 1262             | ND     | 0.483           |      | µg/Kg-dry | 1  | 10/1/2013 5:06:00 PM |
| Aroclor 1268             | ND     | 0.483           |      | µg/Kg-dry | 1  | 10/1/2013 5:06:00 PM |
| Surr: Decachlorobiphenyl | 57.5   | 56.5-130        |      | %REC      | 1  | 10/1/2013 5:06:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-004  
**Client Sample ID:** CS1-S-1.0-W4

**Collection Date:** 9/30/2013 1:50:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 60.2   | 21.0            | K    | mg/Kg-dry | 1  | 10/1/2013 6:20:00 PM  |
| Lube Oil                             | 151    | 69.8            |      | mg/Kg-dry | 1  | 10/1/2013 6:20:00 PM  |
| Surr: o-Terphenyl                    | 103    | 50-150          |      | %REC      | 1  | 10/1/2013 6:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.016           |      | mg/Kg-dry | 1  | 10/1/2013 11:04:00 AM |
| Xylenes, Total                       | ND     | 0.93            |      | mg/Kg-dry | 1  | 10/1/2013 11:04:00 AM |
| Surr: 4-Bromofluorobenzene           | 55.4   | 42.6-126        |      | %REC      | 1  | 10/1/2013 11:04:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 7.75            |      | mg/Kg-dry | 1  | 10/1/2013 10:30:00 AM |
| Surr: 4-Bromofluorobenzene           | 55.6   | 50-150          |      | %REC      | 1  | 10/1/2013 10:30:00 AM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | ND     | 2.41            |      | mg/Kg-dry | 1  | 10/1/2013 5:16:45 PM  |
| Cadmium                              | 0.181  | 0.120           |      | mg/Kg-dry | 1  | 10/1/2013 5:16:45 PM  |
| Lead                                 | 14.1   | 2.41            |      | mg/Kg-dry | 1  | 10/1/2013 5:16:45 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0349 | 0.0233          |      | mg/Kg-dry | 1  | 10/2/2013 10:20:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 9.32            |      | µg/Kg-dry | 1  | 10/1/2013 8:29:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.32            |      | µg/Kg-dry | 1  | 10/1/2013 8:29:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.32            |      | µg/Kg-dry | 1  | 10/1/2013 8:29:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.32            |      | µg/Kg-dry | 1  | 10/1/2013 8:29:00 PM  |
| Chrysene                             | ND     | 9.32            |      | µg/Kg-dry | 1  | 10/1/2013 8:29:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.32            |      | µg/Kg-dry | 1  | 10/1/2013 8:29:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.32            |      | µg/Kg-dry | 1  | 10/1/2013 8:29:00 PM  |
| Surr: 2-Fluorobiphenyl               | 45.9   | 42.6-128        |      | %REC      | 1  | 10/1/2013 8:29:00 PM  |
| Surr: Nitrobenzene-d5                | 45.7   | 21.7-155        |      | %REC      | 1  | 10/1/2013 8:29:00 PM  |
| Surr: p-Terphenyl-d14                | 36.9   | 44.9-155        | SMI  | %REC      | 1  | 10/1/2013 8:29:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM  |
| Aroclor 1221                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM  |
| Aroclor 1232                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM  |
| Aroclor 1242                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM  |
| Aroclor 1248                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM  |
| Aroclor 1254                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 1:50:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-004

Client Sample ID: CS1-S-1.0-W4

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: JRC         |
| Aroclor 1260             | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM |
| Aroclor 1262             | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM |
| Aroclor 1268             | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/1/2013 5:24:00 PM |
| Surr: Decachlorobiphenyl | 52.5   | 56.5-130        | SMI  | %REC      | 1  | 10/1/2013 5:24:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-005  
**Client Sample ID:** CS1-S-2.0-F1

**Collection Date:** 9/30/2013 2:00:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 21.7            |      | mg/Kg-dry           | 1  | 10/1/2013 7:00:00 PM  |
| Lube Oil                             | ND     | 72.3            |      | mg/Kg-dry           | 1  | 10/1/2013 7:00:00 PM  |
| Surr: o-Terphenyl                    | 83.7   | 50-150          |      | %REC                | 1  | 10/1/2013 7:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.012           |      | mg/Kg-dry           | 1  | 10/1/2013 11:34:00 AM |
| Xylenes, Total                       | ND     | 0.74            |      | mg/Kg-dry           | 1  | 10/1/2013 11:34:00 AM |
| Surr: 4-Bromofluorobenzene           | 50.4   | 42.6-126        |      | %REC                | 1  | 10/1/2013 11:34:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 6.14            |      | mg/Kg-dry           | 1  | 10/1/2013 11:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 54.7   | 50-150          |      | %REC                | 1  | 10/1/2013 11:00:00 AM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.68            |      | mg/Kg-dry           | 1  | 10/1/2013 5:21:46 PM  |
| Cadmium                              | ND     | 0.134           |      | mg/Kg-dry           | 1  | 10/1/2013 5:21:46 PM  |
| Lead                                 | ND     | 2.68            |      | mg/Kg-dry           | 1  | 10/1/2013 5:21:46 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.0509 | 0.0232          |      | mg/Kg-dry           | 1  | 10/2/2013 10:23:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.64            |      | µg/Kg-dry           | 1  | 10/1/2013 8:57:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.64            |      | µg/Kg-dry           | 1  | 10/1/2013 8:57:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.64            |      | µg/Kg-dry           | 1  | 10/1/2013 8:57:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.64            |      | µg/Kg-dry           | 1  | 10/1/2013 8:57:00 PM  |
| Chrysene                             | ND     | 9.64            |      | µg/Kg-dry           | 1  | 10/1/2013 8:57:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.64            |      | µg/Kg-dry           | 1  | 10/1/2013 8:57:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.64            |      | µg/Kg-dry           | 1  | 10/1/2013 8:57:00 PM  |
| Surr: 2-Fluorobiphenyl               | 43.9   | 42.6-128        |      | %REC                | 1  | 10/1/2013 8:57:00 PM  |
| Surr: Nitrobenzene-d5                | 40.8   | 21.7-155        |      | %REC                | 1  | 10/1/2013 8:57:00 PM  |
| Surr: p-Terphenyl-d14                | 31.2   | 44.9-155        | SMI  | %REC                | 1  | 10/1/2013 8:57:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.481           |      | µg/Kg-dry           | 1  | 10/1/2013 5:42:00 PM  |
| Aroclor 1221                         | ND     | 0.481           |      | µg/Kg-dry           | 1  | 10/1/2013 5:42:00 PM  |
| Aroclor 1232                         | ND     | 0.481           |      | µg/Kg-dry           | 1  | 10/1/2013 5:42:00 PM  |
| Aroclor 1242                         | ND     | 0.481           |      | µg/Kg-dry           | 1  | 10/1/2013 5:42:00 PM  |
| Aroclor 1248                         | ND     | 0.481           |      | µg/Kg-dry           | 1  | 10/1/2013 5:42:00 PM  |
| Aroclor 1254                         | ND     | 0.481           |      | µg/Kg-dry           | 1  | 10/1/2013 5:42:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-005  
**Client Sample ID:** CS1-S-2.0-F1

**Collection Date:** 9/30/2013 2:00:00 PM

**Matrix:** SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.481           |      | µg/Kg-dry | 1  | 10/1/2013 5:42:00 PM |
| Aroclor 1262             | ND     | 0.481           |      | µg/Kg-dry | 1  | 10/1/2013 5:42:00 PM |
| Aroclor 1268             | ND     | 0.481           |      | µg/Kg-dry | 1  | 10/1/2013 5:42:00 PM |
| Surr: Decachlorobiphenyl | 48.4   | 56.5-130        | SMI  | %REC      | 1  | 10/1/2013 5:42:00 PM |



# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-006  
**Client Sample ID:** CS2-S-1.5-W1

**Collection Date:** 9/30/2013 2:15:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | 26.4   | 21.8            | K    | mg/Kg-dry           | 1  | 10/1/2013 7:20:00 PM  |
| Lube Oil                             | 86.4   | 72.7            |      | mg/Kg-dry           | 1  | 10/1/2013 7:20:00 PM  |
| Surr: o-Terphenyl                    | 82.9   | 50-150          |      | %REC                | 1  | 10/1/2013 7:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | 0.078  | 0.032           |      | mg/Kg-dry           | 1  | 10/1/2013 12:04:00 PM |
| Xylenes, Total                       | ND     | 1.9             |      | mg/Kg-dry           | 1  | 10/1/2013 12:04:00 PM |
| Surr: 4-Bromofluorobenzene           | 50.9   | 42.6-126        |      | %REC                | 1  | 10/1/2013 12:04:00 PM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 16.2            |      | mg/Kg-dry           | 1  | 10/1/2013 12:00:00 PM |
| Surr: 4-Bromofluorobenzene           | 59.2   | 50-150          |      | %REC                | 1  | 10/1/2013 12:00:00 PM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | 9.80   | 2.91            |      | mg/Kg-dry           | 1  | 10/1/2013 5:42:16 PM  |
| Cadmium                              | 3.05   | 0.145           |      | mg/Kg-dry           | 1  | 10/1/2013 5:42:16 PM  |
| Lead                                 | 284    | 2.91            |      | mg/Kg-dry           | 1  | 10/2/2013 10:30:01 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 1.68   | 0.233           |      | mg/Kg-dry           | 10 | 10/2/2013 11:17:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.70            |      | µg/Kg-dry           | 1  | 10/1/2013 7:04:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.70            |      | µg/Kg-dry           | 1  | 10/1/2013 7:04:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.70            |      | µg/Kg-dry           | 1  | 10/1/2013 7:04:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.70            |      | µg/Kg-dry           | 1  | 10/1/2013 7:04:00 PM  |
| Chrysene                             | ND     | 9.70            |      | µg/Kg-dry           | 1  | 10/1/2013 7:04:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.70            |      | µg/Kg-dry           | 1  | 10/1/2013 7:04:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.70            |      | µg/Kg-dry           | 1  | 10/1/2013 7:04:00 PM  |
| Surr: 2-Fluorobiphenyl               | 57.6   | 42.6-128        |      | %REC                | 1  | 10/1/2013 7:04:00 PM  |
| Surr: Nitrobenzene-d5                | 57.8   | 21.7-155        |      | %REC                | 1  | 10/1/2013 7:04:00 PM  |
| Surr: p-Terphenyl-d14                | 39.2   | 44.9-155        | SMI  | %REC                | 1  | 10/1/2013 7:04:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.484           |      | µg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |
| Aroclor 1221                         | ND     | 0.484           |      | µg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |
| Aroclor 1232                         | ND     | 0.484           |      | µg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |
| Aroclor 1242                         | ND     | 0.484           |      | µg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |
| Aroclor 1248                         | ND     | 0.484           |      | µg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |
| Aroclor 1254                         | ND     | 0.484           |      | µg/Kg-dry           | 1  | 10/1/2013 6:00:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 2:15:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-006

Client Sample ID: CS2-S-1.5-W1

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: JRC         |
| Aroclor 1260             | ND     | 0.484           |      | µg/Kg-dry | 1  | 10/1/2013 6:00:00 PM |
| Aroclor 1262             | ND     | 0.484           |      | µg/Kg-dry | 1  | 10/1/2013 6:00:00 PM |
| Aroclor 1268             | ND     | 0.484           |      | µg/Kg-dry | 1  | 10/1/2013 6:00:00 PM |
| Surr: Decachlorobiphenyl | 76.0   | 56.5-130        |      | %REC      | 1  | 10/1/2013 6:00:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-007  
**Client Sample ID:** CS2-S-1.5-W2

**Collection Date:** 9/30/2013 2:30:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 31.2   | 20.1            | K    | mg/Kg-dry | 1  | 10/1/2013 7:40:00 PM  |
| Lube Oil                             | 112    | 66.9            | A2   | mg/Kg-dry | 1  | 10/1/2013 7:40:00 PM  |
| Surr: o-Terphenyl                    | 84.0   | 50-150          |      | %REC      | 1  | 10/1/2013 7:40:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.012           |      | mg/Kg-dry | 1  | 10/1/2013 12:34:00 PM |
| Xylenes, Total                       | ND     | 0.72            |      | mg/Kg-dry | 1  | 10/1/2013 12:34:00 PM |
| Surr: 4-Bromofluorobenzene           | 50.9   | 42.6-126        |      | %REC      | 1  | 10/1/2013 12:34:00 PM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 6.02            |      | mg/Kg-dry | 1  | 10/1/2013 12:30:00 PM |
| Surr: 4-Bromofluorobenzene           | 52.3   | 50-150          |      | %REC      | 1  | 10/1/2013 12:30:00 PM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | 7.38   | 2.16            |      | mg/Kg-dry | 1  | 10/1/2013 5:47:15 PM  |
| Cadmium                              | 0.604  | 0.108           |      | mg/Kg-dry | 1  | 10/1/2013 5:47:15 PM  |
| Lead                                 | 134    | 2.16            |      | mg/Kg-dry | 1  | 10/2/2013 10:34:59 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0519 | 0.0215          |      | mg/Kg-dry | 1  | 10/2/2013 11:08:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | 9.81   | 8.92            |      | µg/Kg-dry | 1  | 10/1/2013 10:50:00 PM |
| Benzo(a)pyrene                       | ND     | 8.92            |      | µg/Kg-dry | 1  | 10/1/2013 10:50:00 PM |
| Benzo(b)fluoranthene                 | 14.3   | 8.92            |      | µg/Kg-dry | 1  | 10/1/2013 10:50:00 PM |
| Benzo(k)fluoranthene                 | ND     | 8.92            |      | µg/Kg-dry | 1  | 10/1/2013 10:50:00 PM |
| Chrysene                             | 11.6   | 8.92            |      | µg/Kg-dry | 1  | 10/1/2013 10:50:00 PM |
| Dibenz(a,h)anthracene                | ND     | 8.92            |      | µg/Kg-dry | 1  | 10/1/2013 10:50:00 PM |
| Indeno(1,2,3-cd)pyrene               | ND     | 8.92            |      | µg/Kg-dry | 1  | 10/1/2013 10:50:00 PM |
| Surr: 2-Fluorobiphenyl               | 45.3   | 42.6-128        |      | %REC      | 1  | 10/1/2013 10:50:00 PM |
| Surr: Nitrobenzene-d5                | 45.6   | 21.7-155        |      | %REC      | 1  | 10/1/2013 10:50:00 PM |
| Surr: p-Terphenyl-d14                | 30.8   | 44.9-155        | SMI  | %REC      | 1  | 10/1/2013 10:50:00 PM |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM  |
| Aroclor 1221                         | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM  |
| Aroclor 1232                         | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM  |
| Aroclor 1242                         | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM  |
| Aroclor 1248                         | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM  |
| Aroclor 1254                         | 5.97   | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 2:30:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-007

Client Sample ID: CS2-S-1.5-W2

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM |
| Aroclor 1262             | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM |
| Aroclor 1268             | ND     | 0.445           |      | µg/Kg-dry | 1  | 10/1/2013 6:18:00 PM |
| Surr: Decachlorobiphenyl | 90.8   | 56.5-130        |      | %REC      | 1  | 10/1/2013 6:18:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-008  
**Client Sample ID:** CS2-S-1.5-W3

**Collection Date:** 9/30/2013 2:40:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 45.3   | 17.9            | K    | mg/Kg-dry | 1  | 10/1/2013 8:00:00 PM  |
| Lube Oil                             | 213    | 59.5            |      | mg/Kg-dry | 1  | 10/1/2013 8:00:00 PM  |
| Surr: o-Terphenyl                    | 89.9   | 50-150          |      | %REC      | 1  | 10/1/2013 8:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.011           |      | mg/Kg-dry | 1  | 10/1/2013 1:04:00 PM  |
| Xylenes, Total                       | ND     | 0.66            |      | mg/Kg-dry | 1  | 10/1/2013 1:04:00 PM  |
| Surr: 4-Bromofluorobenzene           | 56.5   | 42.6-126        |      | %REC      | 1  | 10/1/2013 1:04:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 5.53            |      | mg/Kg-dry | 1  | 10/1/2013 1:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 58.4   | 50-150          |      | %REC      | 1  | 10/1/2013 1:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | 51.6   | 1.80            |      | mg/Kg-dry | 1  | 10/1/2013 5:52:15 PM  |
| Cadmium                              | 1.62   | 0.0902          |      | mg/Kg-dry | 1  | 10/1/2013 5:52:15 PM  |
| Lead                                 | 511    | 1.80            |      | mg/Kg-dry | 1  | 10/2/2013 10:39:57 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0726 | 0.0199          |      | mg/Kg-dry | 1  | 10/2/2013 10:35:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 7.94            |      | µg/Kg-dry | 1  | 10/1/2013 11:19:00 PM |
| Benzo(a)pyrene                       | ND     | 7.94            |      | µg/Kg-dry | 1  | 10/1/2013 11:19:00 PM |
| Benzo(b)fluoranthene                 | 13.5   | 7.94            |      | µg/Kg-dry | 1  | 10/1/2013 11:19:00 PM |
| Benzo(k)fluoranthene                 | ND     | 7.94            |      | µg/Kg-dry | 1  | 10/1/2013 11:19:00 PM |
| Chrysene                             | 10.3   | 7.94            |      | µg/Kg-dry | 1  | 10/1/2013 11:19:00 PM |
| Dibenz(a,h)anthracene                | ND     | 7.94            |      | µg/Kg-dry | 1  | 10/1/2013 11:19:00 PM |
| Indeno(1,2,3-cd)pyrene               | ND     | 7.94            |      | µg/Kg-dry | 1  | 10/1/2013 11:19:00 PM |
| Surr: 2-Fluorobiphenyl               | 50.7   | 42.6-128        |      | %REC      | 1  | 10/1/2013 11:19:00 PM |
| Surr: Nitrobenzene-d5                | 47.8   | 21.7-155        |      | %REC      | 1  | 10/1/2013 11:19:00 PM |
| Surr: p-Terphenyl-d14                | 33.8   | 44.9-155        | SMI  | %REC      | 1  | 10/1/2013 11:19:00 PM |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM  |
| Aroclor 1221                         | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM  |
| Aroclor 1232                         | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM  |
| Aroclor 1242                         | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM  |
| Aroclor 1248                         | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM  |
| Aroclor 1254                         | 16.7   | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 2:40:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-008

Client Sample ID: CS2-S-1.5-W3

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM |
| Aroclor 1262             | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM |
| Aroclor 1268             | ND     | 0.396           |      | µg/Kg-dry | 1  | 10/1/2013 6:36:00 PM |
| Surr: Decachlorobiphenyl | 91.3   | 56.5-130        |      | %REC      | 1  | 10/1/2013 6:36:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-009  
**Client Sample ID:** CS2-S-1.5-W4

**Collection Date:** 9/30/2013 2:50:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 60.3   | 17.4            | K    | mg/Kg-dry | 1  | 10/1/2013 8:20:00 PM  |
| Lube Oil                             | 311    | 57.9            |      | mg/Kg-dry | 1  | 10/1/2013 8:20:00 PM  |
| Surr: o-Terphenyl                    | 89.2   | 50-150          |      | %REC      | 1  | 10/1/2013 8:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.014           |      | mg/Kg-dry | 1  | 10/1/2013 1:34:00 PM  |
| Xylenes, Total                       | ND     | 0.83            |      | mg/Kg-dry | 1  | 10/1/2013 1:34:00 PM  |
| Surr: 4-Bromofluorobenzene           | 56.8   | 42.6-126        |      | %REC      | 1  | 10/1/2013 1:34:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 6.89            |      | mg/Kg-dry | 1  | 10/1/2013 1:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 61.3   | 50-150          |      | %REC      | 1  | 10/1/2013 1:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | 2.73   | 1.65            |      | mg/Kg-dry | 1  | 10/1/2013 5:57:14 PM  |
| Cadmium                              | 0.496  | 0.0827          |      | mg/Kg-dry | 1  | 10/1/2013 5:57:14 PM  |
| Lead                                 | 71.0   | 1.65            |      | mg/Kg-dry | 1  | 10/2/2013 10:44:55 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0237 | 0.0186          |      | mg/Kg-dry | 1  | 10/2/2013 10:38:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | 10.0   | 7.73            |      | µg/Kg-dry | 1  | 10/1/2013 11:47:00 PM |
| Benzo(a)pyrene                       | 13.1   | 7.73            |      | µg/Kg-dry | 1  | 10/1/2013 11:47:00 PM |
| Benzo(b)fluoranthene                 | 22.4   | 7.73            |      | µg/Kg-dry | 1  | 10/1/2013 11:47:00 PM |
| Benzo(k)fluoranthene                 | ND     | 7.73            |      | µg/Kg-dry | 1  | 10/1/2013 11:47:00 PM |
| Chrysene                             | 17.0   | 7.73            |      | µg/Kg-dry | 1  | 10/1/2013 11:47:00 PM |
| Dibenz(a,h)anthracene                | ND     | 7.73            |      | µg/Kg-dry | 1  | 10/1/2013 11:47:00 PM |
| Indeno(1,2,3-cd)pyrene               | 12.4   | 7.73            |      | µg/Kg-dry | 1  | 10/1/2013 11:47:00 PM |
| Surr: 2-Fluorobiphenyl               | 47.7   | 42.6-128        |      | %REC      | 1  | 10/1/2013 11:47:00 PM |
| Surr: Nitrobenzene-d5                | 42.0   | 21.7-155        |      | %REC      | 1  | 10/1/2013 11:47:00 PM |
| Surr: p-Terphenyl-d14                | 34.4   | 44.9-155        | SMI  | %REC      | 1  | 10/1/2013 11:47:00 PM |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM  |
| Aroclor 1221                         | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM  |
| Aroclor 1232                         | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM  |
| Aroclor 1242                         | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM  |
| Aroclor 1248                         | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM  |
| Aroclor 1254                         | 29.3   | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-009  
**Client Sample ID:** CS2-S-1.5-W4

**Collection Date:** 9/30/2013 2:50:00 PM

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM |
| Aroclor 1262             | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM |
| Aroclor 1268             | ND     | 0.386           |      | µg/Kg-dry | 1  | 10/1/2013 6:54:00 PM |
| Surr: Decachlorobiphenyl | 84.0   | 56.5-130        |      | %REC      | 1  | 10/1/2013 6:54:00 PM |

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# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-010  
**Client Sample ID:** CS2-S-3.0-F1

**Collection Date:** 9/30/2013 3:00:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 24.8   | 21.9            |      | mg/Kg-dry | 1  | 10/1/2013 8:40:00 PM  |
| Lube Oil                             | 102    | 72.9            |      | mg/Kg-dry | 1  | 10/1/2013 8:40:00 PM  |
| Surr: o-Terphenyl                    | 78.9   | 50-150          |      | %REC      | 1  | 10/1/2013 8:40:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.016           |      | mg/Kg-dry | 1  | 10/1/2013 2:04:00 PM  |
| Xylenes, Total                       | ND     | 0.93            |      | mg/Kg-dry | 1  | 10/1/2013 2:04:00 PM  |
| Surr: 4-Bromofluorobenzene           | 58.9   | 42.6-126        |      | %REC      | 1  | 10/1/2013 2:04:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 7.80            |      | mg/Kg-dry | 1  | 10/1/2013 2:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 56.6   | 50-150          |      | %REC      | 1  | 10/1/2013 2:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | ND     | 2.70            |      | mg/Kg-dry | 1  | 10/1/2013 6:02:15 PM  |
| Cadmium                              | 0.135  | 0.135           |      | mg/Kg-dry | 1  | 10/1/2013 6:02:15 PM  |
| Lead                                 | 17.7   | 2.70            |      | mg/Kg-dry | 1  | 10/2/2013 10:49:54 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0664 | 0.0226          |      | mg/Kg-dry | 1  | 10/2/2013 10:41:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 9.73            |      | µg/Kg-dry | 1  | 10/1/2013 9:26:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.73            |      | µg/Kg-dry | 1  | 10/1/2013 9:26:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.73            |      | µg/Kg-dry | 1  | 10/1/2013 9:26:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.73            |      | µg/Kg-dry | 1  | 10/1/2013 9:26:00 PM  |
| Chrysene                             | ND     | 9.73            |      | µg/Kg-dry | 1  | 10/1/2013 9:26:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.73            |      | µg/Kg-dry | 1  | 10/1/2013 9:26:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.73            |      | µg/Kg-dry | 1  | 10/1/2013 9:26:00 PM  |
| Surr: 2-Fluorobiphenyl               | 44.2   | 42.6-128        |      | %REC      | 1  | 10/1/2013 9:26:00 PM  |
| Surr: Nitrobenzene-d5                | 44.2   | 21.7-155        |      | %REC      | 1  | 10/1/2013 9:26:00 PM  |
| Surr: p-Terphenyl-d14                | 32.4   | 44.9-155        | SMI  | %REC      | 1  | 10/1/2013 9:26:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM  |
| Aroclor 1221                         | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM  |
| Aroclor 1232                         | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM  |
| Aroclor 1242                         | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM  |
| Aroclor 1248                         | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM  |
| Aroclor 1254                         | 3.99   | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 3:00:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-010

Client Sample ID: CS2-S-3.0-F1

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM |
| Aroclor 1262             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM |
| Aroclor 1268             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/1/2013 7:12:00 PM |
| Surr: Decachlorobiphenyl | 97.9   | 56.5-130        |      | %REC      | 1  | 10/1/2013 7:12:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-011  
**Client Sample ID:** CS3-S-1.0-W1

**Collection Date:** 9/30/2013 3:40:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 33.5   | 21.9            | K    | mg/Kg-dry | 1  | 10/1/2013 9:00:00 PM  |
| Lube Oil                             | 125    | 72.9            |      | mg/Kg-dry | 1  | 10/1/2013 9:00:00 PM  |
| Surr: o-Terphenyl                    | 82.2   | 50-150          |      | %REC      | 1  | 10/1/2013 9:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.014           |      | mg/Kg-dry | 1  | 10/1/2013 2:34:00 PM  |
| Xylenes, Total                       | ND     | 0.86            |      | mg/Kg-dry | 1  | 10/1/2013 2:34:00 PM  |
| Surr: 4-Bromofluorobenzene           | 59.3   | 42.6-126        |      | %REC      | 1  | 10/1/2013 2:34:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 7.14            |      | mg/Kg-dry | 1  | 10/1/2013 2:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 50.4   | 50-150          |      | %REC      | 1  | 10/1/2013 2:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | ND     | 2.92            |      | mg/Kg-dry | 1  | 10/1/2013 6:07:18 PM  |
| Cadmium                              | ND     | 0.146           |      | mg/Kg-dry | 1  | 10/1/2013 6:07:18 PM  |
| Lead                                 | 13.3   | 2.92            |      | mg/Kg-dry | 1  | 10/2/2013 10:54:53 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0553 | 0.0234          |      | mg/Kg-dry | 1  | 10/2/2013 10:44:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 9.72            |      | µg/Kg-dry | 1  | 10/1/2013 9:54:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.72            |      | µg/Kg-dry | 1  | 10/1/2013 9:54:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.72            |      | µg/Kg-dry | 1  | 10/1/2013 9:54:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.72            |      | µg/Kg-dry | 1  | 10/1/2013 9:54:00 PM  |
| Chrysene                             | ND     | 9.72            |      | µg/Kg-dry | 1  | 10/1/2013 9:54:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.72            |      | µg/Kg-dry | 1  | 10/1/2013 9:54:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.72            |      | µg/Kg-dry | 1  | 10/1/2013 9:54:00 PM  |
| Surr: 2-Fluorobiphenyl               | 45.9   | 42.6-128        |      | %REC      | 1  | 10/1/2013 9:54:00 PM  |
| Surr: Nitrobenzene-d5                | 42.3   | 21.7-155        |      | %REC      | 1  | 10/1/2013 9:54:00 PM  |
| Surr: p-Terphenyl-d14                | 30.7   | 44.9-155        | SMI  | %REC      | 1  | 10/1/2013 9:54:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM  |
| Aroclor 1221                         | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM  |
| Aroclor 1232                         | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM  |
| Aroclor 1242                         | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM  |
| Aroclor 1248                         | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM  |
| Aroclor 1254                         | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-011  
**Client Sample ID:** CS3-S-1.0-W1

**Collection Date:** 9/30/2013 3:40:00 PM

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM |
| Aroclor 1262             | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM |
| Aroclor 1268             | ND     | 0.485           |      | µg/Kg-dry | 1  | 10/1/2013 7:30:00 PM |
| Surr: Decachlorobiphenyl | 55.0   | 56.5-130        | SMI  | %REC      | 1  | 10/1/2013 7:30:00 PM |

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# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-012  
**Client Sample ID:** CS3-S-1.0-W2

**Collection Date:** 9/30/2013 3:50:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 27.0   | 21.6            | K    | mg/Kg-dry | 1  | 10/1/2013 9:20:00 PM  |
| Lube Oil                             | 88.9   | 71.9            |      | mg/Kg-dry | 1  | 10/1/2013 9:20:00 PM  |
| Surr: o-Terphenyl                    | 83.3   | 50-150          |      | %REC      | 1  | 10/1/2013 9:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.030           |      | mg/Kg-dry | 1  | 10/1/2013 3:04:00 PM  |
| Xylenes, Total                       | ND     | 0.91            |      | mg/Kg-dry | 1  | 10/1/2013 3:04:00 PM  |
| Surr: 4-Bromofluorobenzene           | 57.0   | 42.6-126        |      | %REC      | 1  | 10/1/2013 3:04:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 7.55            |      | mg/Kg-dry | 1  | 10/1/2013 3:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 55.9   | 50-150          |      | %REC      | 1  | 10/1/2013 3:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | ND     | 2.18            |      | mg/Kg-dry | 1  | 10/1/2013 6:12:20 PM  |
| Cadmium                              | ND     | 0.109           |      | mg/Kg-dry | 1  | 10/1/2013 6:12:20 PM  |
| Lead                                 | ND     | 2.18            |      | mg/Kg-dry | 1  | 10/2/2013 10:59:54 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0277 | 0.0240          |      | mg/Kg-dry | 1  | 10/2/2013 10:47:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 9.59            |      | µg/Kg-dry | 1  | 10/1/2013 10:22:00 PM |
| Benzo(a)pyrene                       | ND     | 9.59            |      | µg/Kg-dry | 1  | 10/1/2013 10:22:00 PM |
| Benzo(b)fluoranthene                 | ND     | 9.59            |      | µg/Kg-dry | 1  | 10/1/2013 10:22:00 PM |
| Benzo(k)fluoranthene                 | ND     | 9.59            |      | µg/Kg-dry | 1  | 10/1/2013 10:22:00 PM |
| Chrysene                             | ND     | 9.59            |      | µg/Kg-dry | 1  | 10/1/2013 10:22:00 PM |
| Dibenz(a,h)anthracene                | ND     | 9.59            |      | µg/Kg-dry | 1  | 10/1/2013 10:22:00 PM |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.59            |      | µg/Kg-dry | 1  | 10/1/2013 10:22:00 PM |
| Surr: 2-Fluorobiphenyl               | 52.9   | 42.6-128        |      | %REC      | 1  | 10/1/2013 10:22:00 PM |
| Surr: Nitrobenzene-d5                | 48.8   | 21.7-155        |      | %REC      | 1  | 10/1/2013 10:22:00 PM |
| Surr: p-Terphenyl-d14                | 37.1   | 44.9-155        | SMI  | %REC      | 1  | 10/1/2013 10:22:00 PM |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM  |
| Aroclor 1221                         | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM  |
| Aroclor 1232                         | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM  |
| Aroclor 1242                         | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM  |
| Aroclor 1248                         | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM  |
| Aroclor 1254                         | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-012  
**Client Sample ID:** CS3-S-1.0-W2

**Collection Date:** 9/30/2013 3:50:00 PM

**Matrix:** SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM |
| Aroclor 1262             | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM |
| Aroclor 1268             | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/1/2013 7:48:00 PM |
| Surr: Decachlorobiphenyl | 68.6   | 56.5-130        |      | %REC      | 1  | 10/1/2013 7:48:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-013  
**Client Sample ID:** CS3-S-1.0-W3

**Collection Date:** 9/30/2013 4:00:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 20.3            |      | mg/Kg-dry           | 1  | 10/1/2013 9:40:00 PM  |
| Lube Oil                             | 91.4   | 67.6            |      | mg/Kg-dry           | 1  | 10/1/2013 9:40:00 PM  |
| Surr: o-Terphenyl                    | 82.0   | 50-150          |      | %REC                | 1  | 10/1/2013 9:40:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.027           |      | mg/Kg-dry           | 1  | 10/1/2013 3:34:00 PM  |
| Xylenes, Total                       | ND     | 1.6             |      | mg/Kg-dry           | 1  | 10/1/2013 3:34:00 PM  |
| Surr: 4-Bromofluorobenzene           | 97.0   | 42.6-126        |      | %REC                | 1  | 10/1/2013 3:34:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 13.3            |      | mg/Kg-dry           | 1  | 10/1/2013 3:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 88.6   | 50-150          |      | %REC                | 1  | 10/1/2013 3:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.18            |      | mg/Kg-dry           | 1  | 10/1/2013 6:17:21 PM  |
| Cadmium                              | 2.64   | 0.109           |      | mg/Kg-dry           | 1  | 10/1/2013 6:17:21 PM  |
| Lead                                 | 129    | 2.18            |      | mg/Kg-dry           | 1  | 10/2/2013 11:04:53 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.0648 | 0.0226          |      | mg/Kg-dry           | 1  | 10/2/2013 10:50:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.02            |      | µg/Kg-dry           | 1  | 10/2/2013 12:15:00 AM |
| Benzo(a)pyrene                       | ND     | 9.02            |      | µg/Kg-dry           | 1  | 10/2/2013 12:15:00 AM |
| Benzo(b)fluoranthene                 | ND     | 9.02            |      | µg/Kg-dry           | 1  | 10/2/2013 12:15:00 AM |
| Benzo(k)fluoranthene                 | ND     | 9.02            |      | µg/Kg-dry           | 1  | 10/2/2013 12:15:00 AM |
| Chrysene                             | ND     | 9.02            |      | µg/Kg-dry           | 1  | 10/2/2013 12:15:00 AM |
| Dibenz(a,h)anthracene                | ND     | 9.02            |      | µg/Kg-dry           | 1  | 10/2/2013 12:15:00 AM |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.02            |      | µg/Kg-dry           | 1  | 10/2/2013 12:15:00 AM |
| Surr: 2-Fluorobiphenyl               | 48.0   | 42.6-128        |      | %REC                | 1  | 10/2/2013 12:15:00 AM |
| Surr: Nitrobenzene-d5                | 47.0   | 21.7-155        |      | %REC                | 1  | 10/2/2013 12:15:00 AM |
| Surr: p-Terphenyl-d14                | 34.6   | 44.9-155        | SMI  | %REC                | 1  | 10/2/2013 12:15:00 AM |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.450           |      | µg/Kg-dry           | 1  | 10/1/2013 8:06:00 PM  |
| Aroclor 1221                         | ND     | 0.450           |      | µg/Kg-dry           | 1  | 10/1/2013 8:06:00 PM  |
| Aroclor 1232                         | ND     | 0.450           |      | µg/Kg-dry           | 1  | 10/1/2013 8:06:00 PM  |
| Aroclor 1242                         | ND     | 0.450           |      | µg/Kg-dry           | 1  | 10/1/2013 8:06:00 PM  |
| Aroclor 1248                         | ND     | 0.450           |      | µg/Kg-dry           | 1  | 10/1/2013 8:06:00 PM  |
| Aroclor 1254                         | ND     | 0.450           |      | µg/Kg-dry           | 1  | 10/1/2013 8:06:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-013  
**Client Sample ID:** CS3-S-1.0-W3

**Collection Date:** 9/30/2013 4:00:00 PM

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.450           |      | µg/Kg-dry | 1  | 10/1/2013 8:06:00 PM |
| Aroclor 1262             | ND     | 0.450           |      | µg/Kg-dry | 1  | 10/1/2013 8:06:00 PM |
| Aroclor 1268             | ND     | 0.450           |      | µg/Kg-dry | 1  | 10/1/2013 8:06:00 PM |
| Surr: Decachlorobiphenyl | 92.4   | 56.5-130        |      | %REC      | 1  | 10/1/2013 8:06:00 PM |

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# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-014  
**Client Sample ID:** CS3-S-1.0-W4

**Collection Date:** 9/30/2013 4:10:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 21.5            |      | mg/Kg-dry           | 1  | 10/1/2013 10:00:00 PM |
| Lube Oil                             | ND     | 71.6            |      | mg/Kg-dry           | 1  | 10/1/2013 10:00:00 PM |
| Surr: o-Terphenyl                    | 77.3   | 50-150          |      | %REC                | 1  | 10/1/2013 10:00:00 PM |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.015           |      | mg/Kg-dry           | 1  | 10/1/2013 4:04:00 PM  |
| Xylenes, Total                       | ND     | 0.91            |      | mg/Kg-dry           | 1  | 10/1/2013 4:04:00 PM  |
| Surr: 4-Bromofluorobenzene           | 62.2   | 42.6-126        |      | %REC                | 1  | 10/1/2013 4:04:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 7.66            |      | mg/Kg-dry           | 1  | 10/1/2013 4:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 63.1   | 50-150          |      | %REC                | 1  | 10/1/2013 4:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.47            |      | mg/Kg-dry           | 1  | 10/1/2013 6:22:21 PM  |
| Cadmium                              | 0.296  | 0.123           |      | mg/Kg-dry           | 1  | 10/1/2013 6:22:21 PM  |
| Lead                                 | 27.0   | 2.47            |      | mg/Kg-dry           | 1  | 10/2/2013 11:09:52 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.161  | 0.0230          |      | mg/Kg-dry           | 1  | 10/2/2013 10:53:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.55            |      | µg/Kg-dry           | 1  | 10/2/2013 12:43:00 AM |
| Benzo(a)pyrene                       | ND     | 9.55            |      | µg/Kg-dry           | 1  | 10/2/2013 12:43:00 AM |
| Benzo(b)fluoranthene                 | ND     | 9.55            |      | µg/Kg-dry           | 1  | 10/2/2013 12:43:00 AM |
| Benzo(k)fluoranthene                 | ND     | 9.55            |      | µg/Kg-dry           | 1  | 10/2/2013 12:43:00 AM |
| Chrysene                             | ND     | 9.55            |      | µg/Kg-dry           | 1  | 10/2/2013 12:43:00 AM |
| Dibenz(a,h)anthracene                | ND     | 9.55            |      | µg/Kg-dry           | 1  | 10/2/2013 12:43:00 AM |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.55            |      | µg/Kg-dry           | 1  | 10/2/2013 12:43:00 AM |
| Surr: 2-Fluorobiphenyl               | 47.3   | 42.6-128        |      | %REC                | 1  | 10/2/2013 12:43:00 AM |
| Surr: Nitrobenzene-d5                | 43.7   | 21.7-155        |      | %REC                | 1  | 10/2/2013 12:43:00 AM |
| Surr: p-Terphenyl-d14                | 37.2   | 44.9-155        | SMI  | %REC                | 1  | 10/2/2013 12:43:00 AM |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.477           |      | µg/Kg-dry           | 1  | 10/1/2013 8:24:00 PM  |
| Aroclor 1221                         | ND     | 0.477           |      | µg/Kg-dry           | 1  | 10/1/2013 8:24:00 PM  |
| Aroclor 1232                         | ND     | 0.477           |      | µg/Kg-dry           | 1  | 10/1/2013 8:24:00 PM  |
| Aroclor 1242                         | ND     | 0.477           |      | µg/Kg-dry           | 1  | 10/1/2013 8:24:00 PM  |
| Aroclor 1248                         | ND     | 0.477           |      | µg/Kg-dry           | 1  | 10/1/2013 8:24:00 PM  |
| Aroclor 1254                         | ND     | 0.477           |      | µg/Kg-dry           | 1  | 10/1/2013 8:24:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-014  
**Client Sample ID:** CS3-S-1.0-W4

**Collection Date:** 9/30/2013 4:10:00 PM

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.477           |      | µg/Kg-dry | 1  | 10/1/2013 8:24:00 PM |
| Aroclor 1262             | ND     | 0.477           |      | µg/Kg-dry | 1  | 10/1/2013 8:24:00 PM |
| Aroclor 1268             | ND     | 0.477           |      | µg/Kg-dry | 1  | 10/1/2013 8:24:00 PM |
| Surr: Decachlorobiphenyl | 70.0   | 56.5-130        |      | %REC      | 1  | 10/1/2013 8:24:00 PM |

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# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-015  
**Client Sample ID:** CS3-S-2.0-F1

**Collection Date:** 9/30/2013 4:20:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 35.0   | 22.1            | K    | mg/Kg-dry | 1  | 10/1/2013 10:20:00 PM |
| Lube Oil                             | 110    | 73.8            |      | mg/Kg-dry | 1  | 10/1/2013 10:20:00 PM |
| Surr: o-Terphenyl                    | 78.7   | 50-150          |      | %REC      | 1  | 10/1/2013 10:20:00 PM |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.017           |      | mg/Kg-dry | 1  | 10/1/2013 4:34:00 PM  |
| Xylenes, Total                       | ND     | 1.0             |      | mg/Kg-dry | 1  | 10/1/2013 4:34:00 PM  |
| Surr: 4-Bromofluorobenzene           | 49.2   | 42.6-126        |      | %REC      | 1  | 10/1/2013 4:34:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 8.56            |      | mg/Kg-dry | 1  | 10/1/2013 5:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 52.5   | 50-150          |      | %REC      | 1  | 10/1/2013 5:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | ND     | 2.95            |      | mg/Kg-dry | 1  | 10/1/2013 6:27:22 PM  |
| Cadmium                              | 0.236  | 0.148           |      | mg/Kg-dry | 1  | 10/1/2013 6:27:22 PM  |
| Lead                                 | 15.9   | 2.95            |      | mg/Kg-dry | 1  | 10/2/2013 11:14:52 AM |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | ND     | 0.0246          |      | mg/Kg-dry | 1  | 10/2/2013 10:56:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 9.84            |      | µg/Kg-dry | 1  | 10/2/2013 1:11:00 AM  |
| Benzo(a)pyrene                       | ND     | 9.84            |      | µg/Kg-dry | 1  | 10/2/2013 1:11:00 AM  |
| Benzo(b)fluoranthene                 | ND     | 9.84            |      | µg/Kg-dry | 1  | 10/2/2013 1:11:00 AM  |
| Benzo(k)fluoranthene                 | ND     | 9.84            |      | µg/Kg-dry | 1  | 10/2/2013 1:11:00 AM  |
| Chrysene                             | ND     | 9.84            |      | µg/Kg-dry | 1  | 10/2/2013 1:11:00 AM  |
| Dibenz(a,h)anthracene                | ND     | 9.84            |      | µg/Kg-dry | 1  | 10/2/2013 1:11:00 AM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.84            |      | µg/Kg-dry | 1  | 10/2/2013 1:11:00 AM  |
| Surr: 2-Fluorobiphenyl               | 44.6   | 42.6-128        |      | %REC      | 1  | 10/2/2013 1:11:00 AM  |
| Surr: Nitrobenzene-d5                | 38.6   | 21.7-155        |      | %REC      | 1  | 10/2/2013 1:11:00 AM  |
| Surr: p-Terphenyl-d14                | 34.2   | 44.9-155        | SMI  | %REC      | 1  | 10/2/2013 1:11:00 AM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM  |
| Aroclor 1221                         | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM  |
| Aroclor 1232                         | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM  |
| Aroclor 1242                         | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM  |
| Aroclor 1248                         | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM  |
| Aroclor 1254                         | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM  |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 4:20:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-015

Client Sample ID: CS3-S-2.0-F1

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: JRC         |
| Aroclor 1260             | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM |
| Aroclor 1262             | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM |
| Aroclor 1268             | ND     | 0.492           |      | µg/Kg-dry | 1  | 10/1/2013 8:42:00 PM |
| Surr: Decachlorobiphenyl | 58.5   | 56.5-130        |      | %REC      | 1  | 10/1/2013 8:42:00 PM |

# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 4:30:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-016

Client Sample ID: SP1-S-1

Matrix: SOIL

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| Analyses                             | Result | RL             | Qual | Units | DF | Date Analyzed         |
|--------------------------------------|--------|----------------|------|-------|----|-----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |       |    | Analyst: <b>ZL</b>    |
| Lead,TCLP                            | ND     | 0.1000         |      | mg/L  | 1  | 10/2/2013 12:29:01 PM |

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# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-017  
**Client Sample ID:** SP1-S-2

**Collection Date:** 9/30/2013 4:40:00 PM

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Units | DF | Date Analyzed         |
|--------------------------------------|--------|----------------|------|-------|----|-----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |       |    | Analyst: <b>ZL</b>    |
| Lead,TCLP                            | 0.1390 | 0.1000         |      | mg/L  | 1  | 10/2/2013 12:34:07 PM |

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# Specialty Analytical

Date Reported: 04-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310001-018  
**Client Sample ID:** SP1-S-3

**Collection Date:** 9/30/2013 4:50:00 PM

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Units | DF | Date Analyzed         |
|--------------------------------------|--------|----------------|------|-------|----|-----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |       |    | Analyst: <b>ZL</b>    |
| Lead,TCLP                            | ND     | 0.1000         |      | mg/L  | 1  | 10/2/2013 12:39:12 PM |

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# Specialty Analytical

Date Reported: 04-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 9/30/2013 5:00:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310001-019

Client Sample ID: SP1-S-4

Matrix: SOIL

---

| Analyses                             | Result | RL             | Qual | Units | DF | Date Analyzed         |
|--------------------------------------|--------|----------------|------|-------|----|-----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |       |    | Analyst: <b>ZL</b>    |
| Lead,TCLP                            | ND     | 0.1000         |      | mg/L  | 1  | 10/2/2013 12:44:17 PM |

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# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11683</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>5940</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147649</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 104                   | 2.00                    | 100.0               | 0                               | 104                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5.19                  | 0.100                   | 5.000               | 0                               | 104                  | 90       | 110       |             |      |          |      |
| Lead                  | 103                   | 2.00                    | 100.0               | 0                               | 103                  | 90       | 110       |             |      |          |      |

|                             |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-5940</b> | SampType: <b>MBLK</b> | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11683</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>5940</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147650</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 2.00                    |                     |                                 |                      |          |           |             |      |          |      |
| Cadmium                     | ND                    | 0.100                   |                     |                                 |                      |          |           |             |      |          |      |
| Lead                        | ND                    | 2.00                    |                     |                                 |                      |          |           |             |      |          |      |

|                            |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5940</b> | SampType: <b>LCS</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11683</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5940</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147651</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 99.4                  | 2.00                    | 100.0               | 0                               | 99.4                 | 85.1     | 107       |             |      |          |      |
| Cadmium                    | 5.07                  | 0.100                   | 5.000               | 0                               | 101                  | 87.2     | 115       |             |      |          |      |
| Lead                       | 104                   | 2.00                    | 100.0               | 0                               | 104                  | 84.9     | 109       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 1 of 19 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

| Sample ID: 1310001-001ADUP | SampType: DUP  | TestCode: 6010_S | Units: mg/Kg-dry | Prep Date: 10/1/2013     | RunNo: 11683  |          |           |             |      |          |      |
|----------------------------|----------------|------------------|------------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: CS1-S-1.0-W1    | Batch ID: 5940 | TestNo: SW6010C  | SW3050B          | Analysis Date: 10/1/2013 | SeqNo: 147653 |          |           |             |      |          |      |
| Analyte                    | Result         | PQL              | SPK value        | SPK Ref Val              | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | ND             | 2.52             |                  |                          |               |          |           | 0           | 0    | 20       |      |
| Cadmium                    | ND             | 0.126            |                  |                          |               |          |           | 0           | 0    | 20       |      |
| Lead                       | ND             | 2.52             |                  |                          |               |          |           | 0           | 0    | 20       |      |

| Sample ID: 1310001-001AMS | SampType: MS   | TestCode: 6010_S | Units: mg/Kg-dry | Prep Date: 10/1/2013     | RunNo: 11683  |          |           |             |      |          |      |
|---------------------------|----------------|------------------|------------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: CS1-S-1.0-W1   | Batch ID: 5940 | TestNo: SW6010C  | SW3050B          | Analysis Date: 10/1/2013 | SeqNo: 147654 |          |           |             |      |          |      |
| Analyte                   | Result         | PQL              | SPK value        | SPK Ref Val              | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                   | 94.2           | 2.52             | 125.9            | 0                        | 74.8          | 86.1     | 109       |             |      |          | S    |
| Cadmium                   | 4.67           | 0.126            | 6.294            | 0                        | 74.2          | 86.4     | 115       |             |      |          | S    |
| Lead                      | 93.4           | 2.52             | 125.9            | 0                        | 74.2          | 84.9     | 109       |             |      |          | S    |

| Sample ID: 1310001-001AMSD | SampType: MSD  | TestCode: 6010_S | Units: mg/Kg-dry | Prep Date: 10/1/2013     | RunNo: 11683  |          |           |             |      |          |      |
|----------------------------|----------------|------------------|------------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: CS1-S-1.0-W1    | Batch ID: 5940 | TestNo: SW6010C  | SW3050B          | Analysis Date: 10/1/2013 | SeqNo: 147655 |          |           |             |      |          |      |
| Analyte                    | Result         | PQL              | SPK value        | SPK Ref Val              | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 99.8           | 2.52             | 125.9            | 0                        | 79.3          | 86.1     | 109       | 94.17       | 5.81 | 20       | S    |
| Cadmium                    | 4.87           | 0.126            | 6.294            | 0                        | 77.4          | 86.4     | 115       | 4.670       | 4.22 | 20       | S    |
| Lead                       | 99.4           | 2.52             | 125.9            | 0                        | 79.0          | 84.9     | 109       | 93.36       | 6.24 | 20       | S    |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11683</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5940</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147660</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 100                   | 2.00                    | 100.0               | 0                               | 100                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5.25                  | 0.100                   | 5.000               | 0                               | 105                  | 90       | 110       |             |      |          |      |
| Lead                  | 105                   | 2.00                    | 100.0               | 0                               | 105                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11683</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>5940</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147974</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead                  | 101                   | 2.00                    | 100.0               | 0                               | 101                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11683</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5940</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147985</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead                  | 103                   | 2.00                    | 100.0               | 0                               | 103                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 3 of 19  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_W

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148001</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead,TCLP 1.010 0.02000 1.000 0 101 90 110

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148002</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead,TCLP 1.030 0.02000 1.000 0 103 90 110

|                             |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-5947</b> | SampType: <b>MBLK</b> | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>PBW</b>       | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148003</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead,TCLP ND 0.02000

|                            |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5947</b> | SampType: <b>LCS</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSW</b>     | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148004</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead,TCLP 0.9969 0.02000 1.000 0 99.7 93.1 112

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_W

|                                   |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1309186-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148010</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP                         | ND                    | 0.1000                  |                    |                                 |                      |          |           | 0           | 0    | 20       |      |

|                                  |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1309186-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148011</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP                        | 5.145                 | 0.1000                  | 5.000              | 0                               | 103                  | 91.9     | 112       |             |      |          |      |

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148012</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP             | 1.018                 | 0.02000                 | 1.000              | 0                               | 102                  | 90       | 110       |             |      |          |      |

|                                   |                       |                         |                    |                                 |                      |          |           |             |       |          |      |
|-----------------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|-------|----------|------|
| Sample ID: <b>1309186-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11698</b>  |          |           |             |       |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148013</b> |          |           |             |       |          |      |
| Analyte                           | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD  | RPDLimit | Qual |
| Lead,TCLP                         | 5.095                 | 0.1000                  | 5.000              | 0                               | 102                  | 91.9     | 112       | 5.145       | 0.977 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 5 of 19  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001

04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_W

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11698</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5947</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148014</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP             | 1.066                 | 0.02000                 | 1.000              | 0                               | 107                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001

04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11693</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5937</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147863</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 66.0                  | 0.333                     | 66.67               | 0                               | 99.0                 | 85       | 115       |             |      |          |      |
| Aroclor 1254          | 66.7                  | 0.333                     | 66.67               | 0                               | 100                  | 85       | 115       |             |      |          |      |

|                           |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5937</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11693</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5937</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147864</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1221              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1232              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1242              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1248              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1254              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1260              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1262              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1268              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl  | 6720                  |                           | 6667                |                                 | 101                  | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5937</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11693</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5937</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147865</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 56.7                  | 0.333                     | 66.67               | 0                               | 85.0                 | 44.3     | 137       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                            |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5937</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11693</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5937</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147865</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                                  |                       |                           |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-003AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11693</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W3</b>   | Batch ID: <b>5937</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147866</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                       | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                | 76.4                  | 0.483                     | 96.65                   | 0                               | 79.0                 | 56.6     | 123       |             |      |          |      |

|                                   |                       |                           |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-003AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11693</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W3</b>    | Batch ID: <b>5937</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147867</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                       | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                 | 76.4                  | 0.483                     | 96.65                   | 0                               | 79.0                 | 56.6     | 123       | 76.35       | 0    | 20       |      |

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11693</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5937</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147883</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 74.0                  | 0.333                     | 66.67               | 0                               | 111                  | 85       | 115       |             |      |          |      |
| Aroclor 1254          | 70.7                  | 0.333                     | 66.67               | 0                               | 106                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 8 of 19  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11685</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5945</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147705</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene               | 2.4                   | 0.0050                     | 2.500               | 0                               | 97.4                 | 85       | 115       |             |      |          |      |
| Xylenes, Total        | 7.7                   | 0.30                       | 7.500               | 0                               | 103                  | 85       | 115       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5945</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11685</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5945</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147706</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | 0.93                  | 0.0050                     | 1.000               | 0                               | 92.6                 | 68.7     | 117       |             |      |          |      |
| Xylenes, Total             | 2.8                   | 0.30                       | 3.000               | 0                               | 91.7                 | 70.1     | 116       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5945</b>  | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11685</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>5945</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147707</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | ND                    | 0.0050                     |                     |                                 |                      |          |           |             |      |          |      |
| Xylenes, Total             | ND                    | 0.30                       |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 2.9                   |                            | 5.000               |                                 | 57.6                 | 42.6     | 126       |             |      |          |      |

|                                  |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-015CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11685</b>  |          |           |             |      |          |      |
| Client ID: <b>CS3-S-2.0-F1</b>   | Batch ID: <b>5945</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147723</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 9 of 19  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001

04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                                  |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-015CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11685</b>  |          |           |             |      |          |      |
| Client ID: <b>CS3-S-2.0-F1</b>   | Batch ID: <b>5945</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147723</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |   |      |      |     |  |  |  |  |
|----------------|-----|-------|-------|---|------|------|-----|--|--|--|--|
| Benzene        | 3.4 | 0.017 | 3.424 | 0 | 99.2 | 32.2 | 108 |  |  |  |  |
| Xylenes, Total | 8.6 | 1.0   | 10.27 | 0 | 83.4 | 47.5 | 119 |  |  |  |  |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-015CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11685</b>  |          |           |             |      |          |      |
| Client ID: <b>CS3-S-2.0-F1</b>    | Batch ID: <b>5945</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147724</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |   |      |      |     |       |      |    |
|----------------|-----|-------|-------|---|------|------|-----|-------|------|----|
| Benzene        | 3.3 | 0.017 | 3.424 | 0 | 96.2 | 32.2 | 108 | 3.399 | 3.12 | 20 |
| Xylenes, Total | 8.4 | 1.0   | 10.27 | 0 | 81.4 | 47.5 | 119 | 8.566 | 2.37 | 20 |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 10 of 19  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                            |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5941</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147946</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                    | 0.383                 | 0.0167                  | 0.4000              | 0                               | 95.8                 | 80       | 120       |             |      |          |      |

|                           |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5941</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147947</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                   | ND                    | 0.0167                  |                     |                                 |                      |          |           |             |      |          |      |

|                                   |                       |                         |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W1</b>    | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147949</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.0354                | 0.0226                  |                         |                                 |                      |          |           | 0.03133     | 12.3 | 20       |      |

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147956</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.414                 | 0.0167                  | 0.4000              | 0                               | 104                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 11 of 19  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147967</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.423                 | 0.0167                  | 0.4000              | 0                               | 106                  | 90       | 110       |             |      |          |      |

|                                  |                       |                         |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W1</b>   | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147969</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 0.443                 | 0.0226                  | 0.5422                  | 0.03133                         | 76.0                 | 75       | 125       |             |      |          |      |

|                                   |                       |                         |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W1</b>    | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147970</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.458                 | 0.0235                  | 0.5639                  | 0.03133                         | 75.7                 | 75       | 125       | 0.4433      | 3.37 | 20       |      |

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11695</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5941</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>147972</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.425                 | 0.0167                  | 0.4000              | 0                               | 106                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11687</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5939</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147775</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1060                  | 15.0                       | 1014                | 0                               | 105                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 538                   | 50.0                       | 522.7               | 0                               | 103                  | 85       | 115       |             |      |          |      |

|                           |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5939</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11687</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5939</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147776</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                    | ND                    | 15.0                       |                     |                                 |                      |          |           |             |      |          |      |
| Lube Oil                  | ND                    | 50.0                       |                     |                                 |                      |          |           |             |      |          |      |
| Surr: o-Terphenyl         | 32.5                  |                            | 33.30               |                                 | 97.7                 | 50       | 150       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5939</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11687</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5939</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147777</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                     | 207                   | 15.0                       | 166.5               | 0                               | 124                  | 76.3     | 125       |             |      |          |      |
| Lube Oil                   | 176                   | 50.0                       | 166.5               | 0                               | 106                  | 69.9     | 127       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11687</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W2</b>    | Batch ID: <b>5939</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>          | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147780</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001

04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11687</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W2</b>    | Batch ID: <b>5939</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>          | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147780</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |    |      |  |  |  |  |  |   |   |    |  |
|----------|----|------|--|--|--|--|--|---|---|----|--|
| Diesel   | ND | 20.9 |  |  |  |  |  | 0 | 0 | 20 |  |
| Lube Oil | ND | 69.7 |  |  |  |  |  | 0 | 0 | 20 |  |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310001-004ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11687</b>  |          |           |             |      |          |      |
| Client ID: <b>CS1-S-1.0-W4</b>    | Batch ID: <b>5939</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>          | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147783</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |      |      |  |  |  |  |  |       |       |    |   |
|----------|------|------|--|--|--|--|--|-------|-------|----|---|
| Diesel   | 54.6 | 21.0 |  |  |  |  |  | 60.19 | 9.67  | 20 | K |
| Lube Oil | 149  | 69.8 |  |  |  |  |  | 150.6 | 0.729 | 20 |   |

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11687</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5939</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147795</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |      |      |       |   |      |    |     |  |  |  |  |
|----------|------|------|-------|---|------|----|-----|--|--|--|--|
| Diesel   | 1420 | 15.0 | 1352  | 0 | 105  | 85 | 115 |  |  |  |  |
| Lube Oil | 652  | 50.0 | 696.9 | 0 | 93.6 | 85 | 115 |  |  |  |  |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 14 of 19  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001

04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11686</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5946</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147725</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |     |    |     |  |  |  |  |
|----------|-----|------|-------|---|-----|----|-----|--|--|--|--|
| Gasoline | 102 | 2.50 | 100.0 | 0 | 102 | 80 | 120 |  |  |  |  |
|----------|-----|------|-------|---|-----|----|-----|--|--|--|--|

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5946</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11686</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5946</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147726</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |      |      |       |   |      |      |     |  |  |  |  |
|----------|------|------|-------|---|------|------|-----|--|--|--|--|
| Gasoline | 48.3 | 2.50 | 50.00 | 0 | 96.6 | 53.5 | 121 |  |  |  |  |
|----------|------|------|-------|---|------|------|-----|--|--|--|--|

|                           |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5946</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/1/2013</b>     | RunNo: <b>11686</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5946</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147727</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                            |      |      |       |  |      |    |     |  |  |  |  |
|----------------------------|------|------|-------|--|------|----|-----|--|--|--|--|
| Gasoline                   | ND   | 2.50 |       |  |      |    |     |  |  |  |  |
| Surr: 4-Bromofluorobenzene | 2.95 |      | 5.000 |  | 58.9 | 50 | 150 |  |  |  |  |

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11686</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5946</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147733</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |      |    |     |  |  |  |  |
|----------|-----|------|-------|---|------|----|-----|--|--|--|--|
| Gasoline | 102 | 2.50 | 125.0 | 0 | 81.3 | 80 | 120 |  |  |  |  |
|----------|-----|------|-------|---|------|----|-----|--|--|--|--|

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 15 of 19  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

|                            |                |                     |                  |                          |               |          |           |             |      |          |      |
|----------------------------|----------------|---------------------|------------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1310001-014CDUP | SampType: DUP  | TestCode: NWTPHGX_S | Units: mg/Kg-dry | Prep Date: 10/1/2013     | RunNo: 11686  |          |           |             |      |          |      |
| Client ID: CS3-S-1.0-W4    | Batch ID: 5946 | TestNo: NWTPH-Gx    | SW5035A          | Analysis Date: 10/1/2013 | SeqNo: 147743 |          |           |             |      |          |      |
| Analyte                    | Result         | PQL                 | SPK value        | SPK Ref Val              | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND             | 7.66                |                  |                          |               |          |           | 0           | 0    | 20       |      |

|                            |                |                     |                  |                          |               |          |           |             |      |          |      |
|----------------------------|----------------|---------------------|------------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1310001-015CDUP | SampType: DUP  | TestCode: NWTPHGX_S | Units: mg/Kg-dry | Prep Date: 10/1/2013     | RunNo: 11686  |          |           |             |      |          |      |
| Client ID: CS3-S-2.0-F1    | Batch ID: 5946 | TestNo: NWTPH-Gx    | SW5035A          | Analysis Date: 10/1/2013 | SeqNo: 147745 |          |           |             |      |          |      |
| Analyte                    | Result         | PQL                 | SPK value        | SPK Ref Val              | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND             | 8.56                |                  |                          |               |          |           | 0           | 0    | 20       |      |

|                |                |                     |              |                          |               |          |           |             |      |          |      |
|----------------|----------------|---------------------|--------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV  | TestCode: NWTPHGX_S | Units: mg/Kg | Prep Date:               | RunNo: 11686  |          |           |             |      |          |      |
| Client ID: CCV | Batch ID: 5946 | TestNo: NWTPH-Gx    | SW5035A      | Analysis Date: 10/1/2013 | SeqNo: 147746 |          |           |             |      |          |      |
| Analyte        | Result         | PQL                 | SPK value    | SPK Ref Val              | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline       | 137            | 2.50                | 150.0        | 0                        | 91.0          | 80       | 120       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310001

04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

|                            |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV-5938</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11684</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b>      | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147681</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 64.0                  | 6.67                     | 66.67               | 0                               | 96.0                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 63.3                  | 6.67                     | 66.67               | 0                               | 95.0                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 62.7                  | 6.67                     | 66.67               | 0                               | 94.0                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 69.3                  | 6.67                     | 66.67               | 0                               | 104                  | 80       | 120       |             |      |          |      |
| Chrysene                   | 69.3                  | 6.67                     | 66.67               | 0                               | 104                  | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 76.0                  | 6.67                     | 66.67               | 0                               | 114                  | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 72.0                  | 6.67                     | 66.67               | 0                               | 108                  | 80       | 120       |             |      |          |      |

|                            |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5938</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>9/30/2013</b>     | RunNo: <b>11684</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147682</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene             | 220                   | 6.67                     | 333.4               | 0                               | 66.0                 | 37.7     | 137       |             |      |          |      |

|                           |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5938</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>9/30/2013</b>     | RunNo: <b>11684</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147683</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001  
04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

|                           |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5938</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>9/30/2013</b>     | RunNo: <b>11684</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147683</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 4370                  |                          | 6667                |                                 | 65.5                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 4030                  |                          | 6667                |                                 | 60.4                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 6020                  |                          | 6667                |                                 | 90.4                 | 44.9     | 155       |             |      |          |      |

|                                  |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1309192-002BMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>9/30/2013</b>     | RunNo: <b>11684</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>          | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147686</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                   | 219                   | 6.67                     | 333.4               | 0.6667                          | 65.4                 | 64.6     | 110       |             |      |          |      |

|                                   |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1309192-002BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>9/30/2013</b>     | RunNo: <b>11684</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147687</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                    | 193                   | 6.67                     | 333.4               | 0.6667                          | 57.8                 | 64.6     | 110       | 218.7       | 12.3 | 20       | S    |

|                            |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV-5938</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11684</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b>      | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147689</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 18 of 19  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310001

04-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-5938</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11684</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147689</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 70.0                  | 6.67                     | 66.67               | 0                               | 105                  | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 67.3                  | 6.67                     | 66.67               | 0                               | 101                  | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 62.0                  | 6.67                     | 66.67               | 0                               | 93.0                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 65.3                  | 6.67                     | 66.67               | 0                               | 98.0                 | 80       | 120       |             |      |          |      |
| Chrysene                   | 72.7                  | 6.67                     | 66.67               | 0                               | 109                  | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 69.3                  | 6.67                     | 66.67               | 0                               | 104                  | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 67.3                  | 6.67                     | 66.67               | 0                               | 101                  | 80       | 120       |             |      |          |      |

| Sample ID: <b>CCB-5938</b> | SampType: <b>CCB</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11684</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCB</b>      | Batch ID: <b>5938</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/1/2013</b> | SeqNo: <b>147690</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(a)pyrene             | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene       | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene       | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Chrysene                   | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl     | 4340                  |                          | 6667                |                                 | 65.1                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5      | 4050                  |                          | 6667                |                                 | 60.8                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14      | 5840                  |                          | 6667                |                                 | 87.6                 | 44.9     | 155       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

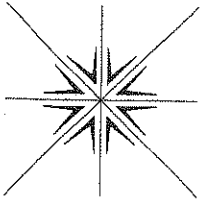
ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

# CHAIN OF CUSTODY RECORD



**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336

Contact Person/Project Manager MIKE STANIGER  
 Company MFA  
 Address 400 EAST MILL PLAIN BLVD SUITE 400  
VANCOUVER WA 98060  
 Phone 360-694-8691 Fax \_\_\_\_\_  
 Project No. 0443.02.02 Project Name WESD  
 Project Site Location OR \_\_\_\_\_ WA  Other \_\_\_\_\_  
 Invoice To MFA P.O. No. \_\_\_\_\_

Collected By: [Signature]  
 Signature [Signature]  
 Printed LINDSEY CANNON

Signature \_\_\_\_\_  
 Printed \_\_\_\_\_

Turn Around Time  
 Normal 5-7 Business Days  
 Rush 24 HR.  
 Specify \_\_\_\_\_

Rush Analyses Must Be Scheduled With The Lab In Advance

| Date    | Time | Sample I.D.  | Matrix | No. of Containers | Analyses          |                 |                 |             |                       |          |          | For Laboratory Use         |                              |                    |                                    |                                      |                                       |
|---------|------|--------------|--------|-------------------|-------------------|-----------------|-----------------|-------------|-----------------------|----------|----------|----------------------------|------------------------------|--------------------|------------------------------------|--------------------------------------|---------------------------------------|
|         |      |              |        |                   | AS, Cd, Pb - 6010 | MERCURY - SWATH | CPH - SA TO SIM | PCB, - SCOR | BENZENE, XYLENES, SOB | Comments | Lab I.D. |                            |                              |                    |                                    |                                      |                                       |
| 9/30/13 | 1315 | CSI-S-1.0-W1 | S      | 7                 | X                 | X               | X               | X           | X                     |          |          | Lab Job No. <u>1310001</u> | Shipped Via <u>Specialty</u> | Air Bill No. _____ | Temperature On Receipt <u>6</u> °C | Specialty Analytical Containers? Y/N | Specialty Analytical Trip Blanks? Y/N |
|         | 1330 | CSI-S-1.0-W2 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1345 | CSI-S-1.0-W3 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1350 | CSI-S-1.0-W4 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1400 | CSI-S-2.0-F1 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1415 | CSA-S-1.5-W1 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1430 | CSA-S-1.5-W2 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1440 | CSA-S-1.5-W3 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1450 | CSA-S-1.5-W4 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |
|         | 1500 | CSA-S-3.0-F1 |        |                   |                   |                 |                 |             |                       |          |          |                            |                              |                    |                                    |                                      |                                       |

Relinquished By: [Signature] Date 9/30/13 Time 1900  
 Company: MFA  
 Received By: MIKE BIPPES Date 10/1/13 Time 0700  
 Company: SPECIALTY  
 Relinquished By: \_\_\_\_\_ Company: \_\_\_\_\_  
 Received For Lab By: MIKE BIPPES Date 10/1/13 Time 0745

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.  
 Samples held beyond 60 days subject to storage fee(s)

# CHAIN OF CUSTODY RECORD

**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336

Contact Person/Project Manager MIKE STANGER  
 Company MFA  
 Address 400 EAST MIL PLAIN BL.

Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Project No. 0443-02-02 Project Name Varso  
 Project Site Location OR WA  Other \_\_\_\_\_  
 Invoice To MFA P.O. No. \_\_\_\_\_

Collected By: \_\_\_\_\_  
 Signature [Signature]  
 Printed Lindsay Crosby

Signature \_\_\_\_\_  
 Printed \_\_\_\_\_

Turn Around Time \_\_\_\_\_  
 Normal 5-7 Business Days  
 Rush 24 HR \_\_\_\_\_  
 Specify \_\_\_\_\_

Rush Analyses Must Be Scheduled With The Lab In Advance

| Date   | Time | Sample I.D.  | Matrix | No. of Containers | Analyses   |          |               |                 |             |  |                | For Laboratory Use |             |             |              |                        |                                  |                                   |          |
|--|------|--------------|--------|-------------------|--|----------|---------------|-----------------|-------------|--|----------------|--------------------|-------------|-------------|--------------|------------------------|----------------------------------|-----------------------------------|----------|
|  |      |              |        |                   | NIOTR-DX   | NIOTR-CX | AS. CA/PB-600 | MERCURY-SID THY | CPHS-8270SH | TPB-8080                                     | BRONATES YLDES | TCLP LEAD          | Lab Job No. | Shipped Via | Air Bill No. | Temperature On Receipt | Specialty Analytical Containers? | Specialty Analytical Trip Blanks? | Comments |
| 9/20/13  | 1540 | CSB-S-1.0-W1 | S      | 7                 | X  | X        | X             | X               | X           | X  | X              | X                  | 21000       | Specialty   |              | 6                      | °C                               |                                   |          |
|  | 1550 | CSB-S-1.0-W2 |        | 7                 | X  | X        | X             | X               | X           | X  | X              | X                  |             |             |              |                        |                                  |                                   |          |
|  | 1600 | CSB-S-1.0-W3 |        | 7                 | X  | X        | X             | X               | X           | X  | X              | X                  |             |             |              |                        |                                  |                                   |          |
|  | 1610 | CSB-S-1.0-W4 |        | 7                 | X  | X        | X             | X               | X           | X  | X              | X                  |             |             |              |                        |                                  |                                   |          |
|  | 1620 | CSB-S-2.0-F1 |        | 7                 | X  | X        | X             | X               | X           | X  | X              | X                  |             |             |              |                        |                                  |                                   |          |
|  | 1630 | SP1-S-1      |        | 1                 |  |          |               |                 |             |  |                |                    |             |             |              |                        |                                  |                                   |          |
|  | 1640 | SP1-S-2      |        | 1                 |  |          |               |                 |             |  |                |                    |             |             |              |                        |                                  |                                   |          |
|  | 1650 | SP1-S-3      |        | 1                 |  |          |               |                 |             |  |                |                    |             |             |              |                        |                                  |                                   |          |
|  | 1700 | SP1-S-4      |        | 1                 |  |          |               |                 |             |  |                |                    |             |             |              |                        |                                  |                                   |          |
| Relinquished By: <u>[Signature]</u> Date <u>9/20/13</u> Time <u>1900</u>   |      |              |        |                   | Received By: <u>Nick Pappas</u> Date _____ Time _____                      |          |               |                 |             | Relinquished By: _____ Date _____ Time _____ |                |                    |             |             |              |                        |                                  |                                   |          |
| Company: <u>MFA</u>  |      |              |        |                   | Company: <u>Specialty</u>  |          |               |                 |             | Company: _____                               |                |                    |             |             |              |                        |                                  |                                   |          |
| Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fee(s) |      |              |        |                   | Received For Lab By: <u>Nick Pappas</u> Date <u>10/13</u> Time <u>0745</u> |          |               |                 |             |  |                |                    |             |             |              |                        |                                  |                                   |          |



# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

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October 11, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.02

Dear Mike Stringer:

Order No.: 1310029

Specialty Analytical received 12 sample(s) on 10/2/2013 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is cursive and somewhat stylized.

Marty French  
Lab Director

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-001  
**Client Sample ID:** CS4-S-1.5-W1

**Collection Date:** 10/1/2013 1:30:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | ND     | 20.3            |      | mg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Lube Oil                             | 74.4   | 67.8            | A2   | mg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Surr: o-Terphenyl                    | 77.1   | 50-150          |      | %REC      | 1  | 10/2/2013 4:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.015           |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.92            |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 56.3   | 42.6-126        |      | %REC      | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 7.73            |      | mg/Kg-dry | 1  | 10/2/2013 11:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 59.1   | 50-150          |      | %REC      | 1  | 10/2/2013 11:00:00 AM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | ND     | 2.34            |      | mg/Kg-dry | 1  | 10/3/2013 3:25:25 PM  |
| Cadmium                              | 0.140  | 0.117           |      | mg/Kg-dry | 1  | 10/3/2013 3:25:25 PM  |
| Lead                                 | 163    | 2.34            |      | mg/Kg-dry | 1  | 10/3/2013 3:25:25 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.277  | 0.0218          |      | mg/Kg-dry | 1  | 10/11/2013 8:18:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | 31.6   | 9.04            |      | µg/Kg-dry | 1  | 10/2/2013 6:58:00 PM  |
| Benzo(a)pyrene                       | 9.94   | 9.04            |      | µg/Kg-dry | 1  | 10/2/2013 6:58:00 PM  |
| Benzo(b)fluoranthene                 | 16.3   | 9.04            |      | µg/Kg-dry | 1  | 10/2/2013 6:58:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.04            |      | µg/Kg-dry | 1  | 10/2/2013 6:58:00 PM  |
| Chrysene                             | 45.2   | 9.04            |      | µg/Kg-dry | 1  | 10/2/2013 6:58:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.04            |      | µg/Kg-dry | 1  | 10/2/2013 6:58:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.04            |      | µg/Kg-dry | 1  | 10/2/2013 6:58:00 PM  |
| Surr: 2-Fluorobiphenyl               | 64.5   | 42.6-128        |      | %REC      | 1  | 10/2/2013 6:58:00 PM  |
| Surr: Nitrobenzene-d5                | 55.5   | 21.7-155        |      | %REC      | 1  | 10/2/2013 6:58:00 PM  |
| Surr: p-Terphenyl-d14                | 50.3   | 44.9-155        |      | %REC      | 1  | 10/2/2013 6:58:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Aroclor 1221                         | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Aroclor 1232                         | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Aroclor 1242                         | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Aroclor 1248                         | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Aroclor 1254                         | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |



# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-001  
**Client Sample ID:** CS4-S-1.5-W1

**Collection Date:** 10/1/2013 1:30:00 PM

**Matrix:** SOIL

---

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM |
| Aroclor 1262             | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM |
| Aroclor 1268             | ND     | 0.451           |      | µg/Kg-dry | 1  | 10/2/2013 4:00:00 PM |
| Surr: Decachlorobiphenyl | 57.6   | 56.5-130        |      | %REC      | 1  | 10/2/2013 4:00:00 PM |

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# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-002  
**Client Sample ID:** CS4-S-1.5-W2

**Collection Date:** 10/1/2013 2:00:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | ND     | 22.7            |      | mg/Kg-dry | 1  | 10/2/2013 4:20:00 PM  |
| Lube Oil                             | ND     | 75.7            |      | mg/Kg-dry | 1  | 10/2/2013 4:20:00 PM  |
| Surr: o-Terphenyl                    | 70.6   | 50-150          |      | %REC      | 1  | 10/2/2013 4:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.019           |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 1.1             |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 54.4   | 42.6-126        |      | %REC      | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 9.53            |      | mg/Kg-dry | 1  | 10/2/2013 12:00:00 PM |
| Surr: 4-Bromofluorobenzene           | 56.1   | 50-150          |      | %REC      | 1  | 10/2/2013 12:00:00 PM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | 2.80   | 2.36            |      | mg/Kg-dry | 1  | 10/3/2013 3:30:24 PM  |
| Cadmium                              | ND     | 0.118           |      | mg/Kg-dry | 1  | 10/3/2013 3:30:24 PM  |
| Lead                                 | ND     | 2.36            |      | mg/Kg-dry | 1  | 10/3/2013 3:30:24 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.0868 | 0.0234          |      | mg/Kg-dry | 1  | 10/11/2013 8:22:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 10.1            |      | µg/Kg-dry | 1  | 10/2/2013 2:12:00 PM  |
| Benzo(a)pyrene                       | ND     | 10.1            |      | µg/Kg-dry | 1  | 10/2/2013 2:12:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 10.1            |      | µg/Kg-dry | 1  | 10/2/2013 2:12:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 10.1            |      | µg/Kg-dry | 1  | 10/2/2013 2:12:00 PM  |
| Chrysene                             | ND     | 10.1            |      | µg/Kg-dry | 1  | 10/2/2013 2:12:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 10.1            |      | µg/Kg-dry | 1  | 10/2/2013 2:12:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 10.1            |      | µg/Kg-dry | 1  | 10/2/2013 2:12:00 PM  |
| Surr: 2-Fluorobiphenyl               | 53.4   | 42.6-128        |      | %REC      | 1  | 10/2/2013 2:12:00 PM  |
| Surr: Nitrobenzene-d5                | 51.4   | 21.7-155        |      | %REC      | 1  | 10/2/2013 2:12:00 PM  |
| Surr: p-Terphenyl-d14                | 42.0   | 44.9-155        | S    | %REC      | 1  | 10/2/2013 2:12:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM  |
| Aroclor 1221                         | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM  |
| Aroclor 1232                         | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM  |
| Aroclor 1242                         | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM  |
| Aroclor 1248                         | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM  |
| Aroclor 1254                         | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/1/2013 2:00:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310029-002

Client Sample ID: CS4-S-1.5-W2

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM |
| Aroclor 1262             | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM |
| Aroclor 1268             | ND     | 0.504           |      | µg/Kg-dry | 1  | 10/2/2013 4:18:00 PM |
| Surr: Decachlorobiphenyl | 59.4   | 56.5-130        |      | %REC      | 1  | 10/2/2013 4:18:00 PM |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-004  
**Client Sample ID:** CS4-S-1.5-W4

**Collection Date:** 10/1/2013 2:30:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 16.9            |      | mg/Kg-dry           | 1  | 10/2/2013 5:00:00 PM  |
| Lube Oil                             | ND     | 56.4            |      | mg/Kg-dry           | 1  | 10/2/2013 5:00:00 PM  |
| Surr: o-Terphenyl                    | 69.3   | 50-150          |      | %REC                | 1  | 10/2/2013 5:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.011           |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.69            |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 59.3   | 42.6-126        |      | %REC                | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 5.70            |      | mg/Kg-dry           | 1  | 10/2/2013 12:30:00 PM |
| Surr: 4-Bromofluorobenzene           | 62.1   | 50-150          |      | %REC                | 1  | 10/2/2013 12:30:00 PM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 1.76            |      | mg/Kg-dry           | 1  | 10/3/2013 3:40:36 PM  |
| Cadmium                              | 0.485  | 0.0882          |      | mg/Kg-dry           | 1  | 10/3/2013 3:40:36 PM  |
| Lead                                 | 6.24   | 1.76            |      | mg/Kg-dry           | 1  | 10/3/2013 3:40:36 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.112  | 0.0189          |      | mg/Kg-dry           | 1  | 10/11/2013 9:02:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | 8.28   | 7.53            |      | µg/Kg-dry           | 1  | 10/3/2013 10:30:00 AM |
| Benzo(a)pyrene                       | ND     | 7.53            |      | µg/Kg-dry           | 1  | 10/3/2013 10:30:00 AM |
| Benzo(b)fluoranthene                 | 14.3   | 7.53            |      | µg/Kg-dry           | 1  | 10/3/2013 10:30:00 AM |
| Benzo(k)fluoranthene                 | ND     | 7.53            |      | µg/Kg-dry           | 1  | 10/3/2013 10:30:00 AM |
| Chrysene                             | 114    | 7.53            |      | µg/Kg-dry           | 1  | 10/3/2013 10:30:00 AM |
| Dibenz(a,h)anthracene                | ND     | 7.53            |      | µg/Kg-dry           | 1  | 10/3/2013 10:30:00 AM |
| Indeno(1,2,3-cd)pyrene               | ND     | 7.53            |      | µg/Kg-dry           | 1  | 10/3/2013 10:30:00 AM |
| Surr: 2-Fluorobiphenyl               | 68.0   | 42.6-128        |      | %REC                | 1  | 10/3/2013 10:30:00 AM |
| Surr: Nitrobenzene-d5                | 56.6   | 21.7-155        |      | %REC                | 1  | 10/3/2013 10:30:00 AM |
| Surr: p-Terphenyl-d14                | 41.5   | 44.9-155        | S    | %REC                | 1  | 10/3/2013 10:30:00 AM |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.376           |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Aroclor 1221                         | ND     | 0.376           |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Aroclor 1232                         | ND     | 0.376           |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Aroclor 1242                         | ND     | 0.376           |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Aroclor 1248                         | ND     | 0.376           |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Aroclor 1254                         | 5.42   | 0.376           |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/1/2013 2:30:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310029-004

Client Sample ID: CS4-S-1.5-W4

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.376           |      | µg/Kg-dry | 1  | 10/2/2013 4:36:00 PM |
| Aroclor 1262             | ND     | 0.376           |      | µg/Kg-dry | 1  | 10/2/2013 4:36:00 PM |
| Aroclor 1268             | ND     | 0.376           |      | µg/Kg-dry | 1  | 10/2/2013 4:36:00 PM |
| Surr: Decachlorobiphenyl | 67.7   | 56.5-130        |      | %REC      | 1  | 10/2/2013 4:36:00 PM |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-005  
**Client Sample ID:** CS4-S-1.5-W5

**Collection Date:** 10/1/2013 2:40:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 17.3            |      | mg/Kg-dry           | 1  | 10/2/2013 5:20:00 PM  |
| Lube Oil                             | ND     | 57.7            |      | mg/Kg-dry           | 1  | 10/2/2013 5:20:00 PM  |
| Surr: o-Terphenyl                    | 69.3   | 50-150          |      | %REC                | 1  | 10/2/2013 5:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.0071          |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.43            |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 81.4   | 42.6-126        |      | %REC                | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 3.58            |      | mg/Kg-dry           | 1  | 10/2/2013 1:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 88.6   | 50-150          |      | %REC                | 1  | 10/2/2013 1:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 1.86            |      | mg/Kg-dry           | 1  | 10/3/2013 3:45:36 PM  |
| Cadmium                              | 0.531  | 0.0931          |      | mg/Kg-dry           | 1  | 10/3/2013 3:45:36 PM  |
| Lead                                 | 8.73   | 1.86            |      | mg/Kg-dry           | 1  | 10/3/2013 3:45:36 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.157  | 0.0185          |      | mg/Kg-dry           | 1  | 10/11/2013 8:26:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 7.70            |      | µg/Kg-dry           | 1  | 10/2/2013 3:10:00 PM  |
| Benzo(a)pyrene                       | ND     | 7.70            |      | µg/Kg-dry           | 1  | 10/2/2013 3:10:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 7.70            |      | µg/Kg-dry           | 1  | 10/2/2013 3:10:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 7.70            |      | µg/Kg-dry           | 1  | 10/2/2013 3:10:00 PM  |
| Chrysene                             | ND     | 7.70            |      | µg/Kg-dry           | 1  | 10/2/2013 3:10:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 7.70            |      | µg/Kg-dry           | 1  | 10/2/2013 3:10:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 7.70            |      | µg/Kg-dry           | 1  | 10/2/2013 3:10:00 PM  |
| Surr: 2-Fluorobiphenyl               | 56.1   | 42.6-128        |      | %REC                | 1  | 10/2/2013 3:10:00 PM  |
| Surr: Nitrobenzene-d5                | 52.7   | 21.7-155        |      | %REC                | 1  | 10/2/2013 3:10:00 PM  |
| Surr: p-Terphenyl-d14                | 45.0   | 44.9-155        |      | %REC                | 1  | 10/2/2013 3:10:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.384           |      | µg/Kg-dry           | 1  | 10/2/2013 4:54:00 PM  |
| Aroclor 1221                         | ND     | 0.384           |      | µg/Kg-dry           | 1  | 10/2/2013 4:54:00 PM  |
| Aroclor 1232                         | ND     | 0.384           |      | µg/Kg-dry           | 1  | 10/2/2013 4:54:00 PM  |
| Aroclor 1242                         | ND     | 0.384           |      | µg/Kg-dry           | 1  | 10/2/2013 4:54:00 PM  |
| Aroclor 1248                         | ND     | 0.384           |      | µg/Kg-dry           | 1  | 10/2/2013 4:54:00 PM  |
| Aroclor 1254                         | ND     | 0.384           |      | µg/Kg-dry           | 1  | 10/2/2013 4:54:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-005  
**Client Sample ID:** CS4-S-1.5-W5

**Collection Date:** 10/1/2013 2:40:00 PM

**Matrix:** SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.384           |      | µg/Kg-dry | 1  | 10/2/2013 4:54:00 PM |
| Aroclor 1262             | ND     | 0.384           |      | µg/Kg-dry | 1  | 10/2/2013 4:54:00 PM |
| Aroclor 1268             | ND     | 0.384           |      | µg/Kg-dry | 1  | 10/2/2013 4:54:00 PM |
| Surr: Decachlorobiphenyl | 57.2   | 56.5-130        |      | %REC      | 1  | 10/2/2013 4:54:00 PM |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-006  
**Client Sample ID:** CS5-S-2.0-W1

**Collection Date:** 10/1/2013 3:50:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 65.6   | 17.7            | K    | mg/Kg-dry | 1  | 10/2/2013 5:40:00 PM  |
| Lube Oil                             | 185    | 59.1            |      | mg/Kg-dry | 1  | 10/2/2013 5:40:00 PM  |
| Surr: o-Terphenyl                    | 79.4   | 50-150          |      | %REC      | 1  | 10/2/2013 5:40:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.012           |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.72            |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 59.6   | 42.6-126        |      | %REC      | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | 10.8   | 5.97            |      | mg/Kg-dry | 1  | 10/2/2013 1:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 62.0   | 50-150          |      | %REC      | 1  | 10/2/2013 1:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | 2.81   | 2.27            |      | mg/Kg-dry | 1  | 10/3/2013 3:50:36 PM  |
| Cadmium                              | 1.53   | 0.114           |      | mg/Kg-dry | 1  | 10/3/2013 3:50:36 PM  |
| Lead                                 | 149    | 2.27            |      | mg/Kg-dry | 1  | 10/3/2013 3:50:36 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.448  | 0.0190          |      | mg/Kg-dry | 1  | 10/11/2013 8:30:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | 11.0   | 7.88            |      | µg/Kg-dry | 1  | 10/2/2013 3:38:00 PM  |
| Benzo(a)pyrene                       | ND     | 7.88            |      | µg/Kg-dry | 1  | 10/2/2013 3:38:00 PM  |
| Benzo(b)fluoranthene                 | 17.3   | 7.88            |      | µg/Kg-dry | 1  | 10/2/2013 3:38:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 7.88            |      | µg/Kg-dry | 1  | 10/2/2013 3:38:00 PM  |
| Chrysene                             | 122    | 7.88            |      | µg/Kg-dry | 1  | 10/2/2013 3:38:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 7.88            |      | µg/Kg-dry | 1  | 10/2/2013 3:38:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 7.88            |      | µg/Kg-dry | 1  | 10/2/2013 3:38:00 PM  |
| Surr: 2-Fluorobiphenyl               | 67.9   | 42.6-128        |      | %REC      | 1  | 10/2/2013 3:38:00 PM  |
| Surr: Nitrobenzene-d5                | 55.6   | 21.7-155        |      | %REC      | 1  | 10/2/2013 3:38:00 PM  |
| Surr: p-Terphenyl-d14                | 46.3   | 44.9-155        |      | %REC      | 1  | 10/2/2013 3:38:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM  |
| Aroclor 1221                         | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM  |
| Aroclor 1232                         | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM  |
| Aroclor 1242                         | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM  |
| Aroclor 1248                         | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM  |
| Aroclor 1254                         | 985    | 19.7            |      | µg/Kg-dry | 50 | 10/3/2013 9:40:00 AM  |



# Specialty Analytical

Date Reported: 11-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/1/2013 3:50:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310029-006

Client Sample ID: CS5-S-2.0-W1

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM |
| Aroclor 1262             | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM |
| Aroclor 1268             | ND     | 0.393           |      | µg/Kg-dry | 1  | 10/2/2013 5:12:00 PM |
| Surr: Decachlorobiphenyl | 87.2   | 56.5-130        |      | %REC      | 1  | 10/2/2013 5:12:00 PM |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-007  
**Client Sample ID:** CS5-S-2.0-W2

**Collection Date:** 10/1/2013 4:00:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 21.1            |      | mg/Kg-dry           | 1  | 10/2/2013 6:00:00 PM  |
| Lube Oil                             | ND     | 70.3            |      | mg/Kg-dry           | 1  | 10/2/2013 6:00:00 PM  |
| Surr: o-Terphenyl                    | 74.4   | 50-150          |      | %REC                | 1  | 10/2/2013 6:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.016           |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.94            |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 56.0   | 42.6-126        |      | %REC                | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 7.80            |      | mg/Kg-dry           | 1  | 10/2/2013 2:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 59.1   | 50-150          |      | %REC                | 1  | 10/2/2013 2:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.51            |      | mg/Kg-dry           | 1  | 10/3/2013 3:55:35 PM  |
| Cadmium                              | ND     | 0.126           |      | mg/Kg-dry           | 1  | 10/3/2013 3:55:35 PM  |
| Lead                                 | ND     | 2.51            |      | mg/Kg-dry           | 1  | 10/3/2013 3:55:35 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.155  | 0.0235          |      | mg/Kg-dry           | 1  | 10/11/2013 8:34:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.38            |      | µg/Kg-dry           | 1  | 10/2/2013 4:07:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.38            |      | µg/Kg-dry           | 1  | 10/2/2013 4:07:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.38            |      | µg/Kg-dry           | 1  | 10/2/2013 4:07:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.38            |      | µg/Kg-dry           | 1  | 10/2/2013 4:07:00 PM  |
| Chrysene                             | ND     | 9.38            |      | µg/Kg-dry           | 1  | 10/2/2013 4:07:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.38            |      | µg/Kg-dry           | 1  | 10/2/2013 4:07:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.38            |      | µg/Kg-dry           | 1  | 10/2/2013 4:07:00 PM  |
| Surr: 2-Fluorobiphenyl               | 46.8   | 42.6-128        |      | %REC                | 1  | 10/2/2013 4:07:00 PM  |
| Surr: Nitrobenzene-d5                | 48.1   | 21.7-155        |      | %REC                | 1  | 10/2/2013 4:07:00 PM  |
| Surr: p-Terphenyl-d14                | 42.6   | 44.9-155        | S    | %REC                | 1  | 10/2/2013 4:07:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.468           |      | µg/Kg-dry           | 1  | 10/2/2013 5:30:00 PM  |
| Aroclor 1221                         | ND     | 0.468           |      | µg/Kg-dry           | 1  | 10/2/2013 5:30:00 PM  |
| Aroclor 1232                         | ND     | 0.468           |      | µg/Kg-dry           | 1  | 10/2/2013 5:30:00 PM  |
| Aroclor 1242                         | ND     | 0.468           |      | µg/Kg-dry           | 1  | 10/2/2013 5:30:00 PM  |
| Aroclor 1248                         | ND     | 0.468           |      | µg/Kg-dry           | 1  | 10/2/2013 5:30:00 PM  |
| Aroclor 1254                         | ND     | 0.468           |      | µg/Kg-dry           | 1  | 10/2/2013 5:30:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-007  
**Client Sample ID:** CS5-S-2.0-W2

**Collection Date:** 10/1/2013 4:00:00 PM

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.468           |      | µg/Kg-dry | 1  | 10/2/2013 5:30:00 PM |
| Aroclor 1262             | ND     | 0.468           |      | µg/Kg-dry | 1  | 10/2/2013 5:30:00 PM |
| Aroclor 1268             | ND     | 0.468           |      | µg/Kg-dry | 1  | 10/2/2013 5:30:00 PM |
| Surr: Decachlorobiphenyl | 86.3   | 56.5-130        |      | %REC      | 1  | 10/2/2013 5:30:00 PM |

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# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-008  
**Client Sample ID:** CS5-S-2.0-W3

**Collection Date:** 10/1/2013 4:10:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 22.4            |      | mg/Kg-dry           | 1  | 10/2/2013 6:20:00 PM  |
| Lube Oil                             | ND     | 74.7            |      | mg/Kg-dry           | 1  | 10/2/2013 6:20:00 PM  |
| Surr: o-Terphenyl                    | 75.8   | 50-150          |      | %REC                | 1  | 10/2/2013 6:20:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.016           |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.96            |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 54.2   | 42.6-126        |      | %REC                | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 7.99            |      | mg/Kg-dry           | 1  | 10/2/2013 2:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 59.2   | 50-150          |      | %REC                | 1  | 10/2/2013 2:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | 3.31   | 2.67            |      | mg/Kg-dry           | 1  | 10/3/2013 4:00:36 PM  |
| Cadmium                              | ND     | 0.133           |      | mg/Kg-dry           | 1  | 10/3/2013 4:00:36 PM  |
| Lead                                 | 8.26   | 2.67            |      | mg/Kg-dry           | 1  | 10/3/2013 4:00:36 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.108  | 0.0231          |      | mg/Kg-dry           | 1  | 10/11/2013 8:38:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 9.97            |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.97            |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.97            |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.97            |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Chrysene                             | ND     | 9.97            |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.97            |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.97            |      | µg/Kg-dry           | 1  | 10/2/2013 4:36:00 PM  |
| Surr: 2-Fluorobiphenyl               | 47.5   | 42.6-128        |      | %REC                | 1  | 10/2/2013 4:36:00 PM  |
| Surr: Nitrobenzene-d5                | 49.3   | 21.7-155        |      | %REC                | 1  | 10/2/2013 4:36:00 PM  |
| Surr: p-Terphenyl-d14                | 41.3   | 44.9-155        | S    | %REC                | 1  | 10/2/2013 4:36:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.498           |      | µg/Kg-dry           | 1  | 10/2/2013 5:48:00 PM  |
| Aroclor 1221                         | ND     | 0.498           |      | µg/Kg-dry           | 1  | 10/2/2013 5:48:00 PM  |
| Aroclor 1232                         | ND     | 0.498           |      | µg/Kg-dry           | 1  | 10/2/2013 5:48:00 PM  |
| Aroclor 1242                         | ND     | 0.498           |      | µg/Kg-dry           | 1  | 10/2/2013 5:48:00 PM  |
| Aroclor 1248                         | ND     | 0.498           |      | µg/Kg-dry           | 1  | 10/2/2013 5:48:00 PM  |
| Aroclor 1254                         | 3.09   | 0.498           |      | µg/Kg-dry           | 1  | 10/2/2013 5:48:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/1/2013 4:10:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310029-008

Client Sample ID: CS5-S-2.0-W3

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.498           |      | µg/Kg-dry | 1  | 10/2/2013 5:48:00 PM |
| Aroclor 1262             | ND     | 0.498           |      | µg/Kg-dry | 1  | 10/2/2013 5:48:00 PM |
| Aroclor 1268             | ND     | 0.498           |      | µg/Kg-dry | 1  | 10/2/2013 5:48:00 PM |
| Surr: Decachlorobiphenyl | 56.1   | 56.5-130        | S    | %REC      | 1  | 10/2/2013 5:48:00 PM |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-009  
**Client Sample ID:** CS5-S-2.0-W4

**Collection Date:** 10/1/2013 4:20:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 19.7            |      | mg/Kg-dry           | 1  | 10/2/2013 6:40:00 PM  |
| Lube Oil                             | ND     | 65.8            |      | mg/Kg-dry           | 1  | 10/2/2013 6:40:00 PM  |
| Surr: o-Terphenyl                    | 68.6   | 50-150          |      | %REC                | 1  | 10/2/2013 6:40:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.012           |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.69            |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 58.0   | 42.6-126        |      | %REC                | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 5.79            |      | mg/Kg-dry           | 1  | 10/2/2013 3:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 60.1   | 50-150          |      | %REC                | 1  | 10/2/2013 3:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | 3.44   | 2.05            |      | mg/Kg-dry           | 1  | 10/3/2013 4:20:59 PM  |
| Cadmium                              | ND     | 0.103           |      | mg/Kg-dry           | 1  | 10/3/2013 4:20:59 PM  |
| Lead                                 | ND     | 2.05            |      | mg/Kg-dry           | 1  | 10/3/2013 4:20:59 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.165  | 0.0203          |      | mg/Kg-dry           | 1  | 10/11/2013 8:42:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 8.77            |      | µg/Kg-dry           | 1  | 10/2/2013 6:30:00 PM  |
| Benzo(a)pyrene                       | ND     | 8.77            |      | µg/Kg-dry           | 1  | 10/2/2013 6:30:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 8.77            |      | µg/Kg-dry           | 1  | 10/2/2013 6:30:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 8.77            |      | µg/Kg-dry           | 1  | 10/2/2013 6:30:00 PM  |
| Chrysene                             | ND     | 8.77            |      | µg/Kg-dry           | 1  | 10/2/2013 6:30:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 8.77            |      | µg/Kg-dry           | 1  | 10/2/2013 6:30:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 8.77            |      | µg/Kg-dry           | 1  | 10/2/2013 6:30:00 PM  |
| Surr: 2-Fluorobiphenyl               | 44.3   | 42.6-128        |      | %REC                | 1  | 10/2/2013 6:30:00 PM  |
| Surr: Nitrobenzene-d5                | 36.3   | 21.7-155        |      | %REC                | 1  | 10/2/2013 6:30:00 PM  |
| Surr: p-Terphenyl-d14                | 29.5   | 44.9-155        | S    | %REC                | 1  | 10/2/2013 6:30:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.438           |      | µg/Kg-dry           | 1  | 10/2/2013 6:06:00 PM  |
| Aroclor 1221                         | ND     | 0.438           |      | µg/Kg-dry           | 1  | 10/2/2013 6:06:00 PM  |
| Aroclor 1232                         | ND     | 0.438           |      | µg/Kg-dry           | 1  | 10/2/2013 6:06:00 PM  |
| Aroclor 1242                         | ND     | 0.438           |      | µg/Kg-dry           | 1  | 10/2/2013 6:06:00 PM  |
| Aroclor 1248                         | ND     | 0.438           |      | µg/Kg-dry           | 1  | 10/2/2013 6:06:00 PM  |
| Aroclor 1254                         | 2.37   | 0.438           |      | µg/Kg-dry           | 1  | 10/2/2013 6:06:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-009  
**Client Sample ID:** CS5-S-2.0-W4

**Collection Date:** 10/1/2013 4:20:00 PM

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.438           |      | µg/Kg-dry | 1  | 10/2/2013 6:06:00 PM |
| Aroclor 1262             | ND     | 0.438           |      | µg/Kg-dry | 1  | 10/2/2013 6:06:00 PM |
| Aroclor 1268             | ND     | 0.438           |      | µg/Kg-dry | 1  | 10/2/2013 6:06:00 PM |
| Surr: Decachlorobiphenyl | 62.7   | 56.5-130        |      | %REC      | 1  | 10/2/2013 6:06:00 PM |

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# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-010  
**Client Sample ID:** CS5-S-2.0-W5

**Collection Date:** 10/1/2013 4:37:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 25.0            |      | mg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |
| Lube Oil                             | ND     | 83.2            |      | mg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |
| Surr: o-Terphenyl                    | 77.8   | 50-150          |      | %REC                | 1  | 10/2/2013 7:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.018           |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 1.1             |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 52.7   | 42.6-126        |      | %REC                | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 8.99            |      | mg/Kg-dry           | 1  | 10/2/2013 3:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 57.9   | 50-150          |      | %REC                | 1  | 10/2/2013 3:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.97            |      | mg/Kg-dry           | 1  | 10/3/2013 4:25:58 PM  |
| Cadmium                              | 0.357  | 0.149           |      | mg/Kg-dry           | 1  | 10/3/2013 4:25:58 PM  |
| Lead                                 | 9.75   | 2.97            |      | mg/Kg-dry           | 1  | 10/3/2013 4:25:58 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.187  | 0.0267          |      | mg/Kg-dry           | 1  | 10/11/2013 8:46:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | 13.3   | 11.1            |      | µg/Kg-dry           | 1  | 10/2/2013 5:04:00 PM  |
| Benzo(a)pyrene                       | ND     | 11.1            |      | µg/Kg-dry           | 1  | 10/2/2013 5:04:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 11.1            |      | µg/Kg-dry           | 1  | 10/2/2013 5:04:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 11.1            |      | µg/Kg-dry           | 1  | 10/2/2013 5:04:00 PM  |
| Chrysene                             | 16.6   | 11.1            |      | µg/Kg-dry           | 1  | 10/2/2013 5:04:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 11.1            |      | µg/Kg-dry           | 1  | 10/2/2013 5:04:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 11.1            |      | µg/Kg-dry           | 1  | 10/2/2013 5:04:00 PM  |
| Surr: 2-Fluorobiphenyl               | 45.8   | 42.6-128        |      | %REC                | 1  | 10/2/2013 5:04:00 PM  |
| Surr: Nitrobenzene-d5                | 49.2   | 21.7-155        |      | %REC                | 1  | 10/2/2013 5:04:00 PM  |
| Surr: p-Terphenyl-d14                | 45.4   | 44.9-155        |      | %REC                | 1  | 10/2/2013 5:04:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.554           |      | µg/Kg-dry           | 1  | 10/2/2013 6:24:00 PM  |
| Aroclor 1221                         | ND     | 0.554           |      | µg/Kg-dry           | 1  | 10/2/2013 6:24:00 PM  |
| Aroclor 1232                         | ND     | 0.554           |      | µg/Kg-dry           | 1  | 10/2/2013 6:24:00 PM  |
| Aroclor 1242                         | ND     | 0.554           |      | µg/Kg-dry           | 1  | 10/2/2013 6:24:00 PM  |
| Aroclor 1248                         | ND     | 0.554           |      | µg/Kg-dry           | 1  | 10/2/2013 6:24:00 PM  |
| Aroclor 1254                         | 4.44   | 0.554           |      | µg/Kg-dry           | 1  | 10/2/2013 6:24:00 PM  |



# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-010  
**Client Sample ID:** CS5-S-2.0-W5

**Collection Date:** 10/1/2013 4:37:00 PM

**Matrix:** SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.554           |      | µg/Kg-dry | 1  | 10/2/2013 6:24:00 PM |
| Aroclor 1262             | ND     | 0.554           |      | µg/Kg-dry | 1  | 10/2/2013 6:24:00 PM |
| Aroclor 1268             | ND     | 0.554           |      | µg/Kg-dry | 1  | 10/2/2013 6:24:00 PM |
| Surr: Decachlorobiphenyl | 66.0   | 56.5-130        |      | %REC      | 1  | 10/2/2013 6:24:00 PM |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-011  
**Client Sample ID:** CS5-S-4.0-F1

**Collection Date:** 10/1/2013 4:40:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | ND     | 21.1            |      | mg/Kg-dry | 1  | 10/2/2013 7:40:00 PM  |
| Lube Oil                             | ND     | 70.5            |      | mg/Kg-dry | 1  | 10/2/2013 7:40:00 PM  |
| Surr: o-Terphenyl                    | 76.5   | 50-150          |      | %REC      | 1  | 10/2/2013 7:40:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | ND     | 0.015           |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 0.90            |      | mg/Kg-dry | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 54.4   | 42.6-126        |      | %REC      | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 7.47            |      | mg/Kg-dry | 1  | 10/2/2013 4:00:00 PM  |
| Surr: 4-Bromofluorobenzene           | 58.8   | 50-150          |      | %REC      | 1  | 10/2/2013 4:00:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | 3.96   | 2.14            |      | mg/Kg-dry | 1  | 10/3/2013 4:30:59 PM  |
| Cadmium                              | ND     | 0.107           |      | mg/Kg-dry | 1  | 10/3/2013 4:30:59 PM  |
| Lead                                 | ND     | 2.14            |      | mg/Kg-dry | 1  | 10/3/2013 4:30:59 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.198  | 0.0235          |      | mg/Kg-dry | 1  | 10/11/2013 8:50:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | ND     | 9.40            |      | µg/Kg-dry | 1  | 10/2/2013 5:33:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.40            |      | µg/Kg-dry | 1  | 10/2/2013 5:33:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.40            |      | µg/Kg-dry | 1  | 10/2/2013 5:33:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.40            |      | µg/Kg-dry | 1  | 10/2/2013 5:33:00 PM  |
| Chrysene                             | ND     | 9.40            |      | µg/Kg-dry | 1  | 10/2/2013 5:33:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.40            |      | µg/Kg-dry | 1  | 10/2/2013 5:33:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.40            |      | µg/Kg-dry | 1  | 10/2/2013 5:33:00 PM  |
| Surr: 2-Fluorobiphenyl               | 48.6   | 42.6-128        |      | %REC      | 1  | 10/2/2013 5:33:00 PM  |
| Surr: Nitrobenzene-d5                | 52.9   | 21.7-155        |      | %REC      | 1  | 10/2/2013 5:33:00 PM  |
| Surr: p-Terphenyl-d14                | 40.8   | 44.9-155        | S    | %REC      | 1  | 10/2/2013 5:33:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM  |
| Aroclor 1221                         | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM  |
| Aroclor 1232                         | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM  |
| Aroclor 1242                         | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM  |
| Aroclor 1248                         | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM  |
| Aroclor 1254                         | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/1/2013 4:40:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310029-011

Client Sample ID: CS5-S-4.0-F1

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: JRC         |
| Aroclor 1260             | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM |
| Aroclor 1262             | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM |
| Aroclor 1268             | ND     | 0.469           |      | µg/Kg-dry | 1  | 10/2/2013 6:42:00 PM |
| Surr: Decachlorobiphenyl | 58.3   | 56.5-130        |      | %REC      | 1  | 10/2/2013 6:42:00 PM |

# Specialty Analytical

Date Reported: 11-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310029-012  
**Client Sample ID:** CS4-S-3.0-F1

**Collection Date:** 10/1/2013 2:45:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Units               | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|---------------------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Diesel                               | ND     | 22.9            |      | mg/Kg-dry           | 1  | 10/2/2013 8:00:00 PM  |
| Lube Oil                             | ND     | 76.3            |      | mg/Kg-dry           | 1  | 10/2/2013 8:00:00 PM  |
| Surr: o-Terphenyl                    | 69.5   | 50-150          |      | %REC                | 1  | 10/2/2013 8:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                       |
| Benzene                              | ND     | 0.017           |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Xylenes, Total                       | ND     | 1.0             |      | mg/Kg-dry           | 1  | 10/2/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene           | 55.1   | 42.6-126        |      | %REC                | 1  | 10/2/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                       |
| Gasoline                             | ND     | 8.46            |      | mg/Kg-dry           | 1  | 10/2/2013 4:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 59.5   | 50-150          |      | %REC                | 1  | 10/2/2013 4:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                       |
| Arsenic                              | ND     | 2.63            |      | mg/Kg-dry           | 1  | 10/3/2013 4:35:58 PM  |
| Cadmium                              | ND     | 0.131           |      | mg/Kg-dry           | 1  | 10/3/2013 4:35:58 PM  |
| Lead                                 | ND     | 2.63            |      | mg/Kg-dry           | 1  | 10/3/2013 4:35:58 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                       |
| Mercury                              | 0.146  | 0.0236          |      | mg/Kg-dry           | 1  | 10/11/2013 8:54:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                       |
| Benz(a)anthracene                    | ND     | 10.2            |      | µg/Kg-dry           | 1  | 10/2/2013 6:01:00 PM  |
| Benzo(a)pyrene                       | ND     | 10.2            |      | µg/Kg-dry           | 1  | 10/2/2013 6:01:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 10.2            |      | µg/Kg-dry           | 1  | 10/2/2013 6:01:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 10.2            |      | µg/Kg-dry           | 1  | 10/2/2013 6:01:00 PM  |
| Chrysene                             | ND     | 10.2            |      | µg/Kg-dry           | 1  | 10/2/2013 6:01:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 10.2            |      | µg/Kg-dry           | 1  | 10/2/2013 6:01:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 10.2            |      | µg/Kg-dry           | 1  | 10/2/2013 6:01:00 PM  |
| Surr: 2-Fluorobiphenyl               | 44.0   | 42.6-128        |      | %REC                | 1  | 10/2/2013 6:01:00 PM  |
| Surr: Nitrobenzene-d5                | 49.3   | 21.7-155        |      | %REC                | 1  | 10/2/2013 6:01:00 PM  |
| Surr: p-Terphenyl-d14                | 46.2   | 44.9-155        |      | %REC                | 1  | 10/2/2013 6:01:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                       |
| Aroclor 1016                         | ND     | 0.508           |      | µg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |
| Aroclor 1221                         | ND     | 0.508           |      | µg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |
| Aroclor 1232                         | ND     | 0.508           |      | µg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |
| Aroclor 1242                         | ND     | 0.508           |      | µg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |
| Aroclor 1248                         | ND     | 0.508           |      | µg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |
| Aroclor 1254                         | ND     | 0.508           |      | µg/Kg-dry           | 1  | 10/2/2013 7:00:00 PM  |

# Specialty Analytical

Date Reported: 11-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/1/2013 2:45:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310029-012

Client Sample ID: CS4-S-3.0-F1

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.508           |      | µg/Kg-dry | 1  | 10/2/2013 7:00:00 PM |
| Aroclor 1262             | ND     | 0.508           |      | µg/Kg-dry | 1  | 10/2/2013 7:00:00 PM |
| Aroclor 1268             | ND     | 0.508           |      | µg/Kg-dry | 1  | 10/2/2013 7:00:00 PM |
| Surr: Decachlorobiphenyl | 59.9   | 56.5-130        |      | %REC      | 1  | 10/2/2013 7:00:00 PM |

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> |             | Prep Date:                      | RunNo: <b>11716</b>  |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|-------------|---------------------------------|----------------------|-----------|-------------|------|----------|------|
| Client ID: <b>ICV</b> | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148328</b> |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                            | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 95.9                  | 2.00                    | 100.0               | 0           | 95.9                            | 90                   | 110       |             |      |          |      |
| Cadmium               | 4.87                  | 0.100                   | 5.000               | 0           | 97.4                            | 90                   | 110       |             |      |          |      |
| Lead                  | 97.8                  | 2.00                    | 100.0               | 0           | 97.8                            | 90                   | 110       |             |      |          |      |

| Sample ID: <b>MBLK-5948</b> | SampType: <b>MBLK</b> | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> |             | Prep Date:                      | RunNo: <b>11716</b>  |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|-------------|---------------------------------|----------------------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>       | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148329</b> |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                            | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 2.00                    |                     |             |                                 |                      |           |             |      |          |      |
| Cadmium                     | ND                    | 0.100                   |                     |             |                                 |                      |           |             |      |          |      |
| Lead                        | ND                    | 2.00                    |                     |             |                                 |                      |           |             |      |          |      |

| Sample ID: <b>LCS-5948</b> | SampType: <b>LCS</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> |             | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11716</b>  |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|-------------|---------------------------------|----------------------|-----------|-------------|------|----------|------|
| Client ID: <b>LCSS</b>     | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148330</b> |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                            | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 96.8                  | 2.00                    | 100.0               | 0           | 96.8                            | 85.1                 | 107       |             |      |          |      |
| Cadmium                    | 4.89                  | 0.100                   | 5.000               | 0           | 97.8                            | 87.2                 | 115       |             |      |          |      |
| Lead                       | 102                   | 2.00                    | 100.0               | 0           | 102                             | 84.9                 | 109       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 1 of 17 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11716</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148339</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 100                   | 2.00                    | 100.0               | 0                               | 100                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5.05                  | 0.100                   | 5.000               | 0                               | 101                  | 90       | 110       |             |      |          |      |
| Lead                  | 102                   | 2.00                    | 100.0               | 0                               | 102                  | 90       | 110       |             |      |          |      |

|                                   |                       |                         |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11716</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W1</b>    | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148344</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | ND                    | 2.51                    |                         |                                 |                      |          |           | 0           | 0    | 20       |      |
| Cadmium                           | 0.151                 | 0.125                   |                         |                                 |                      |          |           | 0.1402      | 7.14 | 20       |      |
| Lead                              | 272                   | 2.51                    |                         |                                 |                      |          |           | 162.8       | 50.4 | 20       | R    |

|                                  |                       |                         |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6010_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11716</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W1</b>   | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148345</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                          | 73.6                  | 2.42                    | 121.0                   | 0                               | 60.8                 | 86.1     | 109       |             |      |          | S    |
| Cadmium                          | 3.90                  | 0.121                   | 6.050                   | 0.1402                          | 62.1                 | 86.4     | 115       |             |      |          | S    |
| Lead                             | 265                   | 2.42                    | 121.0                   | 162.8                           | 84.6                 | 84.9     | 109       |             |      |          | S    |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

| Sample ID: <b>1310029-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11716</b>  |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CS4-S-1.5-W1</b>    | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148346</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | 106                   | 2.34                    | 116.8                   | 0                               | 90.4                 | 86.1     | 109       | 73.62       | 35.7 | 20       | R    |
| Cadmium                           | 5.49                  | 0.117                   | 5.842                   | 0.1402                          | 91.6                 | 86.4     | 115       | 3.897       | 34.0 | 20       | R    |
| Lead                              | 408                   | 2.34                    | 116.8                   | 162.8                           | 210                  | 84.9     | 109       | 265.1       | 42.5 | 20       | SR   |

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11716</b>  |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>5948</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148349</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 97.0                  | 2.00                    | 100.0               | 0                               | 97.0                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4.99                  | 0.100                   | 5.000               | 0                               | 99.8                 | 90       | 110       |             |      |          |      |
| Lead                  | 101                   | 2.00                    | 100.0               | 0                               | 101                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11712</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148173</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 70.0                  | 0.333                     | 66.67               | 0                               | 105                  | 85       | 115       |             |      |          |      |
| Aroclor 1254          | 66.7                  | 0.333                     | 66.67               | 0                               | 100                  | 85       | 115       |             |      |          |      |

|                           |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5955</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11712</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148174</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1221              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1232              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1242              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1248              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1254              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1260              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1262              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1268              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl  | 4720                  |                           | 6667                |                                 | 70.7                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5955</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11712</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148175</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 52.7                  | 0.333                     | 66.67               | 0                               | 79.0                 | 44.3     | 137       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 4 of 17 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |              |

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                            |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5955</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11712</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148175</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                                  |                       |                           |                         |                                 |                      |      |     |  |  |  |  |
|----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|------|-----|--|--|--|--|
| Sample ID: <b>1310029-004AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11712</b>  |      |     |  |  |  |  |
| Client ID: <b>CS4-S-1.5-W4</b>   | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148176</b> |      |     |  |  |  |  |
| Aroclor 1016/1260                | 58.7                  | 0.376                     | 75.25                   | 0                               | 78.0                 | 56.6 | 123 |  |  |  |  |

|                                   |                       |                           |                         |                                 |                      |      |     |       |   |    |  |
|-----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|------|-----|-------|---|----|--|
| Sample ID: <b>1310029-004AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11712</b>  |      |     |       |   |    |  |
| Client ID: <b>CS4-S-1.5-W4</b>    | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148177</b> |      |     |       |   |    |  |
| Aroclor 1016/1260                 | 58.7                  | 0.376                     | 75.25                   | 0                               | 78.0                 | 56.6 | 123 | 58.70 | 0 | 20 |  |

|                       |                       |                           |                     |                                 |                      |    |     |  |  |  |  |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----|-----|--|--|--|--|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11712</b>  |    |     |  |  |  |  |
| Client ID: <b>CCV</b> | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148220</b> |    |     |  |  |  |  |
| Aroclor 1254          | 66.7                  | 0.333                     | 66.67               | 0                               | 100                  | 85 | 115 |  |  |  |  |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 5 of 17  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCB</b> | SampType: <b>CCB</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11712</b>  |          |           |             |      |          |      |
| Client ID: <b>CCB</b> | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148221</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1254          | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11712</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5955</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148223</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1254          | 72.0                  | 0.333                     | 66.67               | 0                               | 108                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11709</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5957</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148135</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |        |       |   |      |    |     |  |  |  |  |
|----------------|-----|--------|-------|---|------|----|-----|--|--|--|--|
| Benzene        | 2.5 | 0.0050 | 2.500 | 0 | 98.2 | 85 | 115 |  |  |  |  |
| Xylenes, Total | 7.6 | 0.30   | 7.500 | 0 | 102  | 85 | 115 |  |  |  |  |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5957</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11709</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5957</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148136</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |      |        |       |   |      |      |     |  |  |  |  |
|----------------|------|--------|-------|---|------|------|-----|--|--|--|--|
| Benzene        | 0.93 | 0.0050 | 1.000 | 0 | 92.8 | 68.7 | 117 |  |  |  |  |
| Xylenes, Total | 2.9  | 0.30   | 3.000 | 0 | 95.9 | 70.1 | 116 |  |  |  |  |

|                           |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5957</b> | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11709</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5957</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148137</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                            |     |        |       |  |      |      |     |  |  |  |  |
|----------------------------|-----|--------|-------|--|------|------|-----|--|--|--|--|
| Benzene                    | ND  | 0.0050 |       |  |      |      |     |  |  |  |  |
| Xylenes, Total             | ND  | 0.30   |       |  |      |      |     |  |  |  |  |
| Surr: 4-Bromofluorobenzene | 2.8 |        | 5.000 |  | 56.6 | 42.6 | 126 |  |  |  |  |

|                                  |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-012CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11709</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-3.0-F1</b>   | Batch ID: <b>5957</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148149</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                    |   |  |  |
|--------------------|---|--|--|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                                  |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-012CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11709</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-3.0-F1</b>   | Batch ID: <b>5957</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148149</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                          | 3.3                   | 0.017                      | 3.386                   | 0                               | 97.8                 | 32.2     | 108       |             |      |          |      |
| Xylenes, Total                   | 8.4                   | 1.0                        | 10.16                   | 0                               | 82.5                 | 47.5     | 119       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-012CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11709</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-3.0-F1</b>    | Batch ID: <b>5957</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148150</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                           | 3.1                   | 0.017                      | 3.386                   | 0                               | 91.9                 | 32.2     | 108       | 3.311       | 6.17 | 20       |      |
| Xylenes, Total                    | 8.9                   | 1.0                        | 10.16                   | 0                               | 87.4                 | 47.5     | 119       | 8.380       | 5.81 | 20       |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 8 of 17 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6014</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150092</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                    | 0.369                 | 0.0167                  | 0.4000              | 0                                | 92.3                 | 80       | 120       |             |      |          |      |

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6014</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150093</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                     | ND                    | 1.67                    |                     |                                  |                      |          |           |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150104</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | ND                    | 1.67                    | 0.4000              | 0                                | 100                  | 90       | 110       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-004ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W4</b>    | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150106</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.0988                | 0.0181                  |                         |                                  |                      |          |           | 0.1118      | 12.4 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 9 of 17  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150127</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.378                 | 0.0167                  | 0.4000              | 0                                | 94.4                 | 90       | 110       |             |      |          |      |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-004AMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W4</b>   | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150128</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 0.569                 | 0.0175                  | 0.4181                  | 0.1118                           | 109                  | 75       | 125       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-004AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W4</b>    | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150129</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.447                 | 0.0175                  | 0.4181                  | 0.1118                           | 80.3                 | 75       | 125       | 0.5691      | 24.0 | 20       | R    |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11842</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6014</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150130</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.385                 | 0.0167                  | 0.4000              | 0                                | 96.2                 | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 10 of 17  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11707</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5950</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148109</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |      |      |       |   |     |    |     |
|----------|------|------|-------|---|-----|----|-----|
| Diesel   | 1130 | 15.0 | 1014  | 0 | 111 | 85 | 115 |
| Lube Oil | 566  | 50.0 | 522.7 | 0 | 108 | 85 | 115 |

|                           |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5950</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11707</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5950</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148110</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                   |      |      |       |  |      |    |     |
|-------------------|------|------|-------|--|------|----|-----|
| Diesel            | ND   | 15.0 |       |  |      |    |     |
| Lube Oil          | ND   | 50.0 |       |  |      |    |     |
| Surr: o-Terphenyl | 26.0 |      | 33.30 |  | 78.0 | 50 | 150 |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5950</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11707</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5950</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148111</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |     |      |     |
|----------|-----|------|-------|---|-----|------|-----|
| Diesel   | 200 | 15.0 | 166.5 | 0 | 120 | 76.3 | 125 |
| Lube Oil | 167 | 50.0 | 166.5 | 0 | 101 | 69.9 | 127 |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11707</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W2</b>    | Batch ID: <b>5950</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148114</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 11 of 17 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |               |



# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11707</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W2</b>    | Batch ID: <b>5950</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148114</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                            | ND                    | 22.7                       |                         |                                 |                      |          |           | 0           | 0    | 20       |      |
| Lube Oil                          | ND                    | 75.7                       |                         |                                 |                      |          |           | 0           | 0    | 20       |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-010ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11707</b>  |          |           |             |      |          |      |
| Client ID: <b>CS5-S-2.0-W5</b>    | Batch ID: <b>5950</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148122</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                            | ND                    | 25.0                       |                         |                                 |                      |          |           | 0           | 0    | 20       |      |
| Lube Oil                          | ND                    | 83.2                       |                         |                                 |                      |          |           | 0           | 0    | 20       |      |

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11707</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5950</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148125</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1450                  | 15.0                       | 1352                | 0                               | 108                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 662                   | 50.0                       | 696.9               | 0                               | 95.0                 | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 12 of 17  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11710</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5958</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148156</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 92.4                  | 2.50                       | 100.0               | 0                               | 92.4                 | 80       | 120       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5958</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11710</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5958</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148157</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | 46.4                  | 2.50                       | 50.00               | 0                               | 92.8                 | 53.5     | 121       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5958</b>  | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11710</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>5958</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148158</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND                    | 2.50                       |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 2.88                  |                            | 5.000               |                                 | 57.5                 | 50       | 150       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-001CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11710</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W1</b>    | Batch ID: <b>5958</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148160</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 7.73                       |                         |                                 |                      |          |           | 0           | 200  | 20       |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 13 of 17 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

|                                   |                       |                                 |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310029-012CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b>      | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11710</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-3.0-F1</b>    | Batch ID: <b>5958</b> | TestNo: <b>NWTPH-Gx SW5035A</b> |                         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148171</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                             | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 8.46                            |                         |                                 |                      |          |           | 0           | 0    | 20       |      |

|                       |                       |                                 |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b>      | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11710</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5958</b> | TestNo: <b>NWTPH-Gx SW5035A</b> |                     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148172</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 132                   | 2.50                            | 150.0               | 0                               | 88.3                 | 80       | 120       |             |      |          |      |

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-5954</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11706</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>5954</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148086</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 117                   | 6.67                     | 133.3               | 0                               | 87.5                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 115                   | 6.67                     | 133.3               | 0                               | 86.5                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 112                   | 6.67                     | 133.3               | 0                               | 84.0                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 113                   | 6.67                     | 133.3               | 0                               | 85.0                 | 80       | 120       |             |      |          |      |
| Chrysene                   | 120                   | 6.67                     | 133.3               | 0                               | 90.0                 | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 119                   | 6.67                     | 133.3               | 0                               | 89.0                 | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 115                   | 6.67                     | 133.3               | 0                               | 86.5                 | 80       | 120       |             |      |          |      |

| Sample ID: <b>LCS-5954</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11706</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>LCSS</b>     | Batch ID: <b>5954</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148095</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 272                   | 6.67                     | 333.4               | 0                               | 81.6                 | 48.4     | 121       |             |      |          |      |
| Benzo(a)pyrene             | 257                   | 6.67                     | 333.4               | 0                               | 77.0                 | 37.7     | 137       |             |      |          |      |
| Benzo(b)fluoranthene       | 257                   | 6.67                     | 333.4               | 0                               | 77.0                 | 58.6     | 117       |             |      |          |      |
| Benzo(k)fluoranthene       | 285                   | 6.67                     | 333.4               | 0                               | 85.6                 | 46.1     | 124       |             |      |          |      |
| Chrysene                   | 275                   | 6.67                     | 333.4               | 0                               | 82.6                 | 57.1     | 130       |             |      |          |      |
| Dibenz(a,h)anthracene      | 281                   | 6.67                     | 333.4               | 0                               | 84.2                 | 44.2     | 124       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 270                   | 6.67                     | 333.4               | 0                               | 81.0                 | 47.9     | 121       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

| Sample ID: <b>MB-5954</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11706</b>  |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>     | Batch ID: <b>5954</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148096</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 4260                  |                          | 6667                |                                 | 63.8                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 3900                  |                          | 6667                |                                 | 58.5                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 3550                  |                          | 6667                |                                 | 53.2                 | 44.9     | 155       |             |      |          |      |

| Sample ID: <b>1310029-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11706</b>  |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CS4-S-1.5-W1</b>   | Batch ID: <b>5954</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148107</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                   | 370                   | 9.04                     | 451.8                   | 9.939                           | 79.8                 | 64.6     | 110       |             |      |          |      |

| Sample ID: <b>1310029-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/2/2013</b>     | RunNo: <b>11706</b>  |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CS4-S-1.5-W1</b>    | Batch ID: <b>5954</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>         | Analysis Date: <b>10/2/2013</b> | SeqNo: <b>148108</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                    | 358                   | 9.04                     | 451.8                   | 9.939                           | 77.0                 | 64.6     | 110       | 370.5       | 3.47 | 20       |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 16 of 17 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310029

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

| Sample ID: <b>CCB-5954</b> | SampType: <b>CCB</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11706</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCB</b>      | Batch ID: <b>5954</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148200</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(a)pyrene             | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene       | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene       | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Chrysene                   | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl     | 4080                  |                          | 6667                |                                 | 61.2                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5      | 4340                  |                          | 6667                |                                 | 65.1                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14      | 3150                  |                          | 6667                |                                 | 47.3                 | 44.9     | 155       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

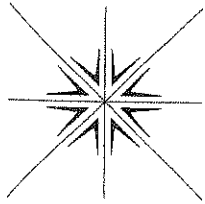
## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

# CHAIN OF CUSTODY RECORD

**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336



Contact Person/Project Manager MIKE STUMPER  
 Company NAFA  
 Address 1100 EAST MILK PLANT BLDG SUITE 100  
VANCOUVER, WA 98600  
 Phone                      Fax                       
 Project No. 0443.02.04 Project Name KEISO  
 Project Site Location OR WA X Other             
 Invoice To KFA P.O. No.           

Collected By: [Signature]  
 Signature [Signature]  
 Printed LINDSEY CROSBY

Signature                       
 Printed                     

Turn Around Time                       
 Normal 5-7 Business Days  
 Rush 24-HR Specify                     

Rush Analyses Must Be Scheduled With The Lab In Advance

| Date     | Time | Sample I.D.  | Matrix | No. of Containers | Analyses   | For Laboratory Use  | Relinquished By | Date     | Time |
|----------|------|--------------|--------|-------------------|--|---|-----------------|----------|------|
| 10/11/13 | 1330 | CS4-S-1.5-W1 | S      | 2                 | NUTRI - DX<br>NUTRI - GX<br>AS, CA, Pb - 600<br>MURKIN SW 4TH<br>CPHIS SPTDSIM<br>Pb, B. 805A<br>BENZENE, XYLENE | Lab Job No. <u>1310029</u><br>Shipped Via <u>Specialty</u><br>Air Bill No. <u>          </u><br>Temperature On Receipt <u>4</u> °C<br>Specialty Analytical Containers? <input checked="" type="checkbox"/> N<br>Specialty Analytical Trip Blanks? <u>          </u> Y / N | Nuvia Pipper    | 10/11/13 | 1815 |
|          | 1400 | CS4-S-1.5-W2 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1415 | CS4-S-1.5-W3 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1430 | CS4-S-1.5-W4 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1440 | CS4-S-1.5-W5 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1500 | CS5-S-2.0-W1 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1000 | CS5-S-2.0-W2 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1610 | CS5-S-2.0-W3 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1620 | CS5-S-2.0-W4 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1630 | CS5-S-2.0-W5 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1640 | CS5-S-4.0-F1 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |
|          | 1445 | CS4-S-3.0-F1 |        |                   |  |   | Specialty       | 10/11/13 | 0800 |

Relinquished By: [Signature]  
 Company: NAFA  
 Date: 10/11/13  
 Time: 1815  
 Received By: Nuvia Pipper  
 Company: Specialty  
 Date: 10/11/13  
 Time: 0800  
 Received For Lab By: [Signature]  
 Date: 10/11/13  
 Time: 0800

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.  
 Samples held beyond 60 days subject to storage fees(s)





# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

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October 11, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.02

Dear Mike Stringer:

Order No.: 1310044

Specialty Analytical received 31 sample(s) on 10/3/2013 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is cursive and somewhat stylized.

Marty French  
Lab Director

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-001  
**Client Sample ID:** CS6-S-1.25-W1

**Collection Date:** 10/2/2013 9:00:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit      | DF | Date Analyzed         |
|--------------------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Diesel                               | 125    | 20.9            | K    | mg/Kg-dry | 1  | 10/3/2013 4:00:00 PM  |
| Lube Oil                             | 635    | 69.8            |      | mg/Kg-dry | 1  | 10/3/2013 4:00:00 PM  |
| Surr: o-Terphenyl                    | 101    | 50-150          |      | %REC      | 1  | 10/3/2013 4:00:00 PM  |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>   |
| Benzene                              | 0.033  | 0.016           |      | mg/Kg-dry | 1  | 10/3/2013 12:00:00 PM |
| Xylenes, Total                       | ND     | 0.98            |      | mg/Kg-dry | 1  | 10/3/2013 12:00:00 PM |
| Surr: 4-Bromofluorobenzene           | 56.3   | 42.6-126        |      | %REC      | 1  | 10/3/2013 12:00:00 PM |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>   |
| Gasoline                             | ND     | 8.17            |      | mg/Kg-dry | 1  | 10/3/2013 11:30:00 AM |
| Surr: 4-Bromofluorobenzene           | 58.5   | 50-150          |      | %REC      | 1  | 10/3/2013 11:30:00 AM |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>    |
| Arsenic                              | 7.32   | 2.79            |      | mg/Kg-dry | 1  | 10/3/2013 5:47:02 PM  |
| Cadmium                              | 5.75   | 0.140           |      | mg/Kg-dry | 1  | 10/3/2013 5:47:02 PM  |
| Lead                                 | 1950   | 2.79            |      | mg/Kg-dry | 1  | 10/3/2013 5:47:02 PM  |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>    |
| Mercury                              | 0.477  | 0.0216          |      | mg/Kg-dry | 1  | 10/11/2013 9:53:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>   |
| Benz(a)anthracene                    | 90.3   | 9.31            |      | µg/Kg-dry | 1  | 10/3/2013 5:51:00 PM  |
| Benzo(a)pyrene                       | 143    | 9.31            |      | µg/Kg-dry | 1  | 10/3/2013 5:51:00 PM  |
| Benzo(b)fluoranthene                 | 223    | 9.31            |      | µg/Kg-dry | 1  | 10/3/2013 5:51:00 PM  |
| Benzo(k)fluoranthene                 | 81.9   | 9.31            |      | µg/Kg-dry | 1  | 10/3/2013 5:51:00 PM  |
| Chrysene                             | 130    | 9.31            |      | µg/Kg-dry | 1  | 10/3/2013 5:51:00 PM  |
| Dibenz(a,h)anthracene                | 49.3   | 9.31            |      | µg/Kg-dry | 1  | 10/3/2013 5:51:00 PM  |
| Indeno(1,2,3-cd)pyrene               | 107    | 9.31            |      | µg/Kg-dry | 1  | 10/3/2013 5:51:00 PM  |
| Surr: 2-Fluorobiphenyl               | 40.7   | 42.6-128        | S    | %REC      | 1  | 10/3/2013 5:51:00 PM  |
| Surr: Nitrobenzene-d5                | 47.2   | 21.7-155        |      | %REC      | 1  | 10/3/2013 5:51:00 PM  |
| Surr: p-Terphenyl-d14                | 47.0   | 44.9-155        |      | %REC      | 1  | 10/3/2013 5:51:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1016                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM  |
| Aroclor 1221                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM  |
| Aroclor 1232                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM  |
| Aroclor 1242                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM  |
| Aroclor 1248                         | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM  |
| Aroclor 1254                         | 98.3   | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM  |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 9:00:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-001

**Client Sample ID:** CS6-S-1.25-W1

**Matrix:** SOIL

---

| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM |
| Aroclor 1262             | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM |
| Aroclor 1268             | ND     | 0.465           |      | µg/Kg-dry | 1  | 10/3/2013 5:30:00 PM |
| Surr: Decachlorobiphenyl | 63.6   | 56.5-130        |      | %REC      | 1  | 10/3/2013 5:30:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-002  
**Client Sample ID:** CS6-S-1.25-W2

**Collection Date:** 10/2/2013 9:10:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit      | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Diesel                               | 91.8   | 20.4            | K    | mg/Kg-dry | 1  | 10/3/2013 4:20:00 PM   |
| Lube Oil                             | 399    | 67.9            | A2   | mg/Kg-dry | 1  | 10/3/2013 4:20:00 PM   |
| Surr: o-Terphenyl                    | 93.0   | 50-150          |      | %REC      | 1  | 10/3/2013 4:20:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>    |
| Benzene                              | ND     | 0.014           |      | mg/Kg-dry | 1  | 10/3/2013 12:30:00 PM  |
| Xylenes, Total                       | ND     | 0.83            |      | mg/Kg-dry | 1  | 10/3/2013 12:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 38.0   | 42.6-126        | SMI  | %REC      | 1  | 10/3/2013 12:30:00 PM  |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Gasoline                             | ND     | 6.93            |      | mg/Kg-dry | 1  | 10/3/2013 12:30:00 PM  |
| Surr: 4-Bromofluorobenzene           | 50.2   | 50-150          |      | %REC      | 1  | 10/3/2013 12:30:00 PM  |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>     |
| Arsenic                              | ND     | 2.72            |      | mg/Kg-dry | 1  | 10/3/2013 5:52:03 PM   |
| Cadmium                              | 0.707  | 0.136           |      | mg/Kg-dry | 1  | 10/3/2013 5:52:03 PM   |
| Lead                                 | 103    | 2.72            |      | mg/Kg-dry | 1  | 10/3/2013 5:52:03 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>     |
| Mercury                              | 1.24   | 0.0227          |      | mg/Kg-dry | 1  | 10/11/2013 10:01:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>    |
| Benz(a)anthracene                    | ND     | 9.06            |      | µg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Benzo(a)pyrene                       | ND     | 9.06            |      | µg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Benzo(b)fluoranthene                 | 13.6   | 9.06            |      | µg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 9.06            |      | µg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Chrysene                             | 13.6   | 9.06            |      | µg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 9.06            |      | µg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.06            |      | µg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Surr: 2-Fluorobiphenyl               | 57.2   | 42.6-128        |      | %REC      | 1  | 10/3/2013 6:20:00 PM   |
| Surr: Nitrobenzene-d5                | 57.5   | 21.7-155        |      | %REC      | 1  | 10/3/2013 6:20:00 PM   |
| Surr: p-Terphenyl-d14                | 45.4   | 44.9-155        |      | %REC      | 1  | 10/3/2013 6:20:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>    |
| Aroclor 1016                         | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM   |
| Aroclor 1221                         | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM   |
| Aroclor 1232                         | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM   |
| Aroclor 1242                         | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM   |
| Aroclor 1248                         | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM   |
| Aroclor 1254                         | 11.5   | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 9:10:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-002

**Client Sample ID:** CS6-S-1.25-W2

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM |
| Aroclor 1262             | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM |
| Aroclor 1268             | ND     | 0.453           |      | µg/Kg-dry | 1  | 10/3/2013 5:48:00 PM |
| Surr: Decachlorobiphenyl | 64.3   | 56.5-130        |      | %REC      | 1  | 10/3/2013 5:48:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-003  
**Client Sample ID:** CS6-S-1.25-W3

**Collection Date:** 10/2/2013 9:20:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit      | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Diesel                               | 59.5   | 20.2            | K    | mg/Kg-dry | 1  | 10/3/2013 5:00:00 PM   |
| Lube Oil                             | 226    | 67.4            |      | mg/Kg-dry | 1  | 10/3/2013 5:00:00 PM   |
| Surr: o-Terphenyl                    | 73.6   | 50-150          |      | %REC      | 1  | 10/3/2013 5:00:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>    |
| Benzene                              | ND     | 0.015           |      | mg/Kg-dry | 1  | 10/3/2013 1:00:00 PM   |
| Xylenes, Total                       | ND     | 0.89            |      | mg/Kg-dry | 1  | 10/3/2013 1:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 43.3   | 42.6-126        |      | %REC      | 1  | 10/3/2013 1:00:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Gasoline                             | ND     | 7.41            |      | mg/Kg-dry | 1  | 10/3/2013 1:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 54.0   | 50-150          |      | %REC      | 1  | 10/3/2013 1:00:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>     |
| Arsenic                              | ND     | 2.41            |      | mg/Kg-dry | 1  | 10/3/2013 5:57:04 PM   |
| Cadmium                              | 0.385  | 0.120           |      | mg/Kg-dry | 1  | 10/3/2013 5:57:04 PM   |
| Lead                                 | 103    | 2.41            |      | mg/Kg-dry | 1  | 10/3/2013 5:57:04 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>     |
| Mercury                              | 0.945  | 0.0225          |      | mg/Kg-dry | 1  | 10/11/2013 10:05:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>    |
| Benz(a)anthracene                    | ND     | 8.99            |      | µg/Kg-dry | 1  | 10/3/2013 6:48:00 PM   |
| Benzo(a)pyrene                       | 12.6   | 8.99            |      | µg/Kg-dry | 1  | 10/3/2013 6:48:00 PM   |
| Benzo(b)fluoranthene                 | 17.1   | 8.99            |      | µg/Kg-dry | 1  | 10/3/2013 6:48:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 8.99            |      | µg/Kg-dry | 1  | 10/3/2013 6:48:00 PM   |
| Chrysene                             | 17.1   | 8.99            |      | µg/Kg-dry | 1  | 10/3/2013 6:48:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 8.99            |      | µg/Kg-dry | 1  | 10/3/2013 6:48:00 PM   |
| Indeno(1,2,3-cd)pyrene               | 13.5   | 8.99            |      | µg/Kg-dry | 1  | 10/3/2013 6:48:00 PM   |
| Surr: 2-Fluorobiphenyl               | 58.4   | 42.6-128        |      | %REC      | 1  | 10/3/2013 6:48:00 PM   |
| Surr: Nitrobenzene-d5                | 55.7   | 21.7-155        |      | %REC      | 1  | 10/3/2013 6:48:00 PM   |
| Surr: p-Terphenyl-d14                | 45.0   | 44.9-155        |      | %REC      | 1  | 10/3/2013 6:48:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>    |
| Aroclor 1016                         | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM   |
| Aroclor 1221                         | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM   |
| Aroclor 1232                         | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM   |
| Aroclor 1242                         | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM   |
| Aroclor 1248                         | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM   |
| Aroclor 1254                         | 9.35   | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 9:20:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-003

**Client Sample ID:** CS6-S-1.25-W3

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM |
| Aroclor 1262             | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM |
| Aroclor 1268             | ND     | 0.449           |      | µg/Kg-dry | 1  | 10/3/2013 6:06:00 PM |
| Surr: Decachlorobiphenyl | 70.8   | 56.5-130        |      | %REC      | 1  | 10/3/2013 6:06:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-004  
**Client Sample ID:** CS6-S-2.5-F1

**Collection Date:** 10/2/2013 9:30:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 21.9            |      | mg/Kg-dry           | 1  | 10/3/2013 5:40:00 PM   |
| Lube Oil                             | 81.9   | 73.0            |      | mg/Kg-dry           | 1  | 10/3/2013 5:40:00 PM   |
| Surr: o-Terphenyl                    | 70.6   | 50-150          |      | %REC                | 1  | 10/3/2013 5:40:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.017           |      | mg/Kg-dry           | 1  | 10/3/2013 1:30:00 PM   |
| Xylenes, Total                       | ND     | 1.0             |      | mg/Kg-dry           | 1  | 10/3/2013 1:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 44.2   | 42.6-126        |      | %REC                | 1  | 10/3/2013 1:30:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 8.69            |      | mg/Kg-dry           | 1  | 10/3/2013 1:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 52.8   | 50-150          |      | %REC                | 1  | 10/3/2013 1:30:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.70            |      | mg/Kg-dry           | 1  | 10/3/2013 6:02:04 PM   |
| Cadmium                              | ND     | 0.135           |      | mg/Kg-dry           | 1  | 10/3/2013 6:02:04 PM   |
| Lead                                 | ND     | 2.70            |      | mg/Kg-dry           | 1  | 10/3/2013 6:02:04 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.139  | 0.0244          |      | mg/Kg-dry           | 1  | 10/11/2013 10:09:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 9.74            |      | µg/Kg-dry           | 1  | 10/3/2013 7:17:00 PM   |
| Benzo(a)pyrene                       | ND     | 9.74            |      | µg/Kg-dry           | 1  | 10/3/2013 7:17:00 PM   |
| Benzo(b)fluoranthene                 | ND     | 9.74            |      | µg/Kg-dry           | 1  | 10/3/2013 7:17:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 9.74            |      | µg/Kg-dry           | 1  | 10/3/2013 7:17:00 PM   |
| Chrysene                             | ND     | 9.74            |      | µg/Kg-dry           | 1  | 10/3/2013 7:17:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 9.74            |      | µg/Kg-dry           | 1  | 10/3/2013 7:17:00 PM   |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.74            |      | µg/Kg-dry           | 1  | 10/3/2013 7:17:00 PM   |
| Surr: 2-Fluorobiphenyl               | 49.4   | 42.6-128        |      | %REC                | 1  | 10/3/2013 7:17:00 PM   |
| Surr: Nitrobenzene-d5                | 31.4   | 21.7-155        |      | %REC                | 1  | 10/3/2013 7:17:00 PM   |
| Surr: p-Terphenyl-d14                | 49.7   | 44.9-155        |      | %REC                | 1  | 10/3/2013 7:17:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.486           |      | µg/Kg-dry           | 1  | 10/3/2013 6:24:00 PM   |
| Aroclor 1221                         | ND     | 0.486           |      | µg/Kg-dry           | 1  | 10/3/2013 6:24:00 PM   |
| Aroclor 1232                         | ND     | 0.486           |      | µg/Kg-dry           | 1  | 10/3/2013 6:24:00 PM   |
| Aroclor 1242                         | ND     | 0.486           |      | µg/Kg-dry           | 1  | 10/3/2013 6:24:00 PM   |
| Aroclor 1248                         | ND     | 0.486           |      | µg/Kg-dry           | 1  | 10/3/2013 6:24:00 PM   |
| Aroclor 1254                         | 2.82   | 0.486           |      | µg/Kg-dry           | 1  | 10/3/2013 6:24:00 PM   |



# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 9:30:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-004

**Client Sample ID:** CS6-S-2.5-F1

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/3/2013 6:24:00 PM |
| Aroclor 1262             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/3/2013 6:24:00 PM |
| Aroclor 1268             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/3/2013 6:24:00 PM |
| Surr: Decachlorobiphenyl | 56.5   | 56.5-130        |      | %REC      | 1  | 10/3/2013 6:24:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-005  
**Client Sample ID:** CS6-S-2.5-F2

**Collection Date:** 10/2/2013 9:40:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 20.2            |      | mg/Kg-dry           | 1  | 10/3/2013 6:00:00 PM   |
| Lube Oil                             | ND     | 67.3            |      | mg/Kg-dry           | 1  | 10/3/2013 6:00:00 PM   |
| Surr: o-Terphenyl                    | 74.2   | 50-150          |      | %REC                | 1  | 10/3/2013 6:00:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.013           |      | mg/Kg-dry           | 1  | 10/3/2013 2:00:00 PM   |
| Xylenes, Total                       | ND     | 0.77            |      | mg/Kg-dry           | 1  | 10/3/2013 2:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 32.1   | 42.6-126        | SMI  | %REC                | 1  | 10/3/2013 2:00:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 6.40            |      | mg/Kg-dry           | 1  | 10/3/2013 2:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 32.3   | 50-150          | SMI  | %REC                | 1  | 10/3/2013 2:00:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.49            |      | mg/Kg-dry           | 1  | 10/3/2013 6:07:06 PM   |
| Cadmium                              | ND     | 0.125           |      | mg/Kg-dry           | 1  | 10/3/2013 6:07:06 PM   |
| Lead                                 | ND     | 2.49            |      | mg/Kg-dry           | 1  | 10/3/2013 6:07:06 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.126  | 0.0225          |      | mg/Kg-dry           | 1  | 10/11/2013 10:13:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/3/2013 7:45:00 PM   |
| Benzo(a)pyrene                       | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/3/2013 7:45:00 PM   |
| Benzo(b)fluoranthene                 | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/3/2013 7:45:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/3/2013 7:45:00 PM   |
| Chrysene                             | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/3/2013 7:45:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/3/2013 7:45:00 PM   |
| Indeno(1,2,3-cd)pyrene               | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/3/2013 7:45:00 PM   |
| Surr: 2-Fluorobiphenyl               | 64.2   | 42.6-128        |      | %REC                | 1  | 10/3/2013 7:45:00 PM   |
| Surr: Nitrobenzene-d5                | 58.3   | 21.7-155        |      | %REC                | 1  | 10/3/2013 7:45:00 PM   |
| Surr: p-Terphenyl-d14                | 47.0   | 44.9-155        |      | %REC                | 1  | 10/3/2013 7:45:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 6:42:00 PM   |
| Aroclor 1221                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 6:42:00 PM   |
| Aroclor 1232                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 6:42:00 PM   |
| Aroclor 1242                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 6:42:00 PM   |
| Aroclor 1248                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 6:42:00 PM   |
| Aroclor 1254                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 6:42:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 9:40:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-005

**Client Sample ID:** CS6-S-2.5-F2

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 6:42:00 PM |
| Aroclor 1262             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 6:42:00 PM |
| Aroclor 1268             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 6:42:00 PM |
| Surr: Decachlorobiphenyl | 49.6   | 56.5-130        | SMI  | %REC      | 1  | 10/3/2013 6:42:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 10:00:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-006

**Client Sample ID:** CS6-S-2.5-F3

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit      | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Diesel                               | 28.5   | 20.9            |      | mg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Lube Oil                             | 80.5   | 69.6            |      | mg/Kg-dry | 1  | 10/3/2013 6:20:00 PM   |
| Surr: o-Terphenyl                    | 84.5   | 50-150          |      | %REC      | 1  | 10/3/2013 6:20:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>    |
| Benzene                              | ND     | 0.017           |      | mg/Kg-dry | 1  | 10/3/2013 2:30:00 PM   |
| Xylenes, Total                       | ND     | 0.99            |      | mg/Kg-dry | 1  | 10/3/2013 2:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 48.1   | 42.6-126        |      | %REC      | 1  | 10/3/2013 2:30:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Gasoline                             | ND     | 8.28            |      | mg/Kg-dry | 1  | 10/3/2013 2:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 56.2   | 50-150          |      | %REC      | 1  | 10/3/2013 2:30:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>     |
| Arsenic                              | ND     | 2.78            |      | mg/Kg-dry | 1  | 10/3/2013 6:12:08 PM   |
| Cadmium                              | ND     | 0.139           |      | mg/Kg-dry | 1  | 10/3/2013 6:12:08 PM   |
| Lead                                 | ND     | 2.78            |      | mg/Kg-dry | 1  | 10/3/2013 6:12:08 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>     |
| Mercury                              | 0.224  | 0.0215          |      | mg/Kg-dry | 1  | 10/11/2013 10:21:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>    |
| Benz(a)anthracene                    | ND     | 9.28            |      | µg/Kg-dry | 1  | 10/3/2013 8:13:00 PM   |
| Benzo(a)pyrene                       | ND     | 9.28            |      | µg/Kg-dry | 1  | 10/3/2013 8:13:00 PM   |
| Benzo(b)fluoranthene                 | ND     | 9.28            |      | µg/Kg-dry | 1  | 10/3/2013 8:13:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 9.28            |      | µg/Kg-dry | 1  | 10/3/2013 8:13:00 PM   |
| Chrysene                             | ND     | 9.28            |      | µg/Kg-dry | 1  | 10/3/2013 8:13:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 9.28            |      | µg/Kg-dry | 1  | 10/3/2013 8:13:00 PM   |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.28            |      | µg/Kg-dry | 1  | 10/3/2013 8:13:00 PM   |
| Surr: 2-Fluorobiphenyl               | 53.9   | 42.6-128        |      | %REC      | 1  | 10/3/2013 8:13:00 PM   |
| Surr: Nitrobenzene-d5                | 46.4   | 21.7-155        |      | %REC      | 1  | 10/3/2013 8:13:00 PM   |
| Surr: p-Terphenyl-d14                | 49.3   | 44.9-155        |      | %REC      | 1  | 10/3/2013 8:13:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>    |
| Aroclor 1016                         | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM   |
| Aroclor 1221                         | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM   |
| Aroclor 1232                         | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM   |
| Aroclor 1242                         | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM   |
| Aroclor 1248                         | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM   |
| Aroclor 1254                         | 5.38   | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 10:00:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-006

**Client Sample ID:** CS6-S-2.5-F3

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM |
| Aroclor 1262             | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM |
| Aroclor 1268             | ND     | 0.464           |      | µg/Kg-dry | 1  | 10/3/2013 7:00:00 PM |
| Surr: Decachlorobiphenyl | 61.8   | 56.5-130        |      | %REC      | 1  | 10/3/2013 7:00:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-007  
**Client Sample ID:** CS6-S-1.25-W4

**Collection Date:** 10/2/2013 10:10:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 20.2            |      | mg/Kg-dry           | 1  | 10/3/2013 6:40:00 PM   |
| Lube Oil                             | ND     | 67.2            |      | mg/Kg-dry           | 1  | 10/3/2013 6:40:00 PM   |
| Surr: o-Terphenyl                    | 79.5   | 50-150          |      | %REC                | 1  | 10/3/2013 6:40:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.014           |      | mg/Kg-dry           | 1  | 10/3/2013 3:00:00 PM   |
| Xylenes, Total                       | ND     | 0.85            |      | mg/Kg-dry           | 1  | 10/3/2013 3:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 38.7   | 42.6-126        | SMI  | %REC                | 1  | 10/3/2013 3:00:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 7.06            |      | mg/Kg-dry           | 1  | 10/3/2013 3:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 51.6   | 50-150          |      | %REC                | 1  | 10/3/2013 3:00:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.24            |      | mg/Kg-dry           | 1  | 10/3/2013 6:32:34 PM   |
| Cadmium                              | ND     | 0.112           |      | mg/Kg-dry           | 1  | 10/3/2013 6:32:34 PM   |
| Lead                                 | 11.1   | 2.24            |      | mg/Kg-dry           | 1  | 10/3/2013 6:32:34 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.161  | 0.0208          |      | mg/Kg-dry           | 1  | 10/11/2013 10:25:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 8.96            |      | µg/Kg-dry           | 1  | 10/3/2013 8:41:00 PM   |
| Benzo(a)pyrene                       | 18.8   | 8.96            |      | µg/Kg-dry           | 1  | 10/3/2013 8:41:00 PM   |
| Benzo(b)fluoranthene                 | 16.1   | 8.96            |      | µg/Kg-dry           | 1  | 10/3/2013 8:41:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 8.96            |      | µg/Kg-dry           | 1  | 10/3/2013 8:41:00 PM   |
| Chrysene                             | 9.86   | 8.96            |      | µg/Kg-dry           | 1  | 10/3/2013 8:41:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 8.96            |      | µg/Kg-dry           | 1  | 10/3/2013 8:41:00 PM   |
| Indeno(1,2,3-cd)pyrene               | 15.2   | 8.96            |      | µg/Kg-dry           | 1  | 10/3/2013 8:41:00 PM   |
| Surr: 2-Fluorobiphenyl               | 63.3   | 42.6-128        |      | %REC                | 1  | 10/3/2013 8:41:00 PM   |
| Surr: Nitrobenzene-d5                | 61.6   | 21.7-155        |      | %REC                | 1  | 10/3/2013 8:41:00 PM   |
| Surr: p-Terphenyl-d14                | 51.6   | 44.9-155        |      | %REC                | 1  | 10/3/2013 8:41:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 7:18:00 PM   |
| Aroclor 1221                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 7:18:00 PM   |
| Aroclor 1232                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 7:18:00 PM   |
| Aroclor 1242                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 7:18:00 PM   |
| Aroclor 1248                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 7:18:00 PM   |
| Aroclor 1254                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 7:18:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 10:10:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-007

**Client Sample ID:** CS6-S-1.25-W4

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 7:18:00 PM |
| Aroclor 1262             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 7:18:00 PM |
| Aroclor 1268             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 7:18:00 PM |
| Surr: Decachlorobiphenyl | 59.4   | 56.5-130        |      | %REC      | 1  | 10/3/2013 7:18:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-008  
**Client Sample ID:** CS6-S-1.25-W5

**Collection Date:** 10/2/2013 10:20:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 20.1            |      | mg/Kg-dry           | 1  | 10/3/2013 7:00:00 PM   |
| Lube Oil                             | ND     | 67.1            |      | mg/Kg-dry           | 1  | 10/3/2013 7:00:00 PM   |
| Surr: o-Terphenyl                    | 82.9   | 50-150          |      | %REC                | 1  | 10/3/2013 7:00:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.014           |      | mg/Kg-dry           | 1  | 10/3/2013 3:30:00 PM   |
| Xylenes, Total                       | ND     | 0.81            |      | mg/Kg-dry           | 1  | 10/3/2013 3:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 39.9   | 42.6-126        | SMI  | %REC                | 1  | 10/3/2013 3:30:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 6.78            |      | mg/Kg-dry           | 1  | 10/3/2013 3:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 51.1   | 50-150          |      | %REC                | 1  | 10/3/2013 3:30:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.40            |      | mg/Kg-dry           | 1  | 10/3/2013 6:37:36 PM   |
| Cadmium                              | ND     | 0.120           |      | mg/Kg-dry           | 1  | 10/3/2013 6:37:36 PM   |
| Lead                                 | 9.30   | 2.40            |      | mg/Kg-dry           | 1  | 10/3/2013 6:37:36 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.0855 | 0.0208          |      | mg/Kg-dry           | 1  | 10/11/2013 10:29:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 8.95            |      | µg/Kg-dry           | 1  | 10/3/2013 9:10:00 PM   |
| Benzo(a)pyrene                       | ND     | 8.95            |      | µg/Kg-dry           | 1  | 10/3/2013 9:10:00 PM   |
| Benzo(b)fluoranthene                 | ND     | 8.95            |      | µg/Kg-dry           | 1  | 10/3/2013 9:10:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 8.95            |      | µg/Kg-dry           | 1  | 10/3/2013 9:10:00 PM   |
| Chrysene                             | ND     | 8.95            |      | µg/Kg-dry           | 1  | 10/3/2013 9:10:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 8.95            |      | µg/Kg-dry           | 1  | 10/3/2013 9:10:00 PM   |
| Indeno(1,2,3-cd)pyrene               | ND     | 8.95            |      | µg/Kg-dry           | 1  | 10/3/2013 9:10:00 PM   |
| Surr: 2-Fluorobiphenyl               | 70.5   | 42.6-128        |      | %REC                | 1  | 10/3/2013 9:10:00 PM   |
| Surr: Nitrobenzene-d5                | 67.2   | 21.7-155        |      | %REC                | 1  | 10/3/2013 9:10:00 PM   |
| Surr: p-Terphenyl-d14                | 58.2   | 44.9-155        |      | %REC                | 1  | 10/3/2013 9:10:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.447           |      | µg/Kg-dry           | 1  | 10/3/2013 7:36:00 PM   |
| Aroclor 1221                         | ND     | 0.447           |      | µg/Kg-dry           | 1  | 10/3/2013 7:36:00 PM   |
| Aroclor 1232                         | ND     | 0.447           |      | µg/Kg-dry           | 1  | 10/3/2013 7:36:00 PM   |
| Aroclor 1242                         | ND     | 0.447           |      | µg/Kg-dry           | 1  | 10/3/2013 7:36:00 PM   |
| Aroclor 1248                         | ND     | 0.447           |      | µg/Kg-dry           | 1  | 10/3/2013 7:36:00 PM   |
| Aroclor 1254                         | ND     | 0.447           |      | µg/Kg-dry           | 1  | 10/3/2013 7:36:00 PM   |



# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 10:20:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-008

**Client Sample ID:** CS6-S-1.25-W5

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.447           |      | µg/Kg-dry | 1  | 10/3/2013 7:36:00 PM |
| Aroclor 1262             | ND     | 0.447           |      | µg/Kg-dry | 1  | 10/3/2013 7:36:00 PM |
| Aroclor 1268             | ND     | 0.447           |      | µg/Kg-dry | 1  | 10/3/2013 7:36:00 PM |
| Surr: Decachlorobiphenyl | 86.4   | 56.5-130        |      | %REC      | 1  | 10/3/2013 7:36:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-009  
**Client Sample ID:** CS4-S-1.5-W7

**Collection Date:** 10/2/2013 11:10:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 18.7            |      | mg/Kg-dry           | 1  | 10/3/2013 7:20:00 PM   |
| Lube Oil                             | 73.2   | 62.3            |      | mg/Kg-dry           | 1  | 10/3/2013 7:20:00 PM   |
| Surr: o-Terphenyl                    | 82.4   | 50-150          |      | %REC                | 1  | 10/3/2013 7:20:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.012           |      | mg/Kg-dry           | 1  | 10/3/2013 4:30:00 PM   |
| Xylenes, Total                       | ND     | 0.75            |      | mg/Kg-dry           | 1  | 10/3/2013 4:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 53.5   | 42.6-126        |      | %REC                | 1  | 10/3/2013 4:30:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 6.24            |      | mg/Kg-dry           | 1  | 10/3/2013 4:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 61.2   | 50-150          |      | %REC                | 1  | 10/3/2013 4:30:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.23            |      | mg/Kg-dry           | 1  | 10/3/2013 6:42:39 PM   |
| Cadmium                              | 1.94   | 0.111           |      | mg/Kg-dry           | 1  | 10/3/2013 6:42:39 PM   |
| Lead                                 | 497    | 2.23            |      | mg/Kg-dry           | 1  | 10/3/2013 6:42:39 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.360  | 0.0200          |      | mg/Kg-dry           | 1  | 10/11/2013 10:33:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 8.31            |      | µg/Kg-dry           | 1  | 10/3/2013 9:38:00 PM   |
| Benzo(a)pyrene                       | 11.6   | 8.31            |      | µg/Kg-dry           | 1  | 10/3/2013 9:38:00 PM   |
| Benzo(b)fluoranthene                 | 19.9   | 8.31            |      | µg/Kg-dry           | 1  | 10/3/2013 9:38:00 PM   |
| Benzo(k)fluoranthene                 | ND     | 8.31            |      | µg/Kg-dry           | 1  | 10/3/2013 9:38:00 PM   |
| Chrysene                             | 13.3   | 8.31            |      | µg/Kg-dry           | 1  | 10/3/2013 9:38:00 PM   |
| Dibenz(a,h)anthracene                | ND     | 8.31            |      | µg/Kg-dry           | 1  | 10/3/2013 9:38:00 PM   |
| Indeno(1,2,3-cd)pyrene               | 15.0   | 8.31            |      | µg/Kg-dry           | 1  | 10/3/2013 9:38:00 PM   |
| Surr: 2-Fluorobiphenyl               | 43.9   | 42.6-128        |      | %REC                | 1  | 10/3/2013 9:38:00 PM   |
| Surr: Nitrobenzene-d5                | 34.9   | 21.7-155        |      | %REC                | 1  | 10/3/2013 9:38:00 PM   |
| Surr: p-Terphenyl-d14                | 45.2   | 44.9-155        |      | %REC                | 1  | 10/3/2013 9:38:00 PM   |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.415           |      | µg/Kg-dry           | 1  | 10/3/2013 7:54:00 PM   |
| Aroclor 1221                         | ND     | 0.415           |      | µg/Kg-dry           | 1  | 10/3/2013 7:54:00 PM   |
| Aroclor 1232                         | ND     | 0.415           |      | µg/Kg-dry           | 1  | 10/3/2013 7:54:00 PM   |
| Aroclor 1242                         | ND     | 0.415           |      | µg/Kg-dry           | 1  | 10/3/2013 7:54:00 PM   |
| Aroclor 1248                         | ND     | 0.415           |      | µg/Kg-dry           | 1  | 10/3/2013 7:54:00 PM   |
| Aroclor 1254                         | 5.73   | 0.415           |      | µg/Kg-dry           | 1  | 10/3/2013 7:54:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 11:10:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-009

**Client Sample ID:** CS4-S-1.5-W7

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.415           |      | µg/Kg-dry | 1  | 10/3/2013 7:54:00 PM |
| Aroclor 1262             | ND     | 0.415           |      | µg/Kg-dry | 1  | 10/3/2013 7:54:00 PM |
| Aroclor 1268             | ND     | 0.415           |      | µg/Kg-dry | 1  | 10/3/2013 7:54:00 PM |
| Surr: Decachlorobiphenyl | 57.2   | 56.5-130        |      | %REC      | 1  | 10/3/2013 7:54:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-010  
**Client Sample ID:** CS4-S-1.5-W6

**Collection Date:** 10/2/2013 11:00:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 22.6            |      | mg/Kg-dry           | 1  | 10/3/2013 7:40:00 PM   |
| Lube Oil                             | ND     | 75.2            |      | mg/Kg-dry           | 1  | 10/3/2013 7:40:00 PM   |
| Surr: o-Terphenyl                    | 82.1   | 50-150          |      | %REC                | 1  | 10/3/2013 7:40:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.019           |      | mg/Kg-dry           | 1  | 10/3/2013 5:00:00 PM   |
| Xylenes, Total                       | ND     | 1.1             |      | mg/Kg-dry           | 1  | 10/3/2013 5:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 51.0   | 42.6-126        |      | %REC                | 1  | 10/3/2013 5:00:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 9.47            |      | mg/Kg-dry           | 1  | 10/3/2013 5:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 55.4   | 50-150          |      | %REC                | 1  | 10/3/2013 5:00:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.69            |      | mg/Kg-dry           | 1  | 10/3/2013 6:47:40 PM   |
| Cadmium                              | ND     | 0.134           |      | mg/Kg-dry           | 1  | 10/3/2013 6:47:40 PM   |
| Lead                                 | 95.1   | 2.69            |      | mg/Kg-dry           | 1  | 10/3/2013 6:47:40 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.177  | 0.0241          |      | mg/Kg-dry           | 1  | 10/11/2013 10:37:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 10.0            |      | µg/Kg-dry           | 1  | 10/3/2013 10:06:00 PM  |
| Benzo(a)pyrene                       | ND     | 10.0            |      | µg/Kg-dry           | 1  | 10/3/2013 10:06:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 10.0            |      | µg/Kg-dry           | 1  | 10/3/2013 10:06:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 10.0            |      | µg/Kg-dry           | 1  | 10/3/2013 10:06:00 PM  |
| Chrysene                             | ND     | 10.0            |      | µg/Kg-dry           | 1  | 10/3/2013 10:06:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 10.0            |      | µg/Kg-dry           | 1  | 10/3/2013 10:06:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 10.0            |      | µg/Kg-dry           | 1  | 10/3/2013 10:06:00 PM  |
| Surr: 2-Fluorobiphenyl               | 58.4   | 42.6-128        |      | %REC                | 1  | 10/3/2013 10:06:00 PM  |
| Surr: Nitrobenzene-d5                | 59.2   | 21.7-155        |      | %REC                | 1  | 10/3/2013 10:06:00 PM  |
| Surr: p-Terphenyl-d14                | 50.5   | 44.9-155        |      | %REC                | 1  | 10/3/2013 10:06:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.501           |      | µg/Kg-dry           | 1  | 10/3/2013 8:12:00 PM   |
| Aroclor 1221                         | ND     | 0.501           |      | µg/Kg-dry           | 1  | 10/3/2013 8:12:00 PM   |
| Aroclor 1232                         | ND     | 0.501           |      | µg/Kg-dry           | 1  | 10/3/2013 8:12:00 PM   |
| Aroclor 1242                         | ND     | 0.501           |      | µg/Kg-dry           | 1  | 10/3/2013 8:12:00 PM   |
| Aroclor 1248                         | ND     | 0.501           |      | µg/Kg-dry           | 1  | 10/3/2013 8:12:00 PM   |
| Aroclor 1254                         | 3.21   | 0.501           |      | µg/Kg-dry           | 1  | 10/3/2013 8:12:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 11:00:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-010

**Client Sample ID:** CS4-S-1.5-W6

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.501           |      | µg/Kg-dry | 1  | 10/3/2013 8:12:00 PM |
| Aroclor 1262             | ND     | 0.501           |      | µg/Kg-dry | 1  | 10/3/2013 8:12:00 PM |
| Aroclor 1268             | ND     | 0.501           |      | µg/Kg-dry | 1  | 10/3/2013 8:12:00 PM |
| Surr: Decachlorobiphenyl | 60.5   | 56.5-130        |      | %REC      | 1  | 10/3/2013 8:12:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-011  
**Client Sample ID:** CS4-S-1.5-W8

**Collection Date:** 10/2/2013 11:20:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 21.0            |      | mg/Kg-dry           | 1  | 10/3/2013 8:00:00 PM   |
| Lube Oil                             | ND     | 70.1            |      | mg/Kg-dry           | 1  | 10/3/2013 8:00:00 PM   |
| Surr: o-Terphenyl                    | 78.5   | 50-150          |      | %REC                | 1  | 10/3/2013 8:00:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.016           |      | mg/Kg-dry           | 1  | 10/3/2013 5:30:00 PM   |
| Xylenes, Total                       | ND     | 0.97            |      | mg/Kg-dry           | 1  | 10/3/2013 5:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 49.3   | 42.6-126        |      | %REC                | 1  | 10/3/2013 5:30:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 6.94            |      | mg/Kg-dry           | 1  | 10/3/2013 5:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 55.1   | 50-150          |      | %REC                | 1  | 10/3/2013 5:30:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.60            |      | mg/Kg-dry           | 1  | 10/3/2013 6:52:42 PM   |
| Cadmium                              | ND     | 0.130           |      | mg/Kg-dry           | 1  | 10/3/2013 6:52:42 PM   |
| Lead                                 | ND     | 2.60            |      | mg/Kg-dry           | 1  | 10/3/2013 6:52:42 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.141  | 0.0217          |      | mg/Kg-dry           | 1  | 10/11/2013 10:41:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 9.36            |      | µg/Kg-dry           | 1  | 10/3/2013 10:34:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.36            |      | µg/Kg-dry           | 1  | 10/3/2013 10:34:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.36            |      | µg/Kg-dry           | 1  | 10/3/2013 10:34:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.36            |      | µg/Kg-dry           | 1  | 10/3/2013 10:34:00 PM  |
| Chrysene                             | ND     | 9.36            |      | µg/Kg-dry           | 1  | 10/3/2013 10:34:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.36            |      | µg/Kg-dry           | 1  | 10/3/2013 10:34:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.36            |      | µg/Kg-dry           | 1  | 10/3/2013 10:34:00 PM  |
| Surr: 2-Fluorobiphenyl               | 45.8   | 42.6-128        |      | %REC                | 1  | 10/3/2013 10:34:00 PM  |
| Surr: Nitrobenzene-d5                | 54.9   | 21.7-155        |      | %REC                | 1  | 10/3/2013 10:34:00 PM  |
| Surr: p-Terphenyl-d14                | 51.3   | 44.9-155        |      | %REC                | 1  | 10/3/2013 10:34:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.467           |      | µg/Kg-dry           | 1  | 10/3/2013 8:30:00 PM   |
| Aroclor 1221                         | ND     | 0.467           |      | µg/Kg-dry           | 1  | 10/3/2013 8:30:00 PM   |
| Aroclor 1232                         | ND     | 0.467           |      | µg/Kg-dry           | 1  | 10/3/2013 8:30:00 PM   |
| Aroclor 1242                         | ND     | 0.467           |      | µg/Kg-dry           | 1  | 10/3/2013 8:30:00 PM   |
| Aroclor 1248                         | ND     | 0.467           |      | µg/Kg-dry           | 1  | 10/3/2013 8:30:00 PM   |
| Aroclor 1254                         | ND     | 0.467           |      | µg/Kg-dry           | 1  | 10/3/2013 8:30:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 11:20:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-011

**Client Sample ID:** CS4-S-1.5-W8

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.467           |      | µg/Kg-dry | 1  | 10/3/2013 8:30:00 PM |
| Aroclor 1262             | ND     | 0.467           |      | µg/Kg-dry | 1  | 10/3/2013 8:30:00 PM |
| Aroclor 1268             | ND     | 0.467           |      | µg/Kg-dry | 1  | 10/3/2013 8:30:00 PM |
| Surr: Decachlorobiphenyl | 48.6   | 56.5-130        | SMI  | %REC      | 1  | 10/3/2013 8:30:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-012  
**Client Sample ID:** CS4-S-3.0-F2

**Collection Date:** 10/2/2013 11:30:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit      | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Diesel                               | 31.8   | 22.9            |      | mg/Kg-dry | 1  | 10/3/2013 8:20:00 PM   |
| Lube Oil                             | 136    | 76.5            |      | mg/Kg-dry | 1  | 10/3/2013 8:20:00 PM   |
| Surr: o-Terphenyl                    | 85.5   | 50-150          |      | %REC      | 1  | 10/3/2013 8:20:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      |           |    | Analyst: <b>JRC</b>    |
| Benzene                              | ND     | 0.018           |      | mg/Kg-dry | 1  | 10/3/2013 6:00:00 PM   |
| Xylenes, Total                       | ND     | 1.1             |      | mg/Kg-dry | 1  | 10/3/2013 6:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 46.4   | 42.6-126        |      | %REC      | 1  | 10/3/2013 6:00:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      |           |    | Analyst: <b>JRC</b>    |
| Gasoline                             | ND     | 8.79            |      | mg/Kg-dry | 1  | 10/3/2013 6:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 50.4   | 50-150          |      | %REC      | 1  | 10/3/2013 6:00:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      |           |    | Analyst: <b>ZL</b>     |
| Arsenic                              | ND     | 2.73            |      | mg/Kg-dry | 1  | 10/3/2013 6:57:45 PM   |
| Cadmium                              | ND     | 0.137           |      | mg/Kg-dry | 1  | 10/3/2013 6:57:45 PM   |
| Lead                                 | ND     | 2.73            |      | mg/Kg-dry | 1  | 10/3/2013 6:57:45 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      |           |    | Analyst: <b>ZL</b>     |
| Mercury                              | 0.194  | 0.0237          |      | mg/Kg-dry | 1  | 10/11/2013 10:45:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      |           |    | Analyst: <b>bda</b>    |
| Benz(a)anthracene                    | ND     | 10.2            |      | µg/Kg-dry | 1  | 10/3/2013 11:02:00 PM  |
| Benzo(a)pyrene                       | ND     | 10.2            |      | µg/Kg-dry | 1  | 10/3/2013 11:02:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 10.2            |      | µg/Kg-dry | 1  | 10/3/2013 11:02:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 10.2            |      | µg/Kg-dry | 1  | 10/3/2013 11:02:00 PM  |
| Chrysene                             | ND     | 10.2            |      | µg/Kg-dry | 1  | 10/3/2013 11:02:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 10.2            |      | µg/Kg-dry | 1  | 10/3/2013 11:02:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 10.2            |      | µg/Kg-dry | 1  | 10/3/2013 11:02:00 PM  |
| Surr: 2-Fluorobiphenyl               | 57.3   | 42.6-128        |      | %REC      | 1  | 10/3/2013 11:02:00 PM  |
| Surr: Nitrobenzene-d5                | 60.2   | 21.7-155        |      | %REC      | 1  | 10/3/2013 11:02:00 PM  |
| Surr: p-Terphenyl-d14                | 51.6   | 44.9-155        |      | %REC      | 1  | 10/3/2013 11:02:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>    |
| Aroclor 1016                         | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM   |
| Aroclor 1221                         | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM   |
| Aroclor 1232                         | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM   |
| Aroclor 1242                         | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM   |
| Aroclor 1248                         | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM   |
| Aroclor 1254                         | 4.59   | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM   |



# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 11:30:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-012

**Client Sample ID:** CS4-S-3.0-F2

**Matrix:** SOIL

---

| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM |
| Aroclor 1262             | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM |
| Aroclor 1268             | ND     | 0.509           |      | µg/Kg-dry | 1  | 10/3/2013 8:48:00 PM |
| Surr: Decachlorobiphenyl | 68.4   | 56.5-130        |      | %REC      | 1  | 10/3/2013 8:48:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-013  
**Client Sample ID:** CS6-S-1.25-W7

**Collection Date:** 10/2/2013 11:50:00 AM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 18.3            |      | mg/Kg-dry           | 1  | 10/3/2013 8:40:00 PM   |
| Lube Oil                             | ND     | 61.2            |      | mg/Kg-dry           | 1  | 10/3/2013 8:40:00 PM   |
| Surr: o-Terphenyl                    | 84.7   | 50-150          |      | %REC                | 1  | 10/3/2013 8:40:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | 0.029  | 0.013           |      | mg/Kg-dry           | 1  | 10/3/2013 6:30:00 PM   |
| Xylenes, Total                       | ND     | 0.76            |      | mg/Kg-dry           | 1  | 10/3/2013 6:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 48.1   | 42.6-126        |      | %REC                | 1  | 10/3/2013 6:30:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 6.36            |      | mg/Kg-dry           | 1  | 10/3/2013 6:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 56.5   | 50-150          |      | %REC                | 1  | 10/3/2013 6:30:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.27            |      | mg/Kg-dry           | 1  | 10/3/2013 7:02:48 PM   |
| Cadmium                              | 0.147  | 0.113           |      | mg/Kg-dry           | 1  | 10/3/2013 7:02:48 PM   |
| Lead                                 | 26.0   | 2.27            |      | mg/Kg-dry           | 1  | 10/3/2013 7:02:48 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.105  | 0.0189          |      | mg/Kg-dry           | 1  | 10/11/2013 10:49:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 8.16            |      | µg/Kg-dry           | 1  | 10/3/2013 11:30:00 PM  |
| Benzo(a)pyrene                       | ND     | 8.16            |      | µg/Kg-dry           | 1  | 10/3/2013 11:30:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 8.16            |      | µg/Kg-dry           | 1  | 10/3/2013 11:30:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 8.16            |      | µg/Kg-dry           | 1  | 10/3/2013 11:30:00 PM  |
| Chrysene                             | ND     | 8.16            |      | µg/Kg-dry           | 1  | 10/3/2013 11:30:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 8.16            |      | µg/Kg-dry           | 1  | 10/3/2013 11:30:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 8.16            |      | µg/Kg-dry           | 1  | 10/3/2013 11:30:00 PM  |
| Surr: 2-Fluorobiphenyl               | 57.6   | 42.6-128        |      | %REC                | 1  | 10/3/2013 11:30:00 PM  |
| Surr: Nitrobenzene-d5                | 47.7   | 21.7-155        |      | %REC                | 1  | 10/3/2013 11:30:00 PM  |
| Surr: p-Terphenyl-d14                | 46.6   | 44.9-155        |      | %REC                | 1  | 10/3/2013 11:30:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.407           |      | µg/Kg-dry           | 1  | 10/3/2013 9:06:00 PM   |
| Aroclor 1221                         | ND     | 0.407           |      | µg/Kg-dry           | 1  | 10/3/2013 9:06:00 PM   |
| Aroclor 1232                         | ND     | 0.407           |      | µg/Kg-dry           | 1  | 10/3/2013 9:06:00 PM   |
| Aroclor 1242                         | ND     | 0.407           |      | µg/Kg-dry           | 1  | 10/3/2013 9:06:00 PM   |
| Aroclor 1248                         | ND     | 0.407           |      | µg/Kg-dry           | 1  | 10/3/2013 9:06:00 PM   |
| Aroclor 1254                         | 4.00   | 0.407           |      | µg/Kg-dry           | 1  | 10/3/2013 9:06:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 11:50:00 AM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-013

**Client Sample ID:** CS6-S-1.25-W7

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.407           |      | µg/Kg-dry | 1  | 10/3/2013 9:06:00 PM |
| Aroclor 1262             | ND     | 0.407           |      | µg/Kg-dry | 1  | 10/3/2013 9:06:00 PM |
| Aroclor 1268             | ND     | 0.407           |      | µg/Kg-dry | 1  | 10/3/2013 9:06:00 PM |
| Surr: Decachlorobiphenyl | 59.6   | 56.5-130        |      | %REC      | 1  | 10/3/2013 9:06:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-014  
**Client Sample ID:** C6-S-1.25-W6

**Collection Date:** 10/2/2013 12:00:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 22.1            |      | mg/Kg-dry           | 1  | 10/3/2013 9:00:00 PM   |
| Lube Oil                             | ND     | 73.8            |      | mg/Kg-dry           | 1  | 10/3/2013 9:00:00 PM   |
| Surr: o-Terphenyl                    | 53.2   | 50-150          |      | %REC                | 1  | 10/3/2013 9:00:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.019           |      | mg/Kg-dry           | 1  | 10/3/2013 7:00:00 PM   |
| Xylenes, Total                       | ND     | 1.2             |      | mg/Kg-dry           | 1  | 10/3/2013 7:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 54.2   | 42.6-126        |      | %REC                | 1  | 10/3/2013 7:00:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 9.66            |      | mg/Kg-dry           | 1  | 10/3/2013 7:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 60.1   | 50-150          |      | %REC                | 1  | 10/3/2013 7:00:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.84            |      | mg/Kg-dry           | 1  | 10/3/2013 7:07:52 PM   |
| Cadmium                              | 0.653  | 0.142           |      | mg/Kg-dry           | 1  | 10/3/2013 7:07:52 PM   |
| Lead                                 | 4.27   | 2.84            |      | mg/Kg-dry           | 1  | 10/3/2013 7:07:52 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.145  | 0.0228          |      | mg/Kg-dry           | 1  | 10/11/2013 10:53:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 9.84            |      | µg/Kg-dry           | 1  | 10/3/2013 11:58:00 PM  |
| Benzo(a)pyrene                       | ND     | 9.84            |      | µg/Kg-dry           | 1  | 10/3/2013 11:58:00 PM  |
| Benzo(b)fluoranthene                 | ND     | 9.84            |      | µg/Kg-dry           | 1  | 10/3/2013 11:58:00 PM  |
| Benzo(k)fluoranthene                 | ND     | 9.84            |      | µg/Kg-dry           | 1  | 10/3/2013 11:58:00 PM  |
| Chrysene                             | ND     | 9.84            |      | µg/Kg-dry           | 1  | 10/3/2013 11:58:00 PM  |
| Dibenz(a,h)anthracene                | ND     | 9.84            |      | µg/Kg-dry           | 1  | 10/3/2013 11:58:00 PM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 9.84            |      | µg/Kg-dry           | 1  | 10/3/2013 11:58:00 PM  |
| Surr: 2-Fluorobiphenyl               | 55.4   | 42.6-128        |      | %REC                | 1  | 10/3/2013 11:58:00 PM  |
| Surr: Nitrobenzene-d5                | 54.7   | 21.7-155        |      | %REC                | 1  | 10/3/2013 11:58:00 PM  |
| Surr: p-Terphenyl-d14                | 53.9   | 44.9-155        |      | %REC                | 1  | 10/3/2013 11:58:00 PM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.491           |      | µg/Kg-dry           | 1  | 10/3/2013 9:24:00 PM   |
| Aroclor 1221                         | ND     | 0.491           |      | µg/Kg-dry           | 1  | 10/3/2013 9:24:00 PM   |
| Aroclor 1232                         | ND     | 0.491           |      | µg/Kg-dry           | 1  | 10/3/2013 9:24:00 PM   |
| Aroclor 1242                         | ND     | 0.491           |      | µg/Kg-dry           | 1  | 10/3/2013 9:24:00 PM   |
| Aroclor 1248                         | ND     | 0.491           |      | µg/Kg-dry           | 1  | 10/3/2013 9:24:00 PM   |
| Aroclor 1254                         | ND     | 0.491           |      | µg/Kg-dry           | 1  | 10/3/2013 9:24:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 12:00:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-014

**Client Sample ID:** C6-S-1.25-W6

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.491           |      | µg/Kg-dry | 1  | 10/3/2013 9:24:00 PM |
| Aroclor 1262             | ND     | 0.491           |      | µg/Kg-dry | 1  | 10/3/2013 9:24:00 PM |
| Aroclor 1268             | ND     | 0.491           |      | µg/Kg-dry | 1  | 10/3/2013 9:24:00 PM |
| Surr: Decachlorobiphenyl | 44.7   | 56.5-130        | S    | %REC      | 1  | 10/3/2013 9:24:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-015  
**Client Sample ID:** CS6-S-2.5-F4

**Collection Date:** 10/2/2013 12:10:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 17.6            |      | mg/Kg-dry           | 1  | 10/3/2013 9:20:00 PM   |
| Lube Oil                             | ND     | 58.6            |      | mg/Kg-dry           | 1  | 10/3/2013 9:20:00 PM   |
| Surr: o-Terphenyl                    | 42.9   | 50-150          | SMI  | %REC                | 1  | 10/3/2013 9:20:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.010           |      | mg/Kg-dry           | 1  | 10/3/2013 7:30:00 PM   |
| Xylenes, Total                       | ND     | 0.63            |      | mg/Kg-dry           | 1  | 10/3/2013 7:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 55.1   | 42.6-126        |      | %REC                | 1  | 10/3/2013 7:30:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 5.22            |      | mg/Kg-dry           | 1  | 10/3/2013 7:30:00 PM   |
| Surr: 4-Bromofluorobenzene           | 57.8   | 50-150          |      | %REC                | 1  | 10/3/2013 7:30:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.25            |      | mg/Kg-dry           | 1  | 10/3/2013 7:12:55 PM   |
| Cadmium                              | 0.315  | 0.113           |      | mg/Kg-dry           | 1  | 10/3/2013 7:12:55 PM   |
| Lead                                 | ND     | 2.25            |      | mg/Kg-dry           | 1  | 10/3/2013 7:12:55 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.190  | 0.0181          |      | mg/Kg-dry           | 1  | 10/11/2013 10:57:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 7.81            |      | µg/Kg-dry           | 1  | 10/4/2013 12:26:00 AM  |
| Benzo(a)pyrene                       | ND     | 7.81            |      | µg/Kg-dry           | 1  | 10/4/2013 12:26:00 AM  |
| Benzo(b)fluoranthene                 | ND     | 7.81            |      | µg/Kg-dry           | 1  | 10/4/2013 12:26:00 AM  |
| Benzo(k)fluoranthene                 | ND     | 7.81            |      | µg/Kg-dry           | 1  | 10/4/2013 12:26:00 AM  |
| Chrysene                             | ND     | 7.81            |      | µg/Kg-dry           | 1  | 10/4/2013 12:26:00 AM  |
| Dibenz(a,h)anthracene                | ND     | 7.81            |      | µg/Kg-dry           | 1  | 10/4/2013 12:26:00 AM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 7.81            |      | µg/Kg-dry           | 1  | 10/4/2013 12:26:00 AM  |
| Surr: 2-Fluorobiphenyl               | 53.1   | 42.6-128        |      | %REC                | 1  | 10/4/2013 12:26:00 AM  |
| Surr: Nitrobenzene-d5                | 49.6   | 21.7-155        |      | %REC                | 1  | 10/4/2013 12:26:00 AM  |
| Surr: p-Terphenyl-d14                | 51.4   | 44.9-155        |      | %REC                | 1  | 10/4/2013 12:26:00 AM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.390           |      | µg/Kg-dry           | 1  | 10/3/2013 9:42:00 PM   |
| Aroclor 1221                         | ND     | 0.390           |      | µg/Kg-dry           | 1  | 10/3/2013 9:42:00 PM   |
| Aroclor 1232                         | ND     | 0.390           |      | µg/Kg-dry           | 1  | 10/3/2013 9:42:00 PM   |
| Aroclor 1242                         | ND     | 0.390           |      | µg/Kg-dry           | 1  | 10/3/2013 9:42:00 PM   |
| Aroclor 1248                         | ND     | 0.390           |      | µg/Kg-dry           | 1  | 10/3/2013 9:42:00 PM   |
| Aroclor 1254                         | ND     | 0.390           |      | µg/Kg-dry           | 1  | 10/3/2013 9:42:00 PM   |

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 12:10:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-015

**Client Sample ID:** CS6-S-2.5-F4

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed        |
|--------------------------|--------|-----------------|------|-----------|----|----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>  |
| Aroclor 1260             | ND     | 0.390           |      | µg/Kg-dry | 1  | 10/3/2013 9:42:00 PM |
| Aroclor 1262             | ND     | 0.390           |      | µg/Kg-dry | 1  | 10/3/2013 9:42:00 PM |
| Aroclor 1268             | ND     | 0.390           |      | µg/Kg-dry | 1  | 10/3/2013 9:42:00 PM |
| Surr: Decachlorobiphenyl | 85.2   | 56.5-130        |      | %REC      | 1  | 10/3/2013 9:42:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-016  
**Client Sample ID:** CS6-S-2.5-F5

**Collection Date:** 10/2/2013 12:20:00 PM

**Matrix:** SOIL

| Analyses                             | Result | RL              | Qual | Unit                | DF | Date Analyzed          |
|--------------------------------------|--------|-----------------|------|---------------------|----|------------------------|
| <b>NWTPH-DX</b>                      |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Diesel                               | ND     | 20.2            |      | mg/Kg-dry           | 1  | 10/3/2013 9:40:00 PM   |
| Lube Oil                             | ND     | 67.3            |      | mg/Kg-dry           | 1  | 10/3/2013 9:40:00 PM   |
| Surr: o-Terphenyl                    | 72.3   | 50-150          |      | %REC                | 1  | 10/3/2013 9:40:00 PM   |
| <b>BTEX BY 8021/5035</b>             |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |    |                        |
| Benzene                              | ND     | 0.014           |      | mg/Kg-dry           | 1  | 10/3/2013 8:00:00 PM   |
| Xylenes, Total                       | ND     | 0.82            |      | mg/Kg-dry           | 1  | 10/3/2013 8:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 49.5   | 42.6-126        |      | %REC                | 1  | 10/3/2013 8:00:00 PM   |
| <b>NWTPH-GX</b>                      |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |    |                        |
| Gasoline                             | ND     | 6.86            |      | mg/Kg-dry           | 1  | 10/3/2013 8:00:00 PM   |
| Surr: 4-Bromofluorobenzene           | 54.2   | 50-150          |      | %REC                | 1  | 10/3/2013 8:00:00 PM   |
| <b>ICP METALS- TOTAL RECOVERABLE</b> |        | <b>SW6010C</b>  |      | Analyst: <b>ZL</b>  |    |                        |
| Arsenic                              | ND     | 2.59            |      | mg/Kg-dry           | 1  | 10/3/2013 7:17:58 PM   |
| Cadmium                              | ND     | 0.129           |      | mg/Kg-dry           | 1  | 10/3/2013 7:17:58 PM   |
| Lead                                 | ND     | 2.59            |      | mg/Kg-dry           | 1  | 10/3/2013 7:17:58 PM   |
| <b>TOTAL MERCURY</b>                 |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |    |                        |
| Mercury                              | 0.0874 | 0.0208          |      | mg/Kg-dry           | 1  | 10/11/2013 11:05:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>    |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |    |                        |
| Benz(a)anthracene                    | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/4/2013 12:54:00 AM  |
| Benzo(a)pyrene                       | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/4/2013 12:54:00 AM  |
| Benzo(b)fluoranthene                 | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/4/2013 12:54:00 AM  |
| Benzo(k)fluoranthene                 | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/4/2013 12:54:00 AM  |
| Chrysene                             | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/4/2013 12:54:00 AM  |
| Dibenz(a,h)anthracene                | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/4/2013 12:54:00 AM  |
| Indeno(1,2,3-cd)pyrene               | ND     | 8.98            |      | µg/Kg-dry           | 1  | 10/4/2013 12:54:00 AM  |
| Surr: 2-Fluorobiphenyl               | 52.2   | 42.6-128        |      | %REC                | 1  | 10/4/2013 12:54:00 AM  |
| Surr: Nitrobenzene-d5                | 44.6   | 21.7-155        |      | %REC                | 1  | 10/4/2013 12:54:00 AM  |
| Surr: p-Terphenyl-d14                | 43.6   | 44.9-155        | S    | %REC                | 1  | 10/4/2013 12:54:00 AM  |
| <b>PCB'S IN SOLIDS</b>               |        | <b>SW 8082A</b> |      | Analyst: <b>JRC</b> |    |                        |
| Aroclor 1016                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 10:00:00 PM  |
| Aroclor 1221                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 10:00:00 PM  |
| Aroclor 1232                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 10:00:00 PM  |
| Aroclor 1242                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 10:00:00 PM  |
| Aroclor 1248                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 10:00:00 PM  |
| Aroclor 1254                         | ND     | 0.448           |      | µg/Kg-dry           | 1  | 10/3/2013 10:00:00 PM  |



# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 12:20:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-016

**Client Sample ID:** CS6-S-2.5-F5

**Matrix:** SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>JRC</b>   |
| Aroclor 1260             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 10:00:00 PM |
| Aroclor 1262             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 10:00:00 PM |
| Aroclor 1268             | ND     | 0.448           |      | µg/Kg-dry | 1  | 10/3/2013 10:00:00 PM |
| Surr: Decachlorobiphenyl | 66.1   | 56.5-130        |      | %REC      | 1  | 10/3/2013 10:00:00 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 2:30:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-017

**Client Sample ID:** SP2-S-1

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 0.6845 | 0.1000         |      | mg/L | 1  | 10/4/2013 3:25:46 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 2:40:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-018

**Client Sample ID:** SP2-S-2

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 1.192  | 0.1000         |      | mg/L | 1  | 10/4/2013 3:31:06 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 2:50:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-019

**Client Sample ID:** SP2-S-3

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 1.071  | 0.1000         |      | mg/L | 1  | 10/4/2013 3:36:27 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 3:00:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-020

**Client Sample ID:** SP2-S-4

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 10.89  | 0.1000         |      | mg/L | 1  | 10/4/2013 3:41:48 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 3:10:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-021

**Client Sample ID:** SP2-S-5

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 2.681  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:02:30 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-022  
**Client Sample ID:** SP2-S-6

**Collection Date:** 10/2/2013 3:20:00 PM

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 5.910  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:07:50 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 3:30:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-023

**Client Sample ID:** SP2-S-7

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 1.149  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:13:10 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 3:40:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-024

**Client Sample ID:** SP2-S-8

**Matrix:** SOIL

---

| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 2.037  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:18:20 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310044-025  
**Client Sample ID:** SP2-S-9

**Collection Date:** 10/2/2013 3:50:00 PM

**Matrix:** SOIL

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| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 2.075  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:23:43 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 4:00:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-026

**Client Sample ID:** SP2-S-10

**Matrix:** SOIL

---

| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 3.041  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:29:06 PM |

---

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 4:10:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-027

**Client Sample ID:** SP2-S-11

**Matrix:** SOIL

---

| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 1.410  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:34:28 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 4:20:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-028

**Client Sample ID:** SP2-S-12

**Matrix:** SOIL

---

| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 1.145  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:39:49 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 4:30:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-029

**Client Sample ID:** SP2-S-13

**Matrix:** SOIL

---

| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 2.264  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:45:09 PM |

---

# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 4:40:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-030

**Client Sample ID:** SP2-S-14

**Matrix:** SOIL

---

| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 8.320  | 0.1000         |      | mg/L | 1  | 10/4/2013 4:50:30 PM |

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# Specialty Analytical

Date Reported:

**CLIENT:** Maul Foster & Alongi

**Collection Date:** 10/2/2013 4:50:00 PM

**Project:** Kelso / 0443.02.02

**Lab ID:** 1310044-031

**Client Sample ID:** SP2-S-15

**Matrix:** SOIL

---

| Analyses                             | Result | RL             | Qual | Unit | DF | Date Analyzed        |
|--------------------------------------|--------|----------------|------|------|----|----------------------|
| <b>TCLP METALS ICP METALS- TOTAL</b> |        | <b>SW6010C</b> |      |      |    | Analyst: <b>ZL</b>   |
| Lead,TCLP                            | 0.6760 | 0.1000         |      | mg/L | 1  | 10/4/2013 5:11:10 PM |

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# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

|                       |                       |                         |                     |             |                                 |                      |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|-------------|---------------------------------|----------------------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> |             | Prep Date:                      | RunNo: <b>11721</b>  |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148377</b> |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                            | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 95.9                  | 2.00                    | 100.0               | 0           | 95.9                            | 90                   | 110       |             |      |          |      |
| Cadmium               | 4.87                  | 0.100                   | 5.000               | 0           | 97.4                            | 90                   | 110       |             |      |          |      |
| Lead                  | 97.8                  | 2.00                    | 100.0               | 0           | 97.8                            | 90                   | 110       |             |      |          |      |

|                       |                       |                         |                     |             |                                 |                      |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|-------------|---------------------------------|----------------------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> |             | Prep Date:                      | RunNo: <b>11721</b>  |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148378</b> |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                            | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 100                   | 2.00                    | 100.0               | 0           | 100                             | 90                   | 110       |             |      |          |      |
| Cadmium               | 5.05                  | 0.100                   | 5.000               | 0           | 101                             | 90                   | 110       |             |      |          |      |
| Lead                  | 102                   | 2.00                    | 100.0               | 0           | 102                             | 90                   | 110       |             |      |          |      |

|                             |                       |                         |                     |             |                                 |                      |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|-------------|---------------------------------|----------------------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-5963</b> | SampType: <b>MBLK</b> | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> |             | Prep Date:                      | RunNo: <b>11721</b>  |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148379</b> |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                            | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 2.00                    |                     |             |                                 |                      |           |             |      |          |      |
| Cadmium                     | ND                    | 0.100                   |                     |             |                                 |                      |           |             |      |          |      |
| Lead                        | ND                    | 2.00                    |                     |             |                                 |                      |           |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 1 of 20 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

|                            |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5963</b> | SampType: <b>LCS</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11721</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148380</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 97.9                  | 2.00                    | 100.0               | 0                               | 97.9                 | 85.1     | 107       |             |      |          |      |
| Cadmium                    | 5.05                  | 0.100                   | 5.000               | 0                               | 101                  | 87.2     | 115       |             |      |          |      |
| Lead                       | 102                   | 2.00                    | 100.0               | 0                               | 102                  | 84.9     | 109       |             |      |          |      |

|                       |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11721</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148381</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 97.0                  | 2.00                    | 100.0               | 0                               | 97.0                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4.99                  | 0.100                   | 5.000               | 0                               | 99.8                 | 90       | 110       |             |      |          |      |
| Lead                  | 101                   | 2.00                    | 100.0               | 0                               | 101                  | 90       | 110       |             |      |          |      |

|                                   |                       |                         |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310032-003ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11721</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148383</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | ND                    | 2.00                    |                     |                                 |                      |          |           | 0           | 0    | 20       |      |
| Cadmium                           | ND                    | 0.100                   |                     |                                 |                      |          |           | 0           | 0    | 20       |      |
| Lead                              | ND                    | 2.00                    |                     |                                 |                      |          |           | 0           | 0    | 20       |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 2 of 20 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

| Sample ID: <b>1310032-003AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11721</b>  |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148385</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                          | 73.8                  | 2.00                    | 100.0               | 0                               | 73.8                 | 86.1     | 109       |             |      |          | S    |
| Cadmium                          | 4.06                  | 0.100                   | 5.000               | 0                               | 81.2                 | 86.4     | 115       |             |      |          | S    |
| Lead                             | 82.0                  | 2.00                    | 100.0               | 0                               | 82.0                 | 84.9     | 109       |             |      |          | S    |

| Sample ID: <b>1310032-003AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11721</b>  |          |           |             |       |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|-------|----------|------|
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148386</b> |          |           |             |       |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD  | RPDLimit | Qual |
| Arsenic                           | 75.6                  | 2.00                    | 100.0               | 0                               | 75.6                 | 86.1     | 109       | 73.78       | 2.37  | 20       | S    |
| Cadmium                           | 4.02                  | 0.100                   | 5.000               | 0                               | 80.4                 | 86.4     | 115       | 4.060       | 0.990 | 20       | S    |
| Lead                              | 83.3                  | 2.00                    | 100.0               | 0                               | 83.3                 | 84.9     | 109       | 82.01       | 1.54  | 20       | S    |

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11721</b>  |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148393</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 98.2                  | 2.00                    | 100.0               | 0                               | 98.2                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4.97                  | 0.100                   | 5.000               | 0                               | 99.4                 | 90       | 110       |             |      |          |      |
| Lead                  | 102                   | 2.00                    | 100.0               | 0                               | 102                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_S

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11721</b>  |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>5963</b> | TestNo: <b>SW6010C</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148404</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 99.1                  | 2.00                    | 100.0               | 0                               | 99.1                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4.98                  | 0.100                   | 5.000               | 0                               | 99.6                 | 90       | 110       |             |      |          |      |
| Lead                  | 102                   | 2.00                    | 100.0               | 0                               | 102                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_W

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148628</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP             | 1.037                 | 0.02000                 | 1.000              | 0                               | 104                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148629</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP             | 0.9737                | 0.02000                 | 1.000              | 0                               | 97.4                 | 90       | 110       |             |      |          |      |

|                             |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-5974</b> | SampType: <b>MBLK</b> | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>PBW</b>       | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148630</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP                   | ND                    | 0.02000                 |                    |                                 |                      |          |           |             |      |          |      |

|                            |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5974</b> | SampType: <b>LCS</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/4/2013</b>     | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSW</b>     | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148631</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP                  | 0.9732                | 0.02000                 | 1.000              | 0                               | 97.3                 | 93.1     | 112       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 5 of 20 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_W

|                                   |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310031-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/4/2013</b>     | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148633</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP                         | 0.1225                | 0.1000                  |                    |                                 |                      |          |           | 0.1035      | 16.8 | 20       |      |

|                                  |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310031-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/4/2013</b>     | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148634</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP                        | 4.766                 | 0.1000                  | 5.000              | 0.1035                          | 93.3                 | 91.9     | 112       |             |      |          |      |

|                                   |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310031-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date: <b>10/4/2013</b>     | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148635</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP                         | 4.928                 | 0.1000                  | 5.000              | 0.1035                          | 96.5                 | 91.9     | 112       | 4.766       | 3.35 | 20       |      |

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148640</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP             | 1.022                 | 0.02000                 | 1.000              | 0                               | 102                  | 90       | 110       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 6 of 20 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |              |

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6010\_W

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148651</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP             | 1.005                 | 0.02000                 | 1.000              | 0                               | 101                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                    |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6010_W</b> | Units: <b>mg/L</b> | Prep Date:                      | RunNo: <b>11737</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5974</b> | TestNo: <b>SW6010C</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/4/2013</b> | SeqNo: <b>148655</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead,TCLP             | 1.007                 | 0.02000                 | 1.000              | 0                               | 101                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11728</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5965</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148493</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 68.7                  | 0.333                     | 66.67               | 0                               | 103                  | 85       | 115       |             |      |          |      |
| Aroclor 1254          | 71.9                  | 0.333                     | 66.67               | 0                               | 108                  | 85       | 115       |             |      |          |      |

|                           |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5965</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11728</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5965</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148494</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1221              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1232              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1242              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1248              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1254              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1260              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1262              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1268              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl  | 5210                  |                           | 6667                |                                 | 78.1                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5965</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11728</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5965</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148495</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 59.3                  | 0.333                     | 66.67               | 0                               | 89.0                 | 44.3     | 137       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 8 of 20 |
|--------------------|---|--|--|--------------|



# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                            |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5965</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11728</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5965</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148495</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                                  |                       |                           |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11728</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>  | Batch ID: <b>5965</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148496</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                       | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                | 173                   | 0.465                     | 93.10                   | 98.31                           | 80.4                 | 56.6     | 123       |             |      |          |      |

|                                   |                       |                           |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11728</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>   | Batch ID: <b>5965</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148497</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                       | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                 | 146                   | 0.465                     | 93.10                   | 98.31                           | 51.4                 | 56.6     | 123       | 173.2       | 16.9 | 20       | SMI  |

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11728</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5965</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148514</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 69.3                  | 0.333                     | 66.67               | 0                               | 104                  | 85       | 115       |             |      |          |      |
| Aroclor 1254          | 70.9                  | 0.333                     | 66.67               | 0                               | 106                  | 85       | 115       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 9 of 20 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11725</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5972</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148426</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |        |       |   |      |    |     |  |  |  |  |
|----------------|-----|--------|-------|---|------|----|-----|--|--|--|--|
| Benzene        | 2.4 | 0.0050 | 2.500 | 0 | 97.2 | 85 | 115 |  |  |  |  |
| Xylenes, Total | 7.6 | 0.30   | 7.500 | 0 | 102  | 85 | 115 |  |  |  |  |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5972</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11725</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5972</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148427</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |      |        |       |   |      |      |     |  |  |  |  |
|----------------|------|--------|-------|---|------|------|-----|--|--|--|--|
| Benzene        | 0.95 | 0.0050 | 1.000 | 0 | 95.2 | 68.7 | 117 |  |  |  |  |
| Xylenes, Total | 2.9  | 0.30   | 3.000 | 0 | 96.2 | 70.1 | 116 |  |  |  |  |

|                           |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5972</b> | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11725</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5972</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148428</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                            |     |        |       |  |      |      |     |  |  |  |  |
|----------------------------|-----|--------|-------|--|------|------|-----|--|--|--|--|
| Benzene                    | ND  | 0.0050 |       |  |      |      |     |  |  |  |  |
| Xylenes, Total             | ND  | 0.30   |       |  |      |      |     |  |  |  |  |
| Surr: 4-Bromofluorobenzene | 2.9 |        | 5.000 |  | 57.5 | 42.6 | 126 |  |  |  |  |

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11725</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5972</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148437</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 10 of 20 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |               |

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11725</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5972</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148437</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene               | 2.5                   | 0.0050                     | 2.500               | 0                               | 99.6                 | 85       | 115       |             |      |          |      |
| Xylenes, Total        | 7.8                   | 0.30                       | 7.500               | 0                               | 104                  | 85       | 115       |             |      |          |      |

|                                  |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-016CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11725</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F5</b>   | Batch ID: <b>5972</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148446</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                          | 3.1                   | 0.014                      | 3.432                   | 0                               | 89.6                 | 32.2     | 108       |             |      |          |      |
| Xylenes, Total                   | 7.5                   | 0.82                       | 10.30                   | 0                               | 73.1                 | 47.5     | 119       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-016CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11725</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F5</b>    | Batch ID: <b>5972</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148447</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                           | 2.8                   | 0.014                      | 3.432                   | 0                               | 82.0                 | 32.2     | 108       | 3.076       | 8.85 | 20       |      |
| Xylenes, Total                    | 7.8                   | 0.82                       | 10.30                   | 0                               | 75.6                 | 47.5     | 119       | 7.530       | 3.26 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 11 of 20  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6015</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150149</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                    | 0.402                 | 0.0167                  | 0.4000              | 0                                | 100                  | 80       | 120       |             |      |          |      |

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6015</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150150</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                     | ND                    | 0.0167                  |                     |                                  |                      |          |           |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>   | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150152</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.628                 | 0.0224                  |                         |                                  |                      |          |           | 0.4771      | 27.2 | 20       | R    |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150157</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.434                 | 0.0167                  | 0.4000              | 0                                | 109                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 12 of 20  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150173</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.420                 | 0.0167                  | 0.4000              | 0                                | 105                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150175</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.414                 | 0.0167                  | 0.4000              | 0                                | 104                  | 90       | 110       |             |      |          |      |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>  | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150176</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 0.744                 | 0.0224                  | 0.5371                  | 0.4771                           | 49.8                 | 75       | 125       |             |      |          | S    |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>   | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150177</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.689                 | 0.0233                  | 0.5586                  | 0.4771                           | 37.9                 | 75       | 125       | 0.7444      | 7.73 | 20       | S    |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 13 of 20  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11848</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6015</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150178</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.385                 | 0.0167                  | 0.4000              | 0                                | 96.2                 | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11727</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5966</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148471</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |      |    |     |  |  |  |  |
|----------|-----|------|-------|---|------|----|-----|--|--|--|--|
| Diesel   | 983 | 15.0 | 1014  | 0 | 97.0 | 85 | 115 |  |  |  |  |
| Lube Oil | 479 | 50.0 | 522.7 | 0 | 91.6 | 85 | 115 |  |  |  |  |

|                           |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5966</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11727</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5966</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148472</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                   |      |      |       |  |      |    |     |  |  |  |  |
|-------------------|------|------|-------|--|------|----|-----|--|--|--|--|
| Diesel            | ND   | 15.0 |       |  |      |    |     |  |  |  |  |
| Lube Oil          | ND   | 50.0 |       |  |      |    |     |  |  |  |  |
| Surr: o-Terphenyl | 26.1 |      | 33.30 |  | 78.3 | 50 | 150 |  |  |  |  |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5966</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11727</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5966</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148473</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |      |      |     |  |  |  |  |
|----------|-----|------|-------|---|------|------|-----|--|--|--|--|
| Diesel   | 199 | 15.0 | 166.5 | 0 | 119  | 76.3 | 125 |  |  |  |  |
| Lube Oil | 161 | 50.0 | 166.5 | 0 | 96.5 | 69.9 | 127 |  |  |  |  |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11727</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W2</b>   | Batch ID: <b>5966</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148476</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 15 of 20  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

| Sample ID: <b>1310044-002ADUP</b> |        | SampType: <b>DUP</b>  |           | TestCode: <b>NWTPHDX_S</b>      |      | Units: <b>mg/Kg-dry</b>         |           | Prep Date: <b>10/3/2013</b> |      | RunNo: <b>11727</b> |        |
|-----------------------------------|--------|-----------------------|-----------|---------------------------------|------|---------------------------------|-----------|-----------------------------|------|---------------------|--------|
| Client ID: <b>CS6-S-1.25-W2</b>   |        | Batch ID: <b>5966</b> |           | TestNo: <b>NWTPH-Dx SW3545A</b> |      | Analysis Date: <b>10/3/2013</b> |           | SeqNo: <b>148476</b>        |      |                     |        |
| Analyte                           | Result | PQL                   | SPK value | SPK Ref Val                     | %REC | LowLimit                        | HighLimit | RPD Ref Val                 | %RPD | RPDLimit            | Qual   |
| Diesel                            | 74.3   | 20.4                  |           |                                 |      |                                 |           | 91.82                       | 21.0 | 20                  | RK,MI  |
| Lube Oil                          | 316    | 67.9                  |           |                                 |      |                                 |           | 399.0                       | 23.2 | 20                  | RA2,MI |

| Sample ID: <b>1310044-003ADUP</b> |        | SampType: <b>DUP</b>  |           | TestCode: <b>NWTPHDX_S</b>      |      | Units: <b>mg/Kg-dry</b>         |           | Prep Date: <b>10/3/2013</b> |      | RunNo: <b>11727</b> |      |
|-----------------------------------|--------|-----------------------|-----------|---------------------------------|------|---------------------------------|-----------|-----------------------------|------|---------------------|------|
| Client ID: <b>CS6-S-1.25-W3</b>   |        | Batch ID: <b>5966</b> |           | TestNo: <b>NWTPH-Dx SW3545A</b> |      | Analysis Date: <b>10/3/2013</b> |           | SeqNo: <b>148478</b>        |      |                     |      |
| Analyte                           | Result | PQL                   | SPK value | SPK Ref Val                     | %REC | LowLimit                        | HighLimit | RPD Ref Val                 | %RPD | RPDLimit            | Qual |
| Diesel                            | 56.2   | 20.2                  |           |                                 |      |                                 |           | 59.51                       | 5.66 | 20                  | K    |
| Lube Oil                          | 208    | 67.4                  |           |                                 |      |                                 |           | 225.7                       | 8.13 | 20                  |      |

| Sample ID: <b>CCV</b> |        | SampType: <b>CCV</b>  |           | TestCode: <b>NWTPHDX_S</b>      |      | Units: <b>mg/Kg</b>             |           | Prep Date:           |      | RunNo: <b>11727</b> |      |
|-----------------------|--------|-----------------------|-----------|---------------------------------|------|---------------------------------|-----------|----------------------|------|---------------------|------|
| Client ID: <b>CCV</b> |        | Batch ID: <b>5966</b> |           | TestNo: <b>NWTPH-Dx SW3545A</b> |      | Analysis Date: <b>10/3/2013</b> |           | SeqNo: <b>148492</b> |      |                     |      |
| Analyte               | Result | PQL                   | SPK value | SPK Ref Val                     | %REC | LowLimit                        | HighLimit | RPD Ref Val          | %RPD | RPDLimit            | Qual |
| Diesel                | 1370   | 15.0                  | 1352      | 0                               | 102  | 85                              | 115       |                      |      |                     |      |
| Lube Oil              | 620    | 50.0                  | 696.9     | 0                               | 89.0 | 85                              | 115       |                      |      |                     |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 16 of 20 |
|--------------------|---|--|--|---------------|



# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11726</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5973</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148448</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 86.4                  | 2.50                       | 100.0               | 0                               | 86.4                 | 80       | 120       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5973</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11726</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5973</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148449</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | 40.8                  | 2.50                       | 50.00               | 0                               | 81.5                 | 53.5     | 121       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5973</b>  | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11726</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>5973</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148450</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND                    | 2.50                       |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 2.92                  |                            | 5.000               |                                 | 58.3                 | 50       | 150       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11726</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>   | Batch ID: <b>5973</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148452</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 8.17                       |                         |                                 |                      |          |           | 0           | 0    | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 17 of 20  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11726</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5973</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148460</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 107                   | 2.50                       | 125.0               | 0                               | 85.6                 | 80       | 120       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-016CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11726</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F5</b>    | Batch ID: <b>5973</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148469</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 6.86                       |                         |                                 |                      |          |           | 0           | 0    | 20       |      |

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11726</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5973</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148470</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 134                   | 2.50                       | 150.0               | 0                               | 89.1                 | 80       | 120       |             |      |          |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 18 of 20 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-5961</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11719</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>5961</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148307</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 113                   | 6.67                     | 133.3               | 0                               | 85.0                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 117                   | 6.67                     | 133.3               | 0                               | 87.5                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 121                   | 6.67                     | 133.3               | 0                               | 91.0                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 124                   | 6.67                     | 133.3               | 0                               | 93.0                 | 80       | 120       |             |      |          |      |
| Chrysene                   | 121                   | 6.67                     | 133.3               | 0                               | 90.5                 | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 123                   | 6.67                     | 133.3               | 0                               | 92.5                 | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 117                   | 6.67                     | 133.3               | 0                               | 88.0                 | 80       | 120       |             |      |          |      |

| Sample ID: <b>MB-5961</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11719</b>  |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>     | Batch ID: <b>5961</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148308</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 3290                  |                          | 6667                |                                 | 49.4                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 3180                  |                          | 6667                |                                 | 47.7                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 3090                  |                          | 6667                |                                 | 46.4                 | 44.9     | 155       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 19 of 20  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310044

11-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

|                            |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5961</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11719</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5961</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148309</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene             | 267                   | 6.67                     | 333.4               | 0                               | 80.0                 | 37.7     | 137       |             |      |          |      |

|                                  |                       |                          |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11719</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>  | Batch ID: <b>5961</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>         | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148310</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                   | 355                   | 9.31                     | 465.5                   | 143.4                           | 45.4                 | 64.6     | 110       |             |      |          | S    |

|                                   |                       |                          |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310044-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/3/2013</b>     | RunNo: <b>11719</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W1</b>   | Batch ID: <b>5961</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>         | Analysis Date: <b>10/3/2013</b> | SeqNo: <b>148311</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                    | 362                   | 9.31                     | 465.5                   | 143.4                           | 47.0                 | 64.6     | 110       | 354.7       | 2.08 | 20       | S    |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 20 of 20  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

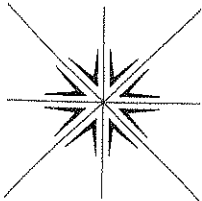
## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

# CHAIN OF CUSTODY RECORD

**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336



Contact Person/Project Manager: Michael Strawler  
 Company: MFA  
 Address: 400 EAST MILL PLEN BND SUITE 400  
VANCOUVER, WA 98660  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Project No: 0443-03.04 Project Name: KELSO  
 Project Site Location: OR WA Y Other: \_\_\_\_\_  
 Invoice To: MFA P.O. No.: \_\_\_\_\_

Collected By: [Signature]  
 Signature: \_\_\_\_\_  
 Printed: WASEY CROSBY

Signature: \_\_\_\_\_  
 Printed: \_\_\_\_\_

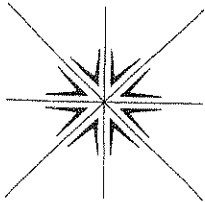
Turn Around Time  
 Normal 5-7 Business Days  
 Rush 24-HR Specify \_\_\_\_\_

Rush Analyses Must Be Scheduled With The Lab In Advance

| Date  | Time               | Sample I.D.   | Matrix   | No. of Containers    | Analyses  | For Laboratory Use  |          |      |      |
|---|--------------------|---------------|----------|----------------------|---|---|----------|------|------|
| 10/21/13  | 0900               | CS6-S-1.25-W1 | S        | 7                    | NMTR-DX<br>NMTR-CV<br>AS, Cd, Pb, Cu, Ni<br>Manganese, Sulfate<br>CPHS 8070 SIM<br>Pb, 8080<br>Pb-Zinc, Xylem<br>8081 | Lab Job No: <u>1310044</u><br>Shipped Via: <u>Specialty</u><br>Air Bill No.: _____<br>Temperature On Receipt: <u>4</u> °C<br>Specialty Analytical Containers? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Specialty Analytical Trip Blanks? Y / N |          |      |      |
|   | 0910               | CS6-S-1.25-W2 |          | 7                    |   | Comments: _____ Lab I.D.: <u>1</u>  |          |      |      |
|   | 0920               | CS6-S-1.25-W3 |          | 7                    |   | Comments: _____ Lab I.D.: <u>2</u>  |          |      |      |
|   | 0930               | CS6-S-2.5-F1  |          | 7                    |   | Comments: _____ Lab I.D.: <u>3</u>  |          |      |      |
|   | 0940               | CS6-S-2.5-F2  |          | 7                    |   | Comments: _____ Lab I.D.: <u>4</u>  |          |      |      |
|   | 1000               | CS6-S-2.5-F3  |          | 7                    |   | Comments: _____ Lab I.D.: <u>5</u>  |          |      |      |
|   | 1010               | CS6-S-1.25-W4 |          | 7                    |   | Comments: _____ Lab I.D.: <u>6</u>  |          |      |      |
|   | 1020               | CS6-S-1.25-W5 |          | 7                    |   | Comments: _____ Lab I.D.: <u>7</u>  |          |      |      |
|   | 1110               | CS4-S-1.5-W7  |          | 6                    |   | Comments: _____ Lab I.D.: <u>8</u>  |          |      |      |
|   | 1100               | CS4-S-1.5-W6  |          | 6                    |   | Comments: _____ Lab I.D.: <u>9</u>  |          |      |      |
|   | 1120               | CS4-S-1.5-W8  |          | 6                    |   | Comments: _____ Lab I.D.: <u>10</u>   |          |      |      |
|   | 1130               | CS4-S-3.0-F0  |          | 6                    |   | Comments: _____ Lab I.D.: <u>11</u>   |          |      |      |
| Relinquished By:  | <u>[Signature]</u> | Date          | 10/21/13 | Time                 | 1830  | Relinquished By: <u>Nancy Pappas</u><br>Company: <u>Specialty</u>   |          |      |      |
| Company:  | <u>MFA</u>         | Date          | 10/21/13 | Time                 | 1830  | Relinquished By: <u>Nancy Pappas</u><br>Company: <u>Specialty</u>   |          |      |      |
| Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fees(s) |                    |               |          | Received For Lab By: | <u>[Signature]</u>  | Date  | 10/21/13 | Time | 0730 |
|   |                    |               |          | Received For Lab By: | <u>[Signature]</u>  | Date  | 10/21/13 | Time | 0730 |

# CHAIN OF CUSTODY RECORD

**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336



Contact Person/Project Manager \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Project No. \_\_\_\_\_ Project Name \_\_\_\_\_  
 Project Site Location OR WA Other \_\_\_\_\_  
 Invoice To \_\_\_\_\_ P.O. No. \_\_\_\_\_

Collected By: Judy Crosby  
 Signature: Judy Crosby  
 Printed: Judy Crosby

Signature \_\_\_\_\_  
 Printed \_\_\_\_\_

Turn Around Time \_\_\_\_\_  
 Normal 5-7 Business Days  
 Rush 24 Hr. Specify \_\_\_\_\_

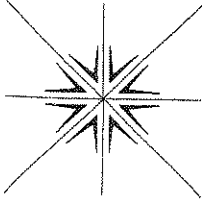
Rush Analyses Must Be Scheduled With The Lab In Advance

| Date                                | Time                  | Sample I.D.       | Matrix                                    | No. of Containers  | Analyses  | For Laboratory Use  | Lab I.D.          | Time              |
|-------------------------------------|-----------------------|-------------------|---|--------------------|---|---|-------------------|-------------------|
| 10/18/13                            | 1150                  | CS16-S-1.25-W7    | S   | 7                  | As, Ca, Pb, Lead<br>Nutr-Dx<br>Nutr-Gx<br>Mercury SWTH1<br>CPHs 8070SM<br>PCBs 8080<br>Bore, X/ure<br>502<br>TCP LEAD | Lab Job No. <u>1310044</u><br>Shipped Via <u>Specialty</u><br>Air Bill No. _____<br>Temperature On Receipt <u>4</u> °C<br>Specialty Analytical Containers? <u>Y/N</u><br>Specialty Analytical Trip Blanks? <u>Y/N</u> | 13                | 0730              |
|                                     | 1200                  | CS6-S-1.25-W6     |   | 7                  |   |   | 14                |                   |
|                                     | 1210                  | CS6-S-2.5-FY      |   | 7                  |   |   | 15                |                   |
|                                     | 1220                  | CS6-S-2.5-FS      |   | 7                  |   |   | 16                |                   |
|                                     | 1420                  | SPA-S-1           |   | 1                  |   |   | 17                |                   |
|                                     | 1440                  | SPA-S-2           |   | 1                  |   |   | 18                |                   |
|                                     | 1450                  | SPA-S-3           |   | 1                  |   |   | 19                |                   |
|                                     | 1500                  | SPA-S-4           |   | 1                  |   |   | 20                |                   |
|                                     | 1510                  | SPA-S-5           |   | 1                  |   |   | 21                |                   |
|                                     | 1520                  | SPA-S-6           |   | 1                  |   |   | 22                |                   |
|                                     | 1530                  | SPA-S-7           |   | 1                  |   |   | 23                |                   |
|                                     | 1540                  | SPA-S-8           |   | 1                  |   |   | 24                |                   |
| Relinquished By: <u>Judy Crosby</u> | Date: <u>10/18/13</u> | Time: <u>1830</u> | Received By: <u>Kathy Pappas</u>          | Company: <u>SA</u> | Relinquished By: <u>Nuky Pappas</u>   | Date: <u>10/18/13</u>   | Time: <u>0730</u> |                   |
| Company: <u>WPA</u>                 |                       |                   | Company: <u>Specialty</u>                 |                    | Company: <u>Specialty</u>   |   |                   |                   |
|                                     |                       |                   | Received For Lab By: <u>Andy Holmgard</u> |                    |   |   |                   | Time: <u>0730</u> |

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.  
 Samples held beyond 60 days subject to storage fee(s)

# CHAIN OF CUSTODY RECORD

**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336



Contact Person/Project Manager \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Project No. \_\_\_\_\_ Project Name \_\_\_\_\_  
 Project Site Location OR WA Other \_\_\_\_\_  
 Invoice To \_\_\_\_\_ P.O. No. \_\_\_\_\_

Collected By: \_\_\_\_\_  
 Signature: *[Signature]*  
 Printed: ANDREW CASSIDY

Signature \_\_\_\_\_  
 Printed \_\_\_\_\_

Turn Around Time \_\_\_\_\_  
 Normal 5-7 Business Days  
 Rush 24-HR \_\_\_\_\_  
 Specify \_\_\_\_\_

Rush Analyses Must Be Scheduled With The Lab In Advance

| Date    | Time | Sample I.D. | Matrix | No. of Containers | Analyses | For Laboratory Use                                    |                       |                   |
|---------|------|-------------|--------|-------------------|----------|---|-----------------------|-------------------|
|         |      |             |        |                   |          | Lab Job No.   | Lab I.D.              |                   |
| 10/9/10 | 1550 | SP2-S-9     | S      | 1                 | X        | 1310044   | 25                    |                   |
|         | 1600 | SP2-S-10    |        |                   |          | Specialty   | 26                    |                   |
|         | 1610 | SP2-S-11    |        |                   |          | Air Bill No.  | 27                    |                   |
|         | 1630 | SP2-S-12    |        |                   |          | Temperature On Receipt <u>4</u> °C                    | 28                    |                   |
|         | 1630 | SP2-S-13    |        |                   |          | Specialty Analytical Containers? <u>Y</u> / <u>N</u>  | 29                    |                   |
|         | 1640 | SP2-S-14    |        |                   |          | Specialty Analytical Trip Blanks? <u>Y</u> / <u>N</u> | 30                    |                   |
|         | 1650 | SP2-S-15    |        |                   |          | Comments  | 31                    |                   |
|         |      |             |        |                   |          | Relinquished By: <u>Nicky Bupper</u>                  | Date: <u>10/13/13</u> | Time: <u>0730</u> |
|         |      |             |        |                   |          | Company: <u>Specialty</u>                             | Date: <u>10/13/13</u> | Time: <u>0730</u> |
|         |      |             |        |                   |          | Received For Lab By: <u>Candace Hultgard</u>          | Date: <u>10/13/13</u> | Time: <u>0730</u> |

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.  
 Samples held beyond 60 days subject to storage fee(s)





# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

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October 17, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.02

Dear Mike Stringer:

Order No.: 1310074

Specialty Analytical received 6 sample(s) on 10/8/2013 for the analyses presented in the following report.

REVISED REPORT: Please see case narrative for information on revision.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is fluid and cursive, with the first name being more prominent.

Marty French  
Lab Director

## Case Narrative

WO#: 1310074

Date: 10/17/2013

### Specialty Analytical

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**CLIENT:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

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#### Report Revision 1

This report includes the original data. The only change is in the wording on Specialty Analytical sample 1310074-004 (SP3-S-1) and 1310074-006 (SP4-S-1), Lead is now listed as TLCP Lead.

# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310074-001  
**Client Sample ID:** CS4-S-1.5-W9

**Collection Date:** 10/7/2013 9:30:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Unit                | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 20.8            |      | mg/Kg-dry           | 1   | 10/8/2013 5:20:00 PM   |
| Lube Oil                               | ND     | 69.2            |      | mg/Kg-dry           | 1   | 10/8/2013 5:20:00 PM   |
| Surr: o-Terphenyl                      | 40.7   | 50-150          | SMI  | %REC                | 1   | 10/8/2013 5:20:00 PM   |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | 0.034  | 0.014           |      | mg/Kg-dry           | 1   | 10/8/2013 11:00:00 AM  |
| Xylenes, Total                         | ND     | 0.82            |      | mg/Kg-dry           | 1   | 10/8/2013 11:00:00 AM  |
| Surr: 4-Bromofluorobenzene             | 58.1   | 42.6-126        |      | %REC                | 1   | 10/8/2013 11:00:00 AM  |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 6.85            |      | mg/Kg-dry           | 1   | 10/8/2013 10:31:00 AM  |
| Surr: 4-Bromofluorobenzene             | 59.2   | 50-150          |      | %REC                | 1   | 10/8/2013 10:31:00 AM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 11900           |      | µg/Kg-dry           | 100 | 10/15/2013 1:35:00 PM  |
| Cadmium                                | ND     | 1190            |      | µg/Kg-dry           | 100 | 10/15/2013 1:35:00 PM  |
| Lead                                   | 7150   | 5970            |      | µg/Kg-dry           | 200 | 10/11/2013 7:22:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0475 | 0.0222          |      | mg/Kg-dry           | 1   | 10/11/2013 11:44:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.23            |      | µg/Kg-dry           | 1   | 10/8/2013 1:12:00 PM   |
| Benzo(a)pyrene                         | ND     | 9.23            |      | µg/Kg-dry           | 1   | 10/8/2013 1:12:00 PM   |
| Benzo(b)fluoranthene                   | ND     | 9.23            |      | µg/Kg-dry           | 1   | 10/8/2013 1:12:00 PM   |
| Benzo(k)fluoranthene                   | ND     | 9.23            |      | µg/Kg-dry           | 1   | 10/8/2013 1:12:00 PM   |
| Chrysene                               | ND     | 9.23            |      | µg/Kg-dry           | 1   | 10/8/2013 1:12:00 PM   |
| Dibenz(a,h)anthracene                  | ND     | 9.23            |      | µg/Kg-dry           | 1   | 10/8/2013 1:12:00 PM   |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.23            |      | µg/Kg-dry           | 1   | 10/8/2013 1:12:00 PM   |
| Surr: 2-Fluorobiphenyl                 | 59.2   | 42.6-128        |      | %REC                | 1   | 10/8/2013 1:12:00 PM   |
| Surr: Nitrobenzene-d5                  | 79.2   | 21.7-155        |      | %REC                | 1   | 10/8/2013 1:12:00 PM   |
| Surr: p-Terphenyl-d14                  | 57.2   | 44.9-155        |      | %REC                | 1   | 10/8/2013 1:12:00 PM   |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/9/2013 10:36:28 AM  |
| Aroclor 1221                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/9/2013 10:36:28 AM  |
| Aroclor 1232                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/9/2013 10:36:28 AM  |
| Aroclor 1242                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/9/2013 10:36:28 AM  |
| Aroclor 1248                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/9/2013 10:36:28 AM  |
| Aroclor 1254                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/9/2013 10:36:28 AM  |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/7/2013 9:30:00 AM

Project: Kelso / 0443.02.02

Lab ID: 1310074-001

Client Sample ID: CS4-S-1.5-W9

Matrix: SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.461           |      | µg/Kg-dry | 1  | 10/9/2013 10:36:28 AM |
| Aroclor 1262             | ND     | 0.461           |      | µg/Kg-dry | 1  | 10/9/2013 10:36:28 AM |
| Aroclor 1268             | ND     | 0.461           |      | µg/Kg-dry | 1  | 10/9/2013 10:36:28 AM |
| Surr: Decachlorobiphenyl | 74.2   | 56.5-130        |      | %REC      | 1  | 10/9/2013 10:36:28 AM |

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# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310074-002  
**Client Sample ID:** CS3-S-1.0-W5

**Collection Date:** 10/7/2013 10:30:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Unit                | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 19.9            |      | mg/Kg-dry           | 1   | 10/8/2013 5:40:00 PM   |
| Lube Oil                               | ND     | 66.3            |      | mg/Kg-dry           | 1   | 10/8/2013 5:40:00 PM   |
| Surr: o-Terphenyl                      | 62.5   | 50-150          |      | %REC                | 1   | 10/8/2013 5:40:00 PM   |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | 0.030  | 0.013           |      | mg/Kg-dry           | 1   | 10/8/2013 11:30:00 AM  |
| Xylenes, Total                         | ND     | 0.76            |      | mg/Kg-dry           | 1   | 10/8/2013 11:30:00 AM  |
| Surr: 4-Bromofluorobenzene             | 53.1   | 42.6-126        |      | %REC                | 1   | 10/8/2013 11:30:00 AM  |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 6.30            |      | mg/Kg-dry           | 1   | 10/8/2013 11:01:00 AM  |
| Surr: 4-Bromofluorobenzene             | 56.1   | 50-150          |      | %REC                | 1   | 10/8/2013 11:01:00 AM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 12300           |      | µg/Kg-dry           | 100 | 10/15/2013 2:05:00 PM  |
| Cadmium                                | ND     | 1230            |      | µg/Kg-dry           | 100 | 10/15/2013 2:05:00 PM  |
| Lead                                   | 81700  | 6140            |      | µg/Kg-dry           | 200 | 10/11/2013 7:29:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0882 | 0.0213          |      | mg/Kg-dry           | 1   | 10/11/2013 11:48:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 8.84            |      | µg/Kg-dry           | 1   | 10/8/2013 1:41:00 PM   |
| Benzo(a)pyrene                         | ND     | 8.84            |      | µg/Kg-dry           | 1   | 10/8/2013 1:41:00 PM   |
| Benzo(b)fluoranthene                   | ND     | 8.84            |      | µg/Kg-dry           | 1   | 10/8/2013 1:41:00 PM   |
| Benzo(k)fluoranthene                   | ND     | 8.84            |      | µg/Kg-dry           | 1   | 10/8/2013 1:41:00 PM   |
| Chrysene                               | ND     | 8.84            |      | µg/Kg-dry           | 1   | 10/8/2013 1:41:00 PM   |
| Dibenz(a,h)anthracene                  | ND     | 8.84            |      | µg/Kg-dry           | 1   | 10/8/2013 1:41:00 PM   |
| Indeno(1,2,3-cd)pyrene                 | ND     | 8.84            |      | µg/Kg-dry           | 1   | 10/8/2013 1:41:00 PM   |
| Surr: 2-Fluorobiphenyl                 | 42.7   | 42.6-128        |      | %REC                | 1   | 10/8/2013 1:41:00 PM   |
| Surr: Nitrobenzene-d5                  | 44.9   | 21.7-155        |      | %REC                | 1   | 10/8/2013 1:41:00 PM   |
| Surr: p-Terphenyl-d14                  | 37.8   | 44.9-155        | S    | %REC                | 1   | 10/8/2013 1:41:00 PM   |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.442           |      | µg/Kg-dry           | 1   | 10/10/2013 10:17:27 AM |
| Aroclor 1221                           | ND     | 0.442           |      | µg/Kg-dry           | 1   | 10/10/2013 10:17:27 AM |
| Aroclor 1232                           | ND     | 0.442           |      | µg/Kg-dry           | 1   | 10/10/2013 10:17:27 AM |
| Aroclor 1242                           | ND     | 0.442           |      | µg/Kg-dry           | 1   | 10/10/2013 10:17:27 AM |
| Aroclor 1248                           | ND     | 0.442           |      | µg/Kg-dry           | 1   | 10/10/2013 10:17:27 AM |
| Aroclor 1254                           | ND     | 0.442           |      | µg/Kg-dry           | 1   | 10/10/2013 10:17:27 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/7/2013 10:30:00 AM

Project: Kelso / 0443.02.02

Lab ID: 1310074-002

Client Sample ID: CS3-S-1.0-W5

Matrix: SOIL

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| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed          |
|--------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>    |
| Aroclor 1260             | ND     | 0.442           |      | µg/Kg-dry | 1  | 10/10/2013 10:17:27 AM |
| Aroclor 1262             | ND     | 0.442           |      | µg/Kg-dry | 1  | 10/10/2013 10:17:27 AM |
| Aroclor 1268             | ND     | 0.442           |      | µg/Kg-dry | 1  | 10/10/2013 10:17:27 AM |
| Surr: Decachlorobiphenyl | 93.6   | 56.5-130        |      | %REC      | 1  | 10/10/2013 10:17:27 AM |

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# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310074-003  
**Client Sample ID:** CS2-S-1.5-W5

**Collection Date:** 10/7/2013 1:00:00 PM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Unit                | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 20.8            |      | mg/Kg-dry           | 1   | 10/8/2013 6:00:00 PM   |
| Lube Oil                               | ND     | 69.3            |      | mg/Kg-dry           | 1   | 10/8/2013 6:00:00 PM   |
| Surr: o-Terphenyl                      | 59.5   | 50-150          |      | %REC                | 1   | 10/8/2013 6:00:00 PM   |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | 0.035  | 0.015           |      | mg/Kg-dry           | 1   | 10/8/2013 12:00:00 PM  |
| Xylenes, Total                         | ND     | 0.92            |      | mg/Kg-dry           | 1   | 10/8/2013 12:00:00 PM  |
| Surr: 4-Bromofluorobenzene             | 56.8   | 42.6-126        |      | %REC                | 1   | 10/8/2013 12:00:00 PM  |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 7.69            |      | mg/Kg-dry           | 1   | 10/8/2013 11:31:00 AM  |
| Surr: 4-Bromofluorobenzene             | 58.7   | 50-150          |      | %REC                | 1   | 10/8/2013 11:31:00 AM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 12400           |      | µg/Kg-dry           | 100 | 10/15/2013 2:12:00 PM  |
| Cadmium                                | ND     | 1240            |      | µg/Kg-dry           | 100 | 10/15/2013 2:12:00 PM  |
| Lead                                   | ND     | 6190            |      | µg/Kg-dry           | 200 | 10/11/2013 7:36:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0775 | 0.0223          |      | mg/Kg-dry           | 1   | 10/11/2013 11:52:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.25            |      | µg/Kg-dry           | 1   | 10/8/2013 2:10:00 PM   |
| Benzo(a)pyrene                         | ND     | 9.25            |      | µg/Kg-dry           | 1   | 10/8/2013 2:10:00 PM   |
| Benzo(b)fluoranthene                   | ND     | 9.25            |      | µg/Kg-dry           | 1   | 10/8/2013 2:10:00 PM   |
| Benzo(k)fluoranthene                   | ND     | 9.25            |      | µg/Kg-dry           | 1   | 10/8/2013 2:10:00 PM   |
| Chrysene                               | ND     | 9.25            |      | µg/Kg-dry           | 1   | 10/8/2013 2:10:00 PM   |
| Dibenz(a,h)anthracene                  | ND     | 9.25            |      | µg/Kg-dry           | 1   | 10/8/2013 2:10:00 PM   |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.25            |      | µg/Kg-dry           | 1   | 10/8/2013 2:10:00 PM   |
| Surr: 2-Fluorobiphenyl                 | 43.5   | 42.6-128        |      | %REC                | 1   | 10/8/2013 2:10:00 PM   |
| Surr: Nitrobenzene-d5                  | 50.1   | 21.7-155        |      | %REC                | 1   | 10/8/2013 2:10:00 PM   |
| Surr: p-Terphenyl-d14                  | 47.3   | 44.9-155        |      | %REC                | 1   | 10/8/2013 2:10:00 PM   |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.462           |      | µg/Kg-dry           | 1   | 10/9/2013 11:09:28 AM  |
| Aroclor 1221                           | ND     | 0.462           |      | µg/Kg-dry           | 1   | 10/9/2013 11:09:28 AM  |
| Aroclor 1232                           | ND     | 0.462           |      | µg/Kg-dry           | 1   | 10/9/2013 11:09:28 AM  |
| Aroclor 1242                           | ND     | 0.462           |      | µg/Kg-dry           | 1   | 10/9/2013 11:09:28 AM  |
| Aroclor 1248                           | ND     | 0.462           |      | µg/Kg-dry           | 1   | 10/9/2013 11:09:28 AM  |
| Aroclor 1254                           | ND     | 0.462           |      | µg/Kg-dry           | 1   | 10/9/2013 11:09:28 AM  |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/7/2013 1:00:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310074-003

Client Sample ID: CS2-S-1.5-W5

Matrix: SOIL

---

| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.462           |      | µg/Kg-dry | 1  | 10/9/2013 11:09:28 AM |
| Aroclor 1262             | ND     | 0.462           |      | µg/Kg-dry | 1  | 10/9/2013 11:09:28 AM |
| Aroclor 1268             | ND     | 0.462           |      | µg/Kg-dry | 1  | 10/9/2013 11:09:28 AM |
| Surr: Decachlorobiphenyl | 51.0   | 56.5-130        | S    | %REC      | 1  | 10/9/2013 11:09:28 AM |

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# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/7/2013 10:40:00 AM

Project: Kelso / 0443.02.02

Lab ID: 1310074-004

Client Sample ID: SP3-S-1

Matrix: SOIL

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| Analyses                               | Result | RL             | Qual | Unit | DF | Date Analyzed          |
|--|--------|----------------|------|------|----|------------------------|
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b> |      |      |    | Analyst: ZL            |
| TCLP Lead                              | 394    | 0.100          |      | µg/L | 1  | 10/11/2013 11:17:00 AM |

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# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02  
**Lab ID:** 1310074-005  
**Client Sample ID:** CS2-S-1.5-W6

**Collection Date:** 10/7/2013 1:15:00 PM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Unit                | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 21.9            |      | mg/Kg-dry           | 1   | 10/8/2013 6:20:00 PM   |
| Lube Oil                               | ND     | 73.0            |      | mg/Kg-dry           | 1   | 10/8/2013 6:20:00 PM   |
| Surr: o-Terphenyl                      | 64.8   | 50-150          |      | %REC                | 1   | 10/8/2013 6:20:00 PM   |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | 0.042  | 0.015           |      | mg/Kg-dry           | 1   | 10/8/2013 12:30:00 PM  |
| Xylenes, Total                         | ND     | 0.93            |      | mg/Kg-dry           | 1   | 10/8/2013 12:30:00 PM  |
| Surr: 4-Bromofluorobenzene             | 53.9   | 42.6-126        |      | %REC                | 1   | 10/8/2013 12:30:00 PM  |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 7.74            |      | mg/Kg-dry           | 1   | 10/8/2013 12:01:00 PM  |
| Surr: 4-Bromofluorobenzene             | 57.9   | 50-150          |      | %REC                | 1   | 10/8/2013 12:01:00 PM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 12600           |      | µg/Kg-dry           | 100 | 10/15/2013 2:19:00 PM  |
| Cadmium                                | 1580   | 1260            |      | µg/Kg-dry           | 100 | 10/15/2013 2:19:00 PM  |
| Lead                                   | 62300  | 6300            |      | µg/Kg-dry           | 200 | 10/11/2013 7:44:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0893 | 0.0226          |      | mg/Kg-dry           | 1   | 10/11/2013 11:56:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.74            |      | µg/Kg-dry           | 1   | 10/8/2013 2:38:00 PM   |
| Benzo(a)pyrene                         | ND     | 9.74            |      | µg/Kg-dry           | 1   | 10/8/2013 2:38:00 PM   |
| Benzo(b)fluoranthene                   | 17.5   | 9.74            |      | µg/Kg-dry           | 1   | 10/8/2013 2:38:00 PM   |
| Benzo(k)fluoranthene                   | ND     | 9.74            |      | µg/Kg-dry           | 1   | 10/8/2013 2:38:00 PM   |
| Chrysene                               | 14.6   | 9.74            |      | µg/Kg-dry           | 1   | 10/8/2013 2:38:00 PM   |
| Dibenz(a,h)anthracene                  | ND     | 9.74            |      | µg/Kg-dry           | 1   | 10/8/2013 2:38:00 PM   |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.74            |      | µg/Kg-dry           | 1   | 10/8/2013 2:38:00 PM   |
| Surr: 2-Fluorobiphenyl                 | 44.1   | 42.6-128        |      | %REC                | 1   | 10/8/2013 2:38:00 PM   |
| Surr: Nitrobenzene-d5                  | 50.5   | 21.7-155        |      | %REC                | 1   | 10/8/2013 2:38:00 PM   |
| Surr: p-Terphenyl-d14                  | 39.4   | 44.9-155        | S    | %REC                | 1   | 10/8/2013 2:38:00 PM   |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.486           |      | µg/Kg-dry           | 1   | 10/9/2013 11:26:28 AM  |
| Aroclor 1221                           | ND     | 0.486           |      | µg/Kg-dry           | 1   | 10/9/2013 11:26:28 AM  |
| Aroclor 1232                           | ND     | 0.486           |      | µg/Kg-dry           | 1   | 10/9/2013 11:26:28 AM  |
| Aroclor 1242                           | ND     | 0.486           |      | µg/Kg-dry           | 1   | 10/9/2013 11:26:28 AM  |
| Aroclor 1248                           | ND     | 0.486           |      | µg/Kg-dry           | 1   | 10/9/2013 11:26:28 AM  |
| Aroclor 1254                           | ND     | 0.486           |      | µg/Kg-dry           | 1   | 10/9/2013 11:26:28 AM  |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/7/2013 1:15:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310074-005

Client Sample ID: CS2-S-1.5-W6

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Unit      | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/9/2013 11:26:28 AM |
| Aroclor 1262             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/9/2013 11:26:28 AM |
| Aroclor 1268             | ND     | 0.486           |      | µg/Kg-dry | 1  | 10/9/2013 11:26:28 AM |
| Surr: Decachlorobiphenyl | 58.7   | 56.5-130        |      | %REC      | 1  | 10/9/2013 11:26:28 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/7/2013 1:30:00 PM

Project: Kelso / 0443.02.02

Lab ID: 1310074-006

Client Sample ID: SP4-S-1

Matrix: SOIL

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| Analyses                               | Result | RL             | Qual | Unit | DF | Date Analyzed          |
|--|--------|----------------|------|------|----|------------------------|
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b> |      |      |    | Analyst: ZL            |
| TCLP Lead                              | 47.9   | 0.100          |      | µg/L | 1  | 10/11/2013 11:24:00 AM |

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# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6020\_S

|                       |                       |                         |                     |             |                                  |                      |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|-------------|----------------------------------|----------------------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> |             | Prep Date:                       | RunNo: <b>11865</b>  |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150679</b> |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                             | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 5040                  | 100                     | 5000                | 0           | 101                              | 90                   | 110       |             |      |          |      |
| Cadmium               | 5060                  | 10.0                    | 5000                | 0           | 101                              | 90                   | 110       |             |      |          |      |
| Lead                  | 4980                  | 25.0                    | 5000                | 0           | 99.5                             | 90                   | 110       |             |      |          |      |

|                       |                       |                         |                     |             |                                  |                      |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|-------------|----------------------------------|----------------------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> |             | Prep Date:                       | RunNo: <b>11865</b>  |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150680</b> |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                             | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 5020                  | 100                     | 5000                | 0           | 100                              | 90                   | 110       |             |      |          |      |
| Cadmium               | 5060                  | 10.0                    | 5000                | 0           | 101                              | 90                   | 110       |             |      |          |      |
| Lead                  | 5060                  | 25.0                    | 5000                | 0           | 101                              | 90                   | 110       |             |      |          |      |

|                             |                       |                         |                     |             |                                  |                      |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|-------------|----------------------------------|----------------------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-5993</b> | SampType: <b>MBLK</b> | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> |             | Prep Date:                       | RunNo: <b>11865</b>  |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      |             | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150681</b> |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val | %REC                             | LowLimit             | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 100                     |                     |             |                                  |                      |           |             |      |          |      |
| Cadmium                     | ND                    | 10.0                    |                     |             |                                  |                      |           |             |      |          |      |
| Lead                        | ND                    | 25.0                    |                     |             |                                  |                      |           |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 1 of 20 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310074

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6020\_S

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5993</b> | SampType: <b>LCS</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150682</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 94700                 | 20000                   | 100000              | 0                                | 94.7                 | 73.4     | 120       |             |      |          |      |
| Cadmium                    | 5230                  | 2000                    | 5000                | 0                                | 105                  | 80       | 120       |             |      |          |      |
| Lead                       | 97400                 | 5000                    | 100000              | 0                                | 97.4                 | 80       | 120       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150682</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 5000                  | 100                     | 5000                | 0                                | 100                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5000                  | 10.0                    | 5000                | 0                                | 100                  | 90       | 110       |             |      |          |      |
| Lead                  | 4960                  | 25.0                    | 5000                | 0                                | 99.2                 | 90       | 110       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>    | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150688</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead                              | 6630                  | 6180                    |                         |                                  |                      |          |           | 7151        | 7.56 | 20       |      |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>   | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150689</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6020\_S

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>   | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150689</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|      |        |      |        |      |     |    |     |  |  |  |  |
|------|--------|------|--------|------|-----|----|-----|--|--|--|--|
| Lead | 159000 | 6660 | 133100 | 7151 | 114 | 70 | 130 |  |  |  |  |
|------|--------|------|--------|------|-----|----|-----|--|--|--|--|

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>    | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150690</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|      |        |      |        |      |      |    |     |        |      |    |   |
|------|--------|------|--------|------|------|----|-----|--------|------|----|---|
| Lead | 123000 | 6180 | 123600 | 7151 | 93.9 | 70 | 130 | 158500 | 25.1 | 20 | R |
|------|--------|------|--------|------|------|----|-----|--------|------|----|---|

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150911</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|         |      |      |      |   |      |    |     |  |  |  |  |
|---------|------|------|------|---|------|----|-----|--|--|--|--|
| Arsenic | 4990 | 100  | 5000 | 0 | 99.9 | 90 | 110 |  |  |  |  |
| Cadmium | 5040 | 10.0 | 5000 | 0 | 101  | 90 | 110 |  |  |  |  |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>    | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150915</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|         |    |       |  |  |  |  |  |   |   |    |  |
|---------|----|-------|--|--|--|--|--|---|---|----|--|
| Arsenic | ND | 12400 |  |  |  |  |  | 0 | 0 | 20 |  |
| Cadmium | ND | 1240  |  |  |  |  |  | 0 | 0 | 20 |  |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 3 of 20 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |              |

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6020\_S

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>   | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150916</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                          | 125000                | 13300                   | 133100                  | 2283                             | 92.2                 | 70       | 130       |             |      |          |      |
| Cadmium                          | 6640                  | 1330                    | 6655                    | 0                                | 99.8                 | 70       | 130       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>      | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>    | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150917</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | 110000                | 12400                   | 123600                  | 2283                             | 87.5                 | 70       | 130       | 125000      | 12.4 | 20       |      |
| Cadmium                           | 5830                  | 1240                    | 6180                    | 0                                | 94.4                 | 70       | 130       | 6639        | 12.9 | 20       |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11865</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5993</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150924</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4880                  | 100                     | 5000                | 0                                | 97.5                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5100                  | 10.0                    | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 4 of 20 |
|--------------------|---|--|--|--------------|



# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 6020\_W

|                       |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date:                       | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150254</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|           |      |       |       |   |      |    |     |  |  |  |  |
|-----------|------|-------|-------|---|------|----|-----|--|--|--|--|
| TCLP Lead | 45.6 | 0.100 | 50.00 | 0 | 91.1 | 90 | 110 |  |  |  |  |
|-----------|------|-------|-------|---|------|----|-----|--|--|--|--|

|                             |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6007</b> | SampType: <b>MBLK</b> | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date:                       | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>PBW</b>       | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150255</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|           |    |       |  |  |  |  |  |  |  |  |  |
|-----------|----|-------|--|--|--|--|--|--|--|--|--|
| TCLP Lead | ND | 0.100 |  |  |  |  |  |  |  |  |  |
|-----------|----|-------|--|--|--|--|--|--|--|--|--|

|                                    |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|------------------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>A1310069-003ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>           | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150260</b> |          |           |             |      |          |      |
| Analyte                            | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|           |    |      |  |  |  |  |  |   |     |    |  |
|-----------|----|------|--|--|--|--|--|---|-----|----|--|
| TCLP Lead | ND | 10.0 |  |  |  |  |  | 0 | 200 | 20 |  |
|-----------|----|------|--|--|--|--|--|---|-----|----|--|

|                       |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date:                       | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150674</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|           |      |       |       |   |      |    |     |  |  |  |  |
|-----------|------|-------|-------|---|------|----|-----|--|--|--|--|
| TCLP Lead | 49.8 | 0.100 | 50.00 | 0 | 99.5 | 90 | 110 |  |  |  |  |
|-----------|------|-------|-------|---|------|----|-----|--|--|--|--|

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 5 of 20 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |              |

# QC SUMMARY REPORT

WO#: 1310074

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 6020\_W

|                            |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6007</b> | SampType: <b>LCS</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSW</b>     | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150675</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

TCLP Lead 1050 20.0 1000 0 105 80 120

|                                   |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>A1310069-003AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150676</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

TCLP Lead 1130 20.0 1000 3.535 113 70 130

|                                    |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|------------------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>A1310069-003AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>            | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150677</b> |          |           |             |      |          |      |
| Analyte                            | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

TCLP Lead 1000 20.0 1000 3.535 99.9 70 130 1131 12.0 20

|                       |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date:                       | RunNo: <b>11853</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6007</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150678</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

TCLP Lead 50.6 0.100 50.00 0 101 90 110

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                           |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5997</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11812</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5997</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/9/2013</b> | SeqNo: <b>149720</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1221              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1232              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1242              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1248              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1254              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1260              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1262              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Aroclor 1268              | ND                    | 0.333                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl  | 6550                  |                           | 6667                |                                 | 98.2                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5997</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11812</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5997</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/9/2013</b> | SeqNo: <b>149721</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 78.7                  | 0.333                     | 66.67               | 0                               | 118                  | 44.3     | 137       |             |      |          |      |

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11812</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5997</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/9/2013</b> | SeqNo: <b>149726</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 72.0                  | 0.333                     | 66.67               | 0                               | 108                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                                  |                       |                           |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11812</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>   | Batch ID: <b>5997</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/9/2013</b> | SeqNo: <b>149727</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                       | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Aroclor 1016/1260                      58.0              0.461              92.29              0              62.9              56.6              123

|                                   |                       |                           |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11812</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W9</b>    | Batch ID: <b>5997</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/9/2013</b> | SeqNo: <b>149728</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                       | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Aroclor 1016/1260                      35.7              0.461              92.29              0              38.7              56.6              123              58.05              47.6              20              SR

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11812</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5997</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/9/2013</b> | SeqNo: <b>149729</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Aroclor 1016/1260                      70.7              0.333              66.67              0              106              85              115

|                       |                       |                           |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11812</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5997</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/9/2013</b> | SeqNo: <b>149738</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Aroclor 1016/1260                      1.01              0.333              1.000              0              101              85              115

**Qualifiers:**    B    Analyte detected in the associated Method Blank              H    Holding times for preparation or analysis exceeded              ND    Not Detected at the Reporting Limit              Page 8 of 20  
                       O    RSD is greater than RSDlimit    R    RPD outside accepted recovery limits    S    Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                           |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6008</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11815</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6008</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/10/2013</b> | SeqNo: <b>149750</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1221              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1232              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1242              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1248              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1254              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1260              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1262              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1268              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl  | 6630                  |                           | 6667                |                                  | 99.4                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6008</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11815</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6008</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/10/2013</b> | SeqNo: <b>149751</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 66.1                  | 0.333                     | 66.67               | 0                                | 99.1                 | 44.3     | 137       |             |      |          |      |

|                                  |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310086-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11815</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>6008</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/10/2013</b> | SeqNo: <b>149754</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                | 68.2                  | 0.333                     | 66.67               | 0                                | 102                  | 56.6     | 123       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** 8082LL\_S

|                                   |                       |                           |                     |                                  |                      |          |           |             |       |          |      |
|-----------------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|-------|----------|------|
| Sample ID: <b>1310086-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/9/2013</b>      | RunNo: <b>11815</b>  |          |           |             |       |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6008</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/10/2013</b> | SeqNo: <b>149755</b> |          |           |             |       |          |      |
| Analyte                           | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD  | RPDLimit | Qual |
| Aroclor 1016/1260                 | 68.4                  | 0.333                     | 66.67               | 0                                | 103                  | 56.6     | 123       | 68.20       | 0.293 | 20       |      |

|                       |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11815</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6008</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/10/2013</b> | SeqNo: <b>149767</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 73.3                  | 0.333                     | 66.67               | 0                                | 110                  | 85       | 115       |             |      |          |      |

|                       |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11815</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6008</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/10/2013</b> | SeqNo: <b>150169</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 66.2                  | 0.333                     | 66.67               | 0                                | 99.3                 | 85       | 115       |             |      |          |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 10 of 20 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11788</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6004</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149273</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene               | 2.5                   | 0.0050                     | 2.500               | 0                               | 98.5                 | 85       | 115       |             |      |          |      |
| Xylenes, Total        | 7.8                   | 0.30                       | 7.500               | 0                               | 103                  | 85       | 115       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6004</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11788</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6004</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149274</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | 1.2                   | 0.025                      | 1.250               | 0                               | 98.5                 | 68.7     | 117       |             |      |          |      |
| Xylenes, Total             | 3.5                   | 0.30                       | 3.750               | 0                               | 94.4                 | 70.1     | 116       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6004</b>  | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11788</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6004</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149275</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | ND                    | 0.025                      |                     |                                 |                      |          |           |             |      |          |      |
| Xylenes, Total             | ND                    | 0.30                       |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 3.2                   |                            | 5.000               |                                 | 63.4                 | 42.6     | 126       |             |      |          |      |

|                                  |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-005CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11788</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W6</b>   | Batch ID: <b>6004</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149280</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 11 of 20  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** BTEXRBC\_SA

|                                  |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-005CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11788</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W6</b>   | Batch ID: <b>6004</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149280</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                          | 3.8                   | 0.015                      | 3.870                   | 0.04180                         | 96.6                 | 32.2     | 108       |             |      |          |      |
| Xylenes, Total                   | 11                    | 0.93                       | 11.61                   | 0                               | 94.7                 | 47.5     | 119       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-005CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11788</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W6</b>    | Batch ID: <b>6004</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149281</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                           | 3.9                   | 0.015                      | 3.870                   | 0.04180                         | 99.2                 | 32.2     | 108       | 3.779       | 2.63 | 20       |      |
| Xylenes, Total                    | 10                    | 0.93                       | 11.61                   | 0                               | 88.7                 | 47.5     | 119       | 10.99       | 6.50 | 20       |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 12 of 20 |
|--------------------|---|--|--|---------------|



# QC SUMMARY REPORT

WO#: 1310074

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6018</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11849</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6018</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150179</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Mercury 0.387 0.0167 0.4000 0 96.7 80 120

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6018</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11849</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6018</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150180</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Mercury ND 0.0167

|                                   |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310060-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11849</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6018</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150182</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Mercury ND 0.0161 0 0 20

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11849</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6018</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150191</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Mercury 0.378 0.0167 0.4000 0 94.4 90 110

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 13 of 20  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** HG\_CTS

|                                  |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310060-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11849</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>6018</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150193</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 0.822                 | 0.0161                  | 0.3846              | 0.01299                          | 210                  | 75       | 125       |             |      |          | SMI  |

|                                   |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310060-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11849</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6018</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150193</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.797                 | 0.0155                  | 0.3704              | 0.01299                          | 212                  | 75       | 125       | 0.8221      | 3.09 | 20       | SMI  |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11849</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6018</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150193</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.385                 | 0.0167                  | 0.4000              | 0                                | 96.2                 | 90       | 110       |             |      |          |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 14 of 20 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11785</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5987</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149220</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1440                  | 15.0                       | 1352                | 0                               | 106                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 651                   | 50.0                       | 696.9               | 0                               | 93.4                 | 85       | 115       |             |      |          |      |

|                           |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5987</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11785</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5987</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149221</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                    | ND                    | 15.0                       |                     |                                 |                      |          |           |             |      |          |      |
| Lube Oil                  | ND                    | 50.0                       |                     |                                 |                      |          |           |             |      |          |      |
| Surr: o-Terphenyl         | 26.0                  |                            | 33.30               |                                 | 78.0                 | 50       | 150       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-5987</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11785</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>5987</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149222</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                     | 182                   | 15.0                       | 166.5               | 0                               | 109                  | 76.3     | 125       |             |      |          |      |
| Lube Oil                   | 152                   | 50.0                       | 166.5               | 0                               | 91.5                 | 69.9     | 127       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310028-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11785</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5987</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149224</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 15 of 20  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHDX\_S

|                                   |                       |                                 |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310028-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11785</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5987</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                         | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149224</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                             | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |    |      |  |  |  |  |  |   |   |    |  |
|----------|----|------|--|--|--|--|--|---|---|----|--|
| Diesel   | ND | 17.7 |  |  |  |  |  | 0 | 0 | 20 |  |
| Lube Oil | ND | 59.1 |  |  |  |  |  | 0 | 0 | 20 |  |

|                                   |                       |                                 |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310028-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11785</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>5987</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                         | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149226</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                             | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |    |      |  |  |  |  |  |   |   |    |  |
|----------|----|------|--|--|--|--|--|---|---|----|--|
| Diesel   | ND | 17.6 |  |  |  |  |  | 0 | 0 | 20 |  |
| Lube Oil | ND | 58.5 |  |  |  |  |  | 0 | 0 | 20 |  |

|                       |                       |                                 |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11785</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>5987</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149233</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |      |    |     |  |  |  |  |
|----------|-----|------|-------|---|------|----|-----|--|--|--|--|
| Diesel   | 706 | 15.0 | 676.0 | 0 | 104  | 85 | 115 |  |  |  |  |
| Lube Oil | 320 | 50.0 | 348.5 | 0 | 91.8 | 85 | 115 |  |  |  |  |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11789</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6005</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149282</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 95.4                  | 2.50                       | 100.0               | 0                               | 95.4                 | 80       | 120       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6005</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11789</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6005</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149283</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | 59.8                  | 2.50                       | 50.00               | 0                               | 120                  | 53.5     | 121       |             |      |          |      |

|                            |                       |                            |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6005</b>  | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11789</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6005</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149284</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND                    | 2.50                       |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 2.82                  |                            | 5.000               |                                 | 56.4                 | 50       | 150       |             |      |          |      |

|                                   |                       |                            |                         |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310074-005CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/8/2013</b>     | RunNo: <b>11789</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W6</b>    | Batch ID: <b>6005</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149289</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 7.74                       |                         |                                 |                      |          |           | 0           | 0    | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 17 of 20  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.02

**TestCode:** NWTPHGX\_SA

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b>      | Units: <b>mg/Kg</b> | Prep Date:                      | RunNo: <b>11789</b>  |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>6005</b> | TestNo: <b>NWTPH-Gx SW5035A</b> |                     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149290</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 115                   | 2.50                            | 125.0               | 0                               | 91.8                 | 80       | 120       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-5986</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                      | RunNo: <b>11779</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>5986</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149120</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 113                   | 6.67                     | 133.3               | 0                               | 85.0                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 111                   | 6.67                     | 133.3               | 0                               | 83.5                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 111                   | 6.67                     | 133.3               | 0                               | 83.5                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 125                   | 6.67                     | 133.3               | 0                               | 93.5                 | 80       | 120       |             |      |          |      |
| Chrysene                   | 123                   | 6.67                     | 133.3               | 0                               | 92.5                 | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 128                   | 6.67                     | 133.3               | 0                               | 96.0                 | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 123                   | 6.67                     | 133.3               | 0                               | 92.5                 | 80       | 120       |             |      |          |      |

| Sample ID: <b>LCS-5986</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11779</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>LCSS</b>     | Batch ID: <b>5986</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149121</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene             | 253                   | 6.67                     | 333.4               | 0                               | 76.0                 | 37.7     | 137       |             |      |          |      |

| Sample ID: <b>MB-5986</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11779</b>  |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>     | Batch ID: <b>5986</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149122</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 19 of 20 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310074  
17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.02

**TestCode:** PAHLL\_S

|                           |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-5986</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11779</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>5986</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149122</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                 |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 3340                  |                          | 6667                |                                 | 50.1                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 3190                  |                          | 6667                |                                 | 47.9                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 2690                  |                          | 6667                |                                 | 40.3                 | 44.9     | 155       |             |      |          | S    |

|                                  |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310022-006AMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11779</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>          | Batch ID: <b>5986</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149132</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                   | 76700                 | 33400                    | 333.4               | 250000                          | -52000               | 64.6     | 110       |             |      |          | SMC  |

|                                   |                       |                          |                     |                                 |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|---------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310022-006AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/7/2013</b>     | RunNo: <b>11779</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>5986</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/8/2013</b> | SeqNo: <b>149133</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value           | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                    | 133000                | 33400                    | 333.4               | 250000                          | -35000               | 64.6     | 110       | 76670       | 54.0 | 20       | SRMC |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 20 of 20  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco



## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

# CHAIN OF CUSTODY RECORD

**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336

Contact Person/Project Manager Michael Springer  
 Company MFA  
 Address 400 EAST MILU PLAZA BLDG.  
SUITE 400, VANCOUVER, WA 98060  
 Phone                                  Fax                                 

Collected By: [Signature]  
 Signature LINDSEY CASEY  
 Printed

Project No. 0443-00.01 Project Name KELSO  
 Project Site Location OR WA X Other X  
 Invoice To MFA P.O. No.                                 

Signature                                   
 Printed                                   
 Turn Around Time                           
 Normal 5-7 Business Days  
 Rush 24-Hour  
 Specify                                 

Rush Analyses Must Be Scheduled With The Lab In Advance

| Date    | Time | Sample I.D.  | Matrix | No. of Containers | Analyses   | For Laboratory Use  | Lab I.D. |
|---------|------|--------------|--------|-------------------|--|---|----------|
| 10/7/13 | 0930 | CS4-S-1.5-W9 | S      | 6                 | MERCURY - SW74H<br>AS, Cd, Pb - GOLD<br>NUTRI-GX | Lab Job No. <u>130074</u><br>Shipped Via <u>Specialty</u><br>Air Bill No. <u>                        </u><br>Temperature On Receipt <u>4</u> °C<br>Specialty Analytical Containers? <input checked="" type="checkbox"/> N<br>Specialty Analytical Trip Blanks? <input type="checkbox"/> Y / N |          |
|         | 1030 | CS8-S-1.0-W5 | l      | 6                 | PCBs - 8082<br>PCBs - 80705H<br>PCBs - 8082      |   |          |
|         | 1200 | CS8-S-1.5-W5 | l      | 6                 |  |   |          |
|         | 1040 | SP3-S-1      | l      | 1                 |  |   |          |
|         | 1315 | CS8-S-1.5-W6 | l      | 6                 |  |   |          |
|         | 1320 | SP4-S-1      | l      | 1                 |  |   |          |
|         |      |              |        |                   |  |   |          |
|         |      |              |        |                   |  |   |          |
|         |      |              |        |                   |  |   |          |
|         |      |              |        |                   |  |   |          |
|         |      |              |        |                   |  |   |          |

Relinquished By: [Signature] Date 10/7/13 Time 1:00  
 Company: MFA  
 Received By: Nuki Pappas Date 10/8/13 Time 07:15  
 Company: Specialty  
 Received For Lab By: [Signature] Date 10/8/13 Time 07:15

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.  
 Samples held beyond 60 days subject to storage fee(s)



# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

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October 17, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.04

Dear Mike Stringer:

Order No.: 1310108

Specialty Analytical received 5 sample(s) on 10/10/2013 for the analyses presented in the following report.

REVISED REPORT: Please see case narrative for information on revision.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is fluid and cursive, with the first name being more prominent.

Marty French  
Lab Director



## Case Narrative

WO#: 1310108

Date: 10/17/2013

### Specialty Analytical

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**CLIENT:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

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#### Report Revision 1

This report includes the original data. The only change is in the wording on Specialty Analytical sample 1310108-005 (SP5-S-1), Lead is now listed as TLCP Lead. Also included is the correct chain of custody.

#### Case Narrative

A review of the Benzene results for client sample CS6-S-1.25-W9, Specialty sample 1310108-002, indicates the sample is ND at both the PQL of 0.043 mg/Kg, and the MDL of 0.008 mg/Kg.

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# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310108-001  
**Client Sample ID:** CS6-S-1.25-W8

**Collection Date:** 10/10/2013 9:00:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 22.4            |      | mg/Kg-dry           | 1   | 10/11/2013 11:40:00 AM |
| Lube Oil                               | ND     | 74.7            |      | mg/Kg-dry           | 1   | 10/11/2013 11:40:00 AM |
| Surr: o-Terphenyl                      | 56.1   | 50-150          |      | %REC                | 1   | 10/11/2013 11:40:00 AM |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | 0.083  | 0.017           |      | mg/Kg-dry           | 1   | 10/11/2013 10:00:00 AM |
| Xylenes, Total                         | ND     | 1.0             |      | mg/Kg-dry           | 1   | 10/11/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene             | 91.4   | 42.6-126        |      | %REC                | 1   | 10/11/2013 10:00:00 AM |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 8.44            |      | mg/Kg-dry           | 1   | 10/11/2013 9:00:00 AM  |
| Surr: 4-Bromofluorobenzene             | 96.6   | 50-150          |      | %REC                | 1   | 10/11/2013 9:00:00 AM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 14400           |      | µg/Kg-dry           | 100 | 10/15/2013 3:49:00 PM  |
| Cadmium                                | ND     | 1440            |      | µg/Kg-dry           | 100 | 10/15/2013 3:49:00 PM  |
| Lead                                   | ND     | 7180            |      | µg/Kg-dry           | 200 | 10/11/2013 9:43:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0248 | 0.0231          |      | mg/Kg-dry           | 1   | 10/11/2013 1:54:00 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.96            |      | µg/Kg-dry           | 1   | 10/11/2013 10:08:00 AM |
| Benzo(a)pyrene                         | ND     | 9.96            |      | µg/Kg-dry           | 1   | 10/11/2013 10:08:00 AM |
| Benzo(b)fluoranthene                   | ND     | 9.96            |      | µg/Kg-dry           | 1   | 10/11/2013 10:08:00 AM |
| Benzo(k)fluoranthene                   | ND     | 9.96            |      | µg/Kg-dry           | 1   | 10/11/2013 10:08:00 AM |
| Chrysene                               | ND     | 9.96            |      | µg/Kg-dry           | 1   | 10/11/2013 10:08:00 AM |
| Dibenz(a,h)anthracene                  | ND     | 9.96            |      | µg/Kg-dry           | 1   | 10/11/2013 10:08:00 AM |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.96            |      | µg/Kg-dry           | 1   | 10/11/2013 10:08:00 AM |
| Surr: 2-Fluorobiphenyl                 | 53.9   | 42.6-128        |      | %REC                | 1   | 10/11/2013 10:08:00 AM |
| Surr: Nitrobenzene-d5                  | 51.1   | 21.7-155        |      | %REC                | 1   | 10/11/2013 10:08:00 AM |
| Surr: p-Terphenyl-d14                  | 75.3   | 44.9-155        |      | %REC                | 1   | 10/11/2013 10:08:00 AM |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.497           |      | µg/Kg-dry           | 1   | 10/11/2013 9:58:20 AM  |
| Aroclor 1221                           | ND     | 0.497           |      | µg/Kg-dry           | 1   | 10/11/2013 9:58:20 AM  |
| Aroclor 1232                           | ND     | 0.497           |      | µg/Kg-dry           | 1   | 10/11/2013 9:58:20 AM  |
| Aroclor 1242                           | ND     | 0.497           |      | µg/Kg-dry           | 1   | 10/11/2013 9:58:20 AM  |
| Aroclor 1248                           | ND     | 0.497           |      | µg/Kg-dry           | 1   | 10/11/2013 9:58:20 AM  |
| Aroclor 1254                           | ND     | 0.497           |      | µg/Kg-dry           | 1   | 10/11/2013 9:58:20 AM  |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/10/2013 9:00:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310108-001

Client Sample ID: CS6-S-1.25-W8

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.497           |      | µg/Kg-dry | 1  | 10/11/2013 9:58:20 AM |
| Aroclor 1262             | ND     | 0.497           |      | µg/Kg-dry | 1  | 10/11/2013 9:58:20 AM |
| Aroclor 1268             | ND     | 0.497           |      | µg/Kg-dry | 1  | 10/11/2013 9:58:20 AM |
| Surr: Decachlorobiphenyl | 94.7   | 56.5-130        |      | %REC      | 1  | 10/11/2013 9:58:20 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310108-002  
**Client Sample ID:** CS6-S-1.25-W9

**Collection Date:** 10/10/2013 9:10:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 21.2            |      | mg/Kg-dry           | 1   | 10/11/2013 12:00:00 PM |
| Lube Oil                               | ND     | 70.5            |      | mg/Kg-dry           | 1   | 10/11/2013 12:00:00 PM |
| Surr: o-Terphenyl                      | 74.3   | 50-150          |      | %REC                | 1   | 10/11/2013 12:00:00 PM |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | ND     | 0.043           |      | mg/Kg-dry           | 1   | 10/11/2013 10:30:00 AM |
| Xylenes, Total                         | ND     | 2.6             |      | mg/Kg-dry           | 1   | 10/11/2013 10:30:00 AM |
| Surr: 4-Bromofluorobenzene             | 58.9   | 42.6-126        |      | %REC                | 1   | 10/11/2013 10:30:00 AM |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 21.6            |      | mg/Kg-dry           | 1   | 10/11/2013 9:30:00 AM  |
| Surr: 4-Bromofluorobenzene             | 53.9   | 50-150          |      | %REC                | 1   | 10/11/2013 9:30:00 AM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 12600           |      | µg/Kg-dry           | 100 | 10/15/2013 3:56:00 PM  |
| Cadmium                                | ND     | 1260            |      | µg/Kg-dry           | 100 | 10/15/2013 3:56:00 PM  |
| Lead                                   | 16400  | 6290            |      | µg/Kg-dry           | 200 | 10/11/2013 9:50:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0458 | 0.0226          |      | mg/Kg-dry           | 1   | 10/11/2013 1:58:00 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.40            |      | µg/Kg-dry           | 1   | 10/11/2013 10:36:00 AM |
| Benzo(a)pyrene                         | ND     | 9.40            |      | µg/Kg-dry           | 1   | 10/11/2013 10:36:00 AM |
| Benzo(b)fluoranthene                   | ND     | 9.40            |      | µg/Kg-dry           | 1   | 10/11/2013 10:36:00 AM |
| Benzo(k)fluoranthene                   | ND     | 9.40            |      | µg/Kg-dry           | 1   | 10/11/2013 10:36:00 AM |
| Chrysene                               | ND     | 9.40            |      | µg/Kg-dry           | 1   | 10/11/2013 10:36:00 AM |
| Dibenz(a,h)anthracene                  | ND     | 9.40            |      | µg/Kg-dry           | 1   | 10/11/2013 10:36:00 AM |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.40            |      | µg/Kg-dry           | 1   | 10/11/2013 10:36:00 AM |
| Surr: 2-Fluorobiphenyl                 | 46.5   | 42.6-128        |      | %REC                | 1   | 10/11/2013 10:36:00 AM |
| Surr: Nitrobenzene-d5                  | 46.8   | 21.7-155        |      | %REC                | 1   | 10/11/2013 10:36:00 AM |
| Surr: p-Terphenyl-d14                  | 73.8   | 44.9-155        |      | %REC                | 1   | 10/11/2013 10:36:00 AM |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.470           |      | µg/Kg-dry           | 1   | 10/11/2013 10:15:20 AM |
| Aroclor 1221                           | ND     | 0.470           |      | µg/Kg-dry           | 1   | 10/11/2013 10:15:20 AM |
| Aroclor 1232                           | ND     | 0.470           |      | µg/Kg-dry           | 1   | 10/11/2013 10:15:20 AM |
| Aroclor 1242                           | ND     | 0.470           |      | µg/Kg-dry           | 1   | 10/11/2013 10:15:20 AM |
| Aroclor 1248                           | ND     | 0.470           |      | µg/Kg-dry           | 1   | 10/11/2013 10:15:20 AM |
| Aroclor 1254                           | ND     | 0.470           |      | µg/Kg-dry           | 1   | 10/11/2013 10:15:20 AM |



# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/10/2013 9:10:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310108-002

Client Sample ID: CS6-S-1.25-W9

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed          |
|--------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>    |
| Aroclor 1260             | ND     | 0.470           |      | µg/Kg-dry | 1  | 10/11/2013 10:15:20 AM |
| Aroclor 1262             | ND     | 0.470           |      | µg/Kg-dry | 1  | 10/11/2013 10:15:20 AM |
| Aroclor 1268             | ND     | 0.470           |      | µg/Kg-dry | 1  | 10/11/2013 10:15:20 AM |
| Surr: Decachlorobiphenyl | 69.5   | 56.5-130        |      | %REC      | 1  | 10/11/2013 10:15:20 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310108-003  
**Client Sample ID:** CS6-S-1.25-W10

**Collection Date:** 10/10/2013 9:20:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 21.5            |      | mg/Kg-dry           | 1   | 10/11/2013 1:00:00 PM  |
| Lube Oil                               | 132    | 71.5            |      | mg/Kg-dry           | 1   | 10/11/2013 1:00:00 PM  |
| Surr: o-Terphenyl                      | 57.6   | 50-150          |      | %REC                | 1   | 10/11/2013 1:00:00 PM  |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | 0.020  | 0.018           |      | mg/Kg-dry           | 1   | 10/11/2013 11:00:00 AM |
| Xylenes, Total                         | ND     | 1.1             |      | mg/Kg-dry           | 1   | 10/11/2013 11:00:00 AM |
| Surr: 4-Bromofluorobenzene             | 60.0   | 42.6-126        |      | %REC                | 1   | 10/11/2013 11:00:00 AM |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 9.23            |      | mg/Kg-dry           | 1   | 10/11/2013 10:00:00 AM |
| Surr: 4-Bromofluorobenzene             | 60.7   | 50-150          |      | %REC                | 1   | 10/11/2013 10:00:00 AM |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 13800           |      | µg/Kg-dry           | 100 | 10/15/2013 4:03:00 PM  |
| Cadmium                                | ND     | 1380            |      | µg/Kg-dry           | 100 | 10/15/2013 4:03:00 PM  |
| Lead                                   | 16500  | 6880            |      | µg/Kg-dry           | 200 | 10/11/2013 9:58:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0307 | 0.0230          |      | mg/Kg-dry           | 1   | 10/11/2013 2:02:00 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.54            |      | µg/Kg-dry           | 1   | 10/11/2013 11:05:00 AM |
| Benzo(a)pyrene                         | ND     | 9.54            |      | µg/Kg-dry           | 1   | 10/11/2013 11:05:00 AM |
| Benzo(b)fluoranthene                   | ND     | 9.54            |      | µg/Kg-dry           | 1   | 10/11/2013 11:05:00 AM |
| Benzo(k)fluoranthene                   | ND     | 9.54            |      | µg/Kg-dry           | 1   | 10/11/2013 11:05:00 AM |
| Chrysene                               | ND     | 9.54            |      | µg/Kg-dry           | 1   | 10/11/2013 11:05:00 AM |
| Dibenz(a,h)anthracene                  | ND     | 9.54            |      | µg/Kg-dry           | 1   | 10/11/2013 11:05:00 AM |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.54            |      | µg/Kg-dry           | 1   | 10/11/2013 11:05:00 AM |
| Surr: 2-Fluorobiphenyl                 | 43.1   | 42.6-128        |      | %REC                | 1   | 10/11/2013 11:05:00 AM |
| Surr: Nitrobenzene-d5                  | 40.8   | 21.7-155        |      | %REC                | 1   | 10/11/2013 11:05:00 AM |
| Surr: p-Terphenyl-d14                  | 64.1   | 44.9-155        |      | %REC                | 1   | 10/11/2013 11:05:00 AM |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.476           |      | µg/Kg-dry           | 1   | 10/11/2013 10:32:00 AM |
| Aroclor 1221                           | ND     | 0.476           |      | µg/Kg-dry           | 1   | 10/11/2013 10:32:00 AM |
| Aroclor 1232                           | ND     | 0.476           |      | µg/Kg-dry           | 1   | 10/11/2013 10:32:00 AM |
| Aroclor 1242                           | ND     | 0.476           |      | µg/Kg-dry           | 1   | 10/11/2013 10:32:00 AM |
| Aroclor 1248                           | ND     | 0.476           |      | µg/Kg-dry           | 1   | 10/11/2013 10:32:00 AM |
| Aroclor 1254                           | ND     | 0.476           |      | µg/Kg-dry           | 1   | 10/11/2013 10:32:00 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/10/2013 9:20:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310108-003

Client Sample ID: CS6-S-1.25-W10

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed          |
|--------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>    |
| Aroclor 1260             | ND     | 0.476           |      | µg/Kg-dry | 1  | 10/11/2013 10:32:00 AM |
| Aroclor 1262             | ND     | 0.476           |      | µg/Kg-dry | 1  | 10/11/2013 10:32:00 AM |
| Aroclor 1268             | ND     | 0.476           |      | µg/Kg-dry | 1  | 10/11/2013 10:32:00 AM |
| Surr: Decachlorobiphenyl | 72.1   | 56.5-130        |      | %REC      | 1  | 10/11/2013 10:32:00 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310108-004  
**Client Sample ID:** CS6-S-2.5-F6

**Collection Date:** 10/10/2013 9:30:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 22.3            |      | mg/Kg-dry           | 1   | 10/11/2013 12:20:00 PM |
| Lube Oil                               | ND     | 74.4            |      | mg/Kg-dry           | 1   | 10/11/2013 12:20:00 PM |
| Surr: o-Terphenyl                      | 58.7   | 50-150          |      | %REC                | 1   | 10/11/2013 12:20:00 PM |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | 0.025  | 0.017           |      | mg/Kg-dry           | 1   | 10/11/2013 11:30:00 AM |
| Xylenes, Total                         | ND     | 1.0             |      | mg/Kg-dry           | 1   | 10/11/2013 11:30:00 AM |
| Surr: 4-Bromofluorobenzene             | 53.2   | 42.6-126        |      | %REC                | 1   | 10/11/2013 11:30:00 AM |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 8.33            |      | mg/Kg-dry           | 1   | 10/11/2013 10:30:00 AM |
| Surr: 4-Bromofluorobenzene             | 59.2   | 50-150          |      | %REC                | 1   | 10/11/2013 10:30:00 AM |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 13300           |      | µg/Kg-dry           | 100 | 10/15/2013 4:11:00 PM  |
| Cadmium                                | ND     | 1330            |      | µg/Kg-dry           | 100 | 10/15/2013 4:11:00 PM  |
| Lead                                   | 57000  | 6640            |      | µg/Kg-dry           | 200 | 10/11/2013 10:05:00 PM |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.0451 | 0.0230          |      | mg/Kg-dry           | 1   | 10/11/2013 2:06:00 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.92            |      | µg/Kg-dry           | 1   | 10/11/2013 12:02:00 PM |
| Benzo(a)pyrene                         | ND     | 9.92            |      | µg/Kg-dry           | 1   | 10/11/2013 12:02:00 PM |
| Benzo(b)fluoranthene                   | ND     | 9.92            |      | µg/Kg-dry           | 1   | 10/11/2013 12:02:00 PM |
| Benzo(k)fluoranthene                   | ND     | 9.92            |      | µg/Kg-dry           | 1   | 10/11/2013 12:02:00 PM |
| Chrysene                               | ND     | 9.92            |      | µg/Kg-dry           | 1   | 10/11/2013 12:02:00 PM |
| Dibenz(a,h)anthracene                  | ND     | 9.92            |      | µg/Kg-dry           | 1   | 10/11/2013 12:02:00 PM |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.92            |      | µg/Kg-dry           | 1   | 10/11/2013 12:02:00 PM |
| Surr: 2-Fluorobiphenyl                 | 46.6   | 42.6-128        |      | %REC                | 1   | 10/11/2013 12:02:00 PM |
| Surr: Nitrobenzene-d5                  | 47.6   | 21.7-155        |      | %REC                | 1   | 10/11/2013 12:02:00 PM |
| Surr: p-Terphenyl-d14                  | 73.9   | 44.9-155        |      | %REC                | 1   | 10/11/2013 12:02:00 PM |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/11/2013 10:48:00 AM |
| Aroclor 1221                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/11/2013 10:48:00 AM |
| Aroclor 1232                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/11/2013 10:48:00 AM |
| Aroclor 1242                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/11/2013 10:48:00 AM |
| Aroclor 1248                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/11/2013 10:48:00 AM |
| Aroclor 1254                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/11/2013 10:48:00 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310108-004  
**Client Sample ID:** CS6-S-2.5-F6

**Collection Date:** 10/10/2013 9:30:00 AM

**Matrix:** SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed          |
|--------------------------|--------|-----------------|------|-----------|----|------------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>    |
| Aroclor 1260             | ND     | 0.495           |      | µg/Kg-dry | 1  | 10/11/2013 10:48:00 AM |
| Aroclor 1262             | ND     | 0.495           |      | µg/Kg-dry | 1  | 10/11/2013 10:48:00 AM |
| Aroclor 1268             | ND     | 0.495           |      | µg/Kg-dry | 1  | 10/11/2013 10:48:00 AM |
| Surr: Decachlorobiphenyl | 81.8   | 56.5-130        |      | %REC      | 1  | 10/11/2013 10:48:00 AM |

# Specialty Analytical

Date Reported: 17-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/10/2013 9:45:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310108-005

Client Sample ID: SP5-S-1

Matrix: SOIL

| Analyses                        | Result | RL      | Qual | Units | DF | Date Analyzed          |
|---------------------------------|--------|---------|------|-------|----|------------------------|
| ICP/MS METALS-TOTAL RECOVERABLE |        | SW6020A |      |       |    | Analyst: ZL            |
| TCLP Lead                       | 284    | 0.500   |      | µg/L  | 1  | 10/15/2013 12:29:00 PM |

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150692</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 5040                  | 100                     | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5060                  | 10.0                    | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |
| Lead                  | 4980                  | 25.0                    | 5000                | 0                                | 99.5                 | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150693</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 5000                  | 100                     | 5000                | 0                                | 100                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5000                  | 10.0                    | 5000                | 0                                | 100                  | 90       | 110       |             |      |          |      |
| Lead                  | 4960                  | 25.0                    | 5000                | 0                                | 99.2                 | 90       | 110       |             |      |          |      |

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6022</b> | SampType: <b>MBLK</b> | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150694</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 100                     |                     |                                  |                      |          |           |             |      |          |      |
| Cadmium                     | ND                    | 10.0                    |                     |                                  |                      |          |           |             |      |          |      |
| Lead                        | ND                    | 25.0                    |                     |                                  |                      |          |           |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 1 of 21 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6022</b> | SampType: <b>LCS</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150695</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 94800                 | 20000                   | 100000              | 0                                | 94.8                 | 73.4     | 120       |             |      |          |      |
| Cadmium                    | 4990                  | 2000                    | 5000                | 0                                | 99.8                 | 80       | 120       |             |      |          |      |
| Lead                       | 101000                | 5000                    | 100000              | 0                                | 101                  | 80       | 120       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150695</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4970                  | 100                     | 5000                | 0                                | 99.4                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5030                  | 10.0                    | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |
| Lead                  | 4970                  | 25.0                    | 5000                | 0                                | 99.4                 | 90       | 110       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310077-001BDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150704</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead                              | 17800                 | 4980                    |                         |                                  |                      |          |           | 12800       | 32.9 | 20       | R    |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310077-001BMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>          | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150705</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 2 of 21  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310077-001BMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150705</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead                             | 108000                | 5160                    | 103300                  | 12800                            | 92.3                 | 70       | 130       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310077-001BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150706</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead                              | 94000                 | 5360                    | 107200                  | 12800                            | 75.7                 | 70       | 130       | 108200      | 14.0 | 20       |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151098</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4990                  | 100                     | 5000                | 0                                | 99.9                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5040                  | 10.0                    | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151099</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4880                  | 100                     | 5000                | 0                                | 97.5                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5100                  | 10.0                    | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 3 of 21  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310077-001BDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151101</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|         |    |      |  |  |  |  |  |   |   |    |
|---------|----|------|--|--|--|--|--|---|---|----|
| Arsenic | ND | 9960 |  |  |  |  |  | 0 | 0 | 20 |
| Cadmium | ND | 996  |  |  |  |  |  | 0 | 0 | 20 |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310077-001BMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151102</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|         |       |       |        |      |      |    |     |
|---------|-------|-------|--------|------|------|----|-----|
| Arsenic | 86700 | 10300 | 103300 | 1330 | 82.6 | 70 | 130 |
| Cadmium | 4370  | 1030  | 5164   | 0    | 84.6 | 70 | 130 |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310077-001BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151103</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|         |       |       |        |      |      |    |     |       |      |    |
|---------|-------|-------|--------|------|------|----|-----|-------|------|----|
| Arsenic | 84900 | 10700 | 107200 | 1330 | 77.9 | 70 | 130 | 92120 | 8.21 | 20 |
| Cadmium | 4560  | 1070  | 5362   | 0    | 85.0 | 70 | 130 | 4412  | 3.21 | 20 |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151110</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|         |      |     |      |   |      |    |     |
|---------|------|-----|------|---|------|----|-----|
| Arsenic | 4850 | 100 | 5000 | 0 | 97.1 | 90 | 110 |
|---------|------|-----|------|---|------|----|-----|

|                    |   |  |  |
|--------------------|---|--|--|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11866</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6022</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151110</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium               | 5120                  | 10.0                    | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_W

|                       |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date:                       | RunNo: <b>11893</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6027</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150833</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TCLP Lead             | 49.7                  | 0.100                   | 50.00              | 0                                | 99.5                 | 90       | 110       |             |      |          |      |

|                             |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6027</b> | SampType: <b>MBLK</b> | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date:                       | RunNo: <b>11893</b>  |          |           |             |      |          |      |
| Client ID: <b>PBW</b>       | Batch ID: <b>6027</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150834</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TCLP Lead                   | ND                    | 0.100                   |                    |                                  |                      |          |           |             |      |          |      |

|                            |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6027</b> | SampType: <b>LCS</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11893</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSW</b>     | Batch ID: <b>6027</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150835</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TCLP Lead                  | 924                   | 20.0                    | 1000               | 0                                | 92.4                 | 80       | 120       |             |      |          |      |

|                                   |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>A1310101-002CMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11893</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6027</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150839</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TCLP Lead                         | 836                   | 20.0                    | 1000               | 0                                | 83.6                 | 70       | 130       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 6 of 21  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_W

|                                    |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|------------------------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>A1310101-002CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11893</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>           | Batch ID: <b>6027</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150840</b> |          |           |             |      |          |      |
| Analyte                            | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TCLP Lead                          | 847                   | 20.0                    | 1000               | 0                                | 84.7                 | 70       | 130       | 835.8       | 1.35 | 20       |      |

|                       |                       |                         |                    |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_W</b> | Units: <b>µg/L</b> | Prep Date:                       | RunNo: <b>11893</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6027</b> | TestNo: <b>SW6020A</b>  | <b>SW3010A</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150841</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TCLP Lead             | 48.2                  | 0.100                   | 50.00              | 0                                | 96.5                 | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                           |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6023</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11834</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6023</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150038</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1221              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1232              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1242              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1248              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1254              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1260              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1262              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1268              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl  | 6410                  |                           | 6667                |                                  | 96.2                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6023</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11834</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6023</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150039</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 55.0                  | 0.333                     | 66.67               | 0                                | 82.5                 | 44.3     | 137       |             |      |          |      |

|                                  |                       |                           |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|---------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-002AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11834</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W9</b>  | Batch ID: <b>6023</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150042</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                       | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                | 80.0                  | 0.470                     | 94.01                   | 0                                | 85.1                 | 56.6     | 123       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 8 of 21  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                                   |                       |                           |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-002AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11834</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W9</b>   | Batch ID: <b>6023</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150043</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                       | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                 | 70.6                  | 0.470                     | 94.01                   | 0                                | 75.1                 | 56.6     | 123       | 80.00       | 12.5 | 20       |      |

|                       |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11834</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6023</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150059</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 70.2                  | 0.333                     | 66.67               | 0                                | 105                  | 85       | 115       |             |      |          |      |

|                       |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11834</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6023</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150224</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 71.3                  | 0.333                     | 66.67               | 0                                | 107                  | 85       | 115       |             |      |          |      |
| Aroclor 1260          | 73.4                  | 0.333                     | 66.67               | 0                                | 110                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 9 of 21  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11855</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6037</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150297</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |        |       |   |      |    |     |
|----------------|-----|--------|-------|---|------|----|-----|
| Benzene        | 2.3 | 0.0050 | 2.500 | 0 | 91.1 | 85 | 115 |
| Xylenes, Total | 7.1 | 0.30   | 7.500 | 0 | 94.9 | 85 | 115 |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6037</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11855</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6037</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150298</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |      |        |       |   |      |      |     |
|----------------|------|--------|-------|---|------|------|-----|
| Benzene        | 0.97 | 0.0050 | 1.250 | 0 | 77.4 | 68.7 | 117 |
| Xylenes, Total | 3.4  | 0.30   | 3.750 | 0 | 90.4 | 70.1 | 116 |

|                           |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6037</b> | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11855</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6037</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150299</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                            |     |        |       |  |      |      |     |
|----------------------------|-----|--------|-------|--|------|------|-----|
| Benzene                    | ND  | 0.0050 |       |  |      |      |     |
| Xylenes, Total             | ND  | 0.30   |       |  |      |      |     |
| Surr: 4-Bromofluorobenzene | 3.6 |        | 5.000 |  | 71.0 | 42.6 | 126 |

|                                  |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-004CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11855</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F6</b>   | Batch ID: <b>6037</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150304</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 10 of 21 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |               |



# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

|                                  |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-004CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11855</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F6</b>   | Batch ID: <b>6037</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150304</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |         |      |      |     |
|----------------|-----|-------|-------|---------|------|------|-----|
| Benzene        | 3.9 | 0.017 | 4.166 | 0.02500 | 93.4 | 32.2 | 108 |
| Xylenes, Total | 10  | 1.0   | 12.50 | 0       | 83.4 | 47.5 | 119 |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-004CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11855</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F6</b>    | Batch ID: <b>6037</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150305</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |         |      |      |     |       |       |    |
|----------------|-----|-------|-------|---------|------|------|-----|-------|-------|----|
| Benzene        | 3.9 | 0.017 | 4.166 | 0.02500 | 94.0 | 32.2 | 108 | 3.916 | 0.679 | 20 |
| Xylenes, Total | 10  | 1.0   | 12.50 | 0       | 83.6 | 47.5 | 119 | 10.43 | 0.176 | 20 |

|                    |   |  |  |
|--------------------|---|--|--|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6034</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11851</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6034</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150197</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                    | 0.385                 | 0.0167                  | 0.4000              | 0                                | 96.2                 | 80       | 120       |             |      |          |      |

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6034</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11851</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6034</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150198</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                     | ND                    | 0.0167                  |                     |                                  |                      |          |           |             |      |          |      |

|                                   |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310103-001BDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11851</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>6034</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150207</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | ND                    | 0.0161                  |                     |                                  |                      |          |           | 0           | 0    | 20       |      |

|                                  |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310103-001BMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11851</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>          | Batch ID: <b>6034</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150208</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 0.230                 | 0.0155                  | 0.3704              | 0.01201                          | 58.9                 | 75       | 125       |             |      |          | S    |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 12 of 21  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                                   |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310103-001BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11851</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6034</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150209</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.219                 | 0.0155                  | 0.3704              | 0.01201                          | 55.9                 | 75       | 125       | 0.2300      | 4.95 | 20       | S    |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11851</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6034</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150215</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.410                 | 0.0167                  | 0.4000              | 0                                | 102                  | 90       | 110       |             |      |          |      |

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

|                           |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6026</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11867</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6026</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150477</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                    | ND                    | 15.0                       |                     |                                  |                      |          |           |             |      |          |      |
| Lube Oil                  | ND                    | 50.0                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: o-Terphenyl         | 26.4                  |                            | 33.30               |                                  | 79.3                 | 50       | 150       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6026</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11867</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6026</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150478</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                     | 205                   | 15.0                       | 166.5               | 0                                | 123                  | 76.3     | 125       |             |      |          |      |
| Lube Oil                   | 155                   | 50.0                       | 166.5               | 0                                | 93.1                 | 69.9     | 127       |             |      |          |      |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310112-004ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11867</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6026</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150483</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                            | 23.8                  | 18.8                       |                         |                                  |                      |          |           | 18.40       | 25.6 | 20       | RF   |
| Lube Oil                          | ND                    | 62.8                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-004ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11867</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F6</b>    | Batch ID: <b>6026</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150487</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 14 of 21  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-004ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11867</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F6</b>    | Batch ID: <b>6026</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150487</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                            | ND                    | 22.3                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |
| Lube Oil                          | ND                    | 74.4                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11867</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6026</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150489</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1510                  | 15.0                       | 1352                | 0                                | 112                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 628                   | 50.0                       | 696.9               | 0                                | 90.1                 | 85       | 115       |             |      |          |      |

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11887</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6026</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150731</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1360                  | 15.0                       | 1352                | 0                                | 101                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 627                   | 50.0                       | 696.9               | 0                                | 90.0                 | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 15 of 21  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11856</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6038</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150306</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 95.3                  | 2.50                       | 100.0               | 0                                | 95.3                 | 80       | 120       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6038</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11856</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6038</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150307</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | 60.3                  | 2.50                       | 50.00               | 0                                | 121                  | 53.5     | 121       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6038</b>  | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11856</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6038</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150308</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND                    | 2.50                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 3.56                  |                            | 5.000               |                                  | 71.2                 | 50       | 150       |             |      |          |      |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310108-004CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/11/2013</b>     | RunNo: <b>11856</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-2.5-F6</b>    | Batch ID: <b>6038</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150313</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 8.33                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 16 of 21 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b>      | Units: <b>mg/Kg</b>              | Prep Date:           | RunNo: <b>11856</b> |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|----------------------------------|----------------------|---------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>6038</b> | TestNo: <b>NWTPH-Gx SW5035A</b> | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150314</b> |                     |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value                        | SPK Ref Val          | %REC                | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 103                   | 2.50                            | 125.0                            | 0                    | 82.6                | 80       | 120       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-6024</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11846</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>6024</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150131</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 111                   | 6.67                     | 133.3               | 0                                | 83.0                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 117                   | 6.67                     | 133.3               | 0                                | 87.5                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 116                   | 6.67                     | 133.3               | 0                                | 87.0                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 128                   | 6.67                     | 133.3               | 0                                | 96.0                 | 80       | 120       |             |      |          |      |
| Chrysene                   | 126                   | 6.67                     | 133.3               | 0                                | 94.5                 | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 120                   | 6.67                     | 133.3               | 0                                | 90.0                 | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 120                   | 6.67                     | 133.3               | 0                                | 90.0                 | 80       | 120       |             |      |          |      |

| Sample ID: <b>LCS-6024</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11846</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>LCSS</b>     | Batch ID: <b>6024</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150132</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 234                   | 6.67                     | 333.4               | 0                                | 70.2                 | 48.4     | 121       |             |      |          |      |
| Benzo(a)pyrene             | 208                   | 6.67                     | 333.4               | 0                                | 62.4                 | 37.7     | 137       |             |      |          |      |
| Benzo(b)fluoranthene       | 230                   | 6.67                     | 333.4               | 0                                | 69.0                 | 58.6     | 117       |             |      |          |      |
| Benzo(k)fluoranthene       | 253                   | 6.67                     | 333.4               | 0                                | 75.8                 | 46.1     | 124       |             |      |          |      |
| Chrysene                   | 243                   | 6.67                     | 333.4               | 0                                | 73.0                 | 57.1     | 130       |             |      |          |      |
| Dibenz(a,h)anthracene      | 224                   | 6.67                     | 333.4               | 0                                | 67.2                 | 44.2     | 124       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 219                   | 6.67                     | 333.4               | 0                                | 65.6                 | 47.9     | 121       |             |      |          |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 18 of 21 |
|--------------------|---|--|--|---------------|



# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>MB-6024</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11846</b>  |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>     | Batch ID: <b>6024</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150133</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 5510                  |                          | 6667                |                                  | 82.7                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 5280                  |                          | 6667                |                                  | 79.2                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 4010                  |                          | 6667                |                                  | 60.1                 | 44.9     | 155       |             |      |          |      |

| Sample ID: <b>1310077-005BMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11846</b>  |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>6024</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150142</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene                | 493                   | 133                      | 333.4               | 706.7                            | -64.0                | 63.4     | 121       |             |      |          | SMI  |
| Benzo(a)pyrene                   | 520                   | 133                      | 333.4               | 773.3                            | -76.0                | 64.6     | 110       |             |      |          | SMI  |
| Benzo(b)fluoranthene             | 533                   | 133                      | 333.4               | 626.7                            | -28.0                | 41.6     | 172       |             |      |          | SMI  |
| Benzo(k)fluoranthene             | 293                   | 133                      | 333.4               | 186.7                            | 32.0                 | 47.9     | 140       |             |      |          | SMI  |
| Chrysene                         | 573                   | 133                      | 333.4               | 853.3                            | -84.0                | 37.5     | 125       |             |      |          | SMI  |
| Dibenz(a,h)anthracene            | 253                   | 133                      | 333.4               | 106.7                            | 44.0                 | 23.6     | 125       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene           | 400                   | 133                      | 333.4               | 453.3                            | -16.0                | 26.8     | 133       |             |      |          | SMI  |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 19 of 21  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>1310077-005BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/10/2013</b>     | RunNo: <b>11846</b>  |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6024</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/11/2013</b> | SeqNo: <b>150194</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene                 | 507                   | 133                      | 333.4               | 706.7                            | -60.0                | 63.4     | 121       | 493.3       | 2.67 | 20       | SMI  |
| Benzo(a)pyrene                    | 520                   | 133                      | 333.4               | 773.3                            | -76.0                | 64.6     | 110       | 520.0       | 0    | 20       | SMI  |
| Benzo(b)fluoranthene              | 480                   | 133                      | 333.4               | 626.7                            | -44.0                | 41.6     | 172       | 533.3       | 10.5 | 20       | SMI  |
| Benzo(k)fluoranthene              | 227                   | 133                      | 333.4               | 186.7                            | 12.0                 | 47.9     | 140       | 293.3       | 25.6 | 20       | SRMI |
| Chrysene                          | 600                   | 133                      | 333.4               | 853.3                            | -76.0                | 37.5     | 125       | 573.3       | 4.55 | 20       | SMI  |
| Dibenz(a,h)anthracene             | 187                   | 133                      | 333.4               | 106.7                            | 24.0                 | 23.6     | 125       | 253.3       | 30.3 | 20       | R    |
| Indeno(1,2,3-cd)pyrene            | 347                   | 133                      | 333.4               | 453.3                            | -32.0                | 26.8     | 133       | 400.0       | 14.3 | 20       | SMI  |

| Sample ID: <b>CCV-6024</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11846</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>6024</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150537</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 107                   | 6.67                     | 133.3               | 0                                | 80.0                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 112                   | 6.67                     | 133.3               | 0                                | 84.0                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 117                   | 6.67                     | 133.3               | 0                                | 88.0                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 138                   | 6.67                     | 133.3               | 0                                | 104                  | 80       | 120       |             |      |          |      |
| Chrysene                   | 128                   | 6.67                     | 133.3               | 0                                | 96.0                 | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 116                   | 6.67                     | 133.3               | 0                                | 87.0                 | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 113                   | 6.67                     | 133.3               | 0                                | 85.0                 | 80       | 120       |             |      |          |      |

# QC SUMMARY REPORT

WO#: 1310108

17-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>CCB-6024</b> | SampType: <b>CCB</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11846</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCB</b>      | Batch ID: <b>6024</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150538</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(a)pyrene             | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene       | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene       | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Chrysene                   | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

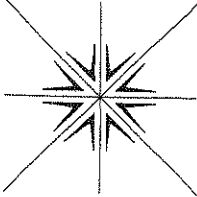
H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.



**Specialty Analytical**  
 11711 SE Capps Road  
 Clackamas, OR 97015  
 Phone: 503-607-1331  
 Fax: 503-607-1336

**CHAIN OF CUSTODY RECORD**

Contact Person/Project Manager Michelle Stumbert  
 Company MPA  
 Address 400 East Mill Plain Blvd.  
 Phone                  Fax                   
 Project No. 0443-0304 Project Name Keaso  
 Project Site Location OR WA X Other  
 Invoice To MPA P.O. No.                 

Collected By: [Signature]  
 Signature [Signature]  
 Printed ANDREW CRISBY

Signature                                   
 Printed                                   
 Turn Around Time                   
 Normal 5-7 Business Days  
 Rush 24-Hour  
 Specify                                 

**Rush Analyses Must Be Scheduled With The Lab In Advance**

| Date     | Time | Sample I.D.     | Matrix | No. of Containers | Analyses     | For Laboratory Use |             |              | Date     | Time |
|----------|------|-----------------|--------|-------------------|--------------|--------------------|-------------|--------------|----------|------|
|          |      |                 |        |                   |              | Lab Job No.        | Shipped Via | Air Bill No. |          |      |
| 10/10/13 | 0900 | CS10-S-1.25-108 | S      | 1                 | METALS SWATH | 31008              | Specialty   |              | 10/10/13 | 1100 |
|          | 0910 | CS10-S-1.25-109 |        | 1                 | MERURY SWATH | 31008              | Specialty   |              | 10/10/13 | 1100 |
|          | 0920 | CS10-S-1.25-110 |        | 1                 | PBS 8080     | 31008              | Specialty   |              | 10/10/13 | 1100 |
|          | 0930 | CS10-S-1.25-111 |        | 1                 | As, Pb, Cd   | 31008              | Specialty   |              | 10/10/13 | 1100 |
|          | 0945 | SPS-S-1         |        | 1                 | TOP LEAD     | 31008              | Specialty   |              | 10/10/13 | 1400 |

Relinquished By: [Signature]  
 Company: MPA

Received By: [Signature]  
 Company: MPA

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.

Samples held beyond 60 days subject to storage fee(s)



# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

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October 16, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.04

Dear Mike Stringer:

Order No.: 1310128

Specialty Analytical received 3 sample(s) on 10/14/2013 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is fluid and cursive, with the first name being more prominent.

Marty French  
Lab Director

# Specialty Analytical

Date Reported: 16-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310128-001  
**Client Sample ID:** CS2-S-1.5-W7

**Collection Date:** 10/14/2013 7:30:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | 55.1   | 21.6            |      | mg/Kg-dry           | 1   | 10/15/2013 7:21:30 AM  |
| Lube Oil                               | 169    | 71.9            |      | mg/Kg-dry           | 1   | 10/15/2013 7:21:30 AM  |
| Surr: o-Terphenyl                      | 77.2   | 50-150          |      | %REC                | 1   | 10/15/2013 7:21:30 AM  |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | ND     | 0.017           |      | mg/Kg-dry           | 1   | 10/15/2013 10:20:00 AM |
| Xylenes, Total                         | ND     | 1.0             |      | mg/Kg-dry           | 1   | 10/15/2013 10:20:00 AM |
| Surr: 4-Bromofluorobenzene             | 59.5   | 42.6-126        |      | %REC                | 1   | 10/15/2013 10:20:00 AM |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 8.48            |      | mg/Kg-dry           | 1   | 10/15/2013 10:20:00 AM |
| Surr: 4-Bromofluorobenzene             | 61.2   | 50-150          |      | %REC                | 1   | 10/15/2013 10:20:00 AM |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 12400           |      | µg/Kg-dry           | 100 | 10/15/2013 6:47:00 PM  |
| Cadmium                                | 1930   | 1240            |      | µg/Kg-dry           | 100 | 10/15/2013 6:47:00 PM  |
| Lead                                   | 161000 | 3100            |      | µg/Kg-dry           | 100 | 10/15/2013 6:47:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.164  | 0.0231          |      | mg/Kg-dry           | 1   | 10/15/2013 2:13:02 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.59            |      | µg/Kg-dry           | 1   | 10/14/2013 6:32:00 PM  |
| Benzo(a)pyrene                         | ND     | 9.59            |      | µg/Kg-dry           | 1   | 10/14/2013 6:32:00 PM  |
| Benzo(b)fluoranthene                   | ND     | 9.59            |      | µg/Kg-dry           | 1   | 10/14/2013 6:32:00 PM  |
| Benzo(k)fluoranthene                   | ND     | 9.59            |      | µg/Kg-dry           | 1   | 10/14/2013 6:32:00 PM  |
| Chrysene                               | ND     | 9.59            |      | µg/Kg-dry           | 1   | 10/14/2013 6:32:00 PM  |
| Dibenz(a,h)anthracene                  | ND     | 9.59            |      | µg/Kg-dry           | 1   | 10/14/2013 6:32:00 PM  |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.59            |      | µg/Kg-dry           | 1   | 10/14/2013 6:32:00 PM  |
| Surr: 2-Fluorobiphenyl                 | 62.4   | 42.6-128        |      | %REC                | 1   | 10/14/2013 6:32:00 PM  |
| Surr: Nitrobenzene-d5                  | 57.0   | 21.7-155        |      | %REC                | 1   | 10/14/2013 6:32:00 PM  |
| Surr: p-Terphenyl-d14                  | 72.4   | 44.9-155        |      | %REC                | 1   | 10/14/2013 6:32:00 PM  |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.479           |      | µg/Kg-dry           | 1   | 10/14/2013 8:55:34 PM  |
| Aroclor 1221                           | ND     | 0.479           |      | µg/Kg-dry           | 1   | 10/14/2013 8:55:34 PM  |
| Aroclor 1232                           | ND     | 0.479           |      | µg/Kg-dry           | 1   | 10/14/2013 8:55:34 PM  |
| Aroclor 1242                           | ND     | 0.479           |      | µg/Kg-dry           | 1   | 10/14/2013 8:55:34 PM  |
| Aroclor 1248                           | ND     | 0.479           |      | µg/Kg-dry           | 1   | 10/14/2013 8:55:34 PM  |
| Aroclor 1254                           | ND     | 0.479           |      | µg/Kg-dry           | 1   | 10/14/2013 8:55:34 PM  |

# Specialty Analytical

Date Reported: 16-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/14/2013 7:30:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310128-001

Client Sample ID: CS2-S-1.5-W7

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/14/2013 8:55:34 PM |
| Aroclor 1262             | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/14/2013 8:55:34 PM |
| Aroclor 1268             | ND     | 0.479           |      | µg/Kg-dry | 1  | 10/14/2013 8:55:34 PM |
| Surr: Decachlorobiphenyl | 86.4   | 56.5-130        |      | %REC      | 1  | 10/14/2013 8:55:34 PM |



# Specialty Analytical

Date Reported: 16-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310128-002  
**Client Sample ID:** CS2-S-1.5-W8

**Collection Date:** 10/14/2013 7:45:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units     | DF  | Date Analyzed          |
|--|--------|-----------------|------|-----------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      |           |     | Analyst: <b>JRC</b>    |
| Diesel                                 | ND     | 18.9            |      | mg/Kg-dry | 1   | 10/15/2013 7:43:13 AM  |
| Lube Oil                               | ND     | 63.1            |      | mg/Kg-dry | 1   | 10/15/2013 7:43:13 AM  |
| Surr: o-Terphenyl                      | 75.1   | 50-150          |      | %REC      | 1   | 10/15/2013 7:43:13 AM  |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      |           |     | Analyst: <b>JRC</b>    |
| Benzene                                | ND     | 0.012           |      | mg/Kg-dry | 1   | 10/15/2013 10:46:00 AM |
| Xylenes, Total                         | ND     | 0.74            |      | mg/Kg-dry | 1   | 10/15/2013 10:46:00 AM |
| Surr: 4-Bromofluorobenzene             | 52.6   | 42.6-126        |      | %REC      | 1   | 10/15/2013 10:46:00 AM |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      |           |     | Analyst: <b>JRC</b>    |
| Gasoline                               | ND     | 6.12            |      | mg/Kg-dry | 1   | 10/15/2013 10:55:00 AM |
| Surr: 4-Bromofluorobenzene             | 53.7   | 50-150          |      | %REC      | 1   | 10/15/2013 10:55:00 AM |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      |           |     | Analyst: <b>ZL</b>     |
| Arsenic                                | ND     | 11700           |      | µg/Kg-dry | 100 | 10/15/2013 6:54:00 PM  |
| Cadmium                                | ND     | 1170            |      | µg/Kg-dry | 100 | 10/15/2013 6:54:00 PM  |
| Lead                                   | 17200  | 2920            |      | µg/Kg-dry | 100 | 10/15/2013 6:54:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      |           |     | Analyst: <b>ZL</b>     |
| Mercury                                | 0.111  | 0.0203          |      | mg/Kg-dry | 1   | 10/15/2013 2:13:02 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      |           |     | Analyst: <b>bda</b>    |
| Benz(a)anthracene                      | ND     | 8.42            |      | µg/Kg-dry | 1   | 10/14/2013 7:01:00 PM  |
| Benzo(a)pyrene                         | ND     | 8.42            |      | µg/Kg-dry | 1   | 10/14/2013 7:01:00 PM  |
| Benzo(b)fluoranthene                   | ND     | 8.42            |      | µg/Kg-dry | 1   | 10/14/2013 7:01:00 PM  |
| Benzo(k)fluoranthene                   | ND     | 8.42            |      | µg/Kg-dry | 1   | 10/14/2013 7:01:00 PM  |
| Chrysene                               | ND     | 8.42            |      | µg/Kg-dry | 1   | 10/14/2013 7:01:00 PM  |
| Dibenz(a,h)anthracene                  | ND     | 8.42            |      | µg/Kg-dry | 1   | 10/14/2013 7:01:00 PM  |
| Indeno(1,2,3-cd)pyrene                 | ND     | 8.42            |      | µg/Kg-dry | 1   | 10/14/2013 7:01:00 PM  |
| Surr: 2-Fluorobiphenyl                 | 66.4   | 42.6-128        |      | %REC      | 1   | 10/14/2013 7:01:00 PM  |
| Surr: Nitrobenzene-d5                  | 62.0   | 21.7-155        |      | %REC      | 1   | 10/14/2013 7:01:00 PM  |
| Surr: p-Terphenyl-d14                  | 70.7   | 44.9-155        |      | %REC      | 1   | 10/14/2013 7:01:00 PM  |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      |           |     | Analyst: <b>ajr</b>    |
| Aroclor 1016                           | ND     | 0.420           |      | µg/Kg-dry | 1   | 10/14/2013 9:12:34 PM  |
| Aroclor 1221                           | ND     | 0.420           |      | µg/Kg-dry | 1   | 10/14/2013 9:12:34 PM  |
| Aroclor 1232                           | ND     | 0.420           |      | µg/Kg-dry | 1   | 10/14/2013 9:12:34 PM  |
| Aroclor 1242                           | ND     | 0.420           |      | µg/Kg-dry | 1   | 10/14/2013 9:12:34 PM  |
| Aroclor 1248                           | ND     | 0.420           |      | µg/Kg-dry | 1   | 10/14/2013 9:12:34 PM  |
| Aroclor 1254                           | ND     | 0.420           |      | µg/Kg-dry | 1   | 10/14/2013 9:12:34 PM  |

# Specialty Analytical

Date Reported: 16-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/14/2013 7:45:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310128-002

Client Sample ID: CS2-S-1.5-W8

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.420           |      | µg/Kg-dry | 1  | 10/14/2013 9:12:34 PM |
| Aroclor 1262             | ND     | 0.420           |      | µg/Kg-dry | 1  | 10/14/2013 9:12:34 PM |
| Aroclor 1268             | ND     | 0.420           |      | µg/Kg-dry | 1  | 10/14/2013 9:12:34 PM |
| Surr: Decachlorobiphenyl | 95.2   | 56.5-130        |      | %REC      | 1  | 10/14/2013 9:12:34 PM |

# Specialty Analytical

Date Reported: 16-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310128-003  
**Client Sample ID:** CS4-S-1.5-W10

**Collection Date:** 10/14/2013 10:15:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Diesel                                 | ND     | 22.3            |      | mg/Kg-dry           | 1   | 10/15/2013 8:26:48 AM  |
| Lube Oil                               | ND     | 74.3            |      | mg/Kg-dry           | 1   | 10/15/2013 8:26:48 AM  |
| Surr: o-Terphenyl                      | 79.9   | 50-150          |      | %REC                | 1   | 10/15/2013 8:26:48 AM  |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | ND     | 0.019           |      | mg/Kg-dry           | 1   | 10/15/2013 11:11:00 AM |
| Xylenes, Total                         | ND     | 1.1             |      | mg/Kg-dry           | 1   | 10/15/2013 11:11:00 AM |
| Surr: 4-Bromofluorobenzene             | 60.8   | 42.6-126        |      | %REC                | 1   | 10/15/2013 11:11:00 AM |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 9.51            |      | mg/Kg-dry           | 1   | 10/15/2013 11:11:00 AM |
| Surr: 4-Bromofluorobenzene             | 60.3   | 50-150          |      | %REC                | 1   | 10/15/2013 11:11:00 AM |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 12800           |      | µg/Kg-dry           | 100 | 10/15/2013 7:02:00 PM  |
| Cadmium                                | ND     | 1280            |      | µg/Kg-dry           | 100 | 10/15/2013 7:02:00 PM  |
| Lead                                   | 79800  | 3200            |      | µg/Kg-dry           | 100 | 10/15/2013 7:02:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>ZL</b>  |     |                        |
| Mercury                                | 0.932  | 0.0248          |      | mg/Kg-dry           | 1   | 10/15/2013 2:13:02 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.91            |      | µg/Kg-dry           | 1   | 10/14/2013 7:29:00 PM  |
| Benzo(a)pyrene                         | ND     | 9.91            |      | µg/Kg-dry           | 1   | 10/14/2013 7:29:00 PM  |
| Benzo(b)fluoranthene                   | ND     | 9.91            |      | µg/Kg-dry           | 1   | 10/14/2013 7:29:00 PM  |
| Benzo(k)fluoranthene                   | ND     | 9.91            |      | µg/Kg-dry           | 1   | 10/14/2013 7:29:00 PM  |
| Chrysene                               | ND     | 9.91            |      | µg/Kg-dry           | 1   | 10/14/2013 7:29:00 PM  |
| Dibenz(a,h)anthracene                  | ND     | 9.91            |      | µg/Kg-dry           | 1   | 10/14/2013 7:29:00 PM  |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.91            |      | µg/Kg-dry           | 1   | 10/14/2013 7:29:00 PM  |
| Surr: 2-Fluorobiphenyl                 | 65.0   | 42.6-128        |      | %REC                | 1   | 10/14/2013 7:29:00 PM  |
| Surr: Nitrobenzene-d5                  | 64.6   | 21.7-155        |      | %REC                | 1   | 10/14/2013 7:29:00 PM  |
| Surr: p-Terphenyl-d14                  | 71.3   | 44.9-155        |      | %REC                | 1   | 10/14/2013 7:29:00 PM  |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/14/2013 9:29:34 PM  |
| Aroclor 1221                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/14/2013 9:29:34 PM  |
| Aroclor 1232                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/14/2013 9:29:34 PM  |
| Aroclor 1242                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/14/2013 9:29:34 PM  |
| Aroclor 1248                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/14/2013 9:29:34 PM  |
| Aroclor 1254                           | ND     | 0.495           |      | µg/Kg-dry           | 1   | 10/14/2013 9:29:34 PM  |

# Specialty Analytical

Date Reported: 16-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/14/2013 10:15:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310128-003

Client Sample ID: CS4-S-1.5-W10

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.495           |      | µg/Kg-dry | 1  | 10/14/2013 9:29:34 PM |
| Aroclor 1262             | ND     | 0.495           |      | µg/Kg-dry | 1  | 10/14/2013 9:29:34 PM |
| Aroclor 1268             | ND     | 0.495           |      | µg/Kg-dry | 1  | 10/14/2013 9:29:34 PM |
| Surr: Decachlorobiphenyl | 78.4   | 56.5-130        |      | %REC      | 1  | 10/14/2013 9:29:34 PM |

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11914</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151132</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4990                  | 100                     | 5000                | 0                                | 99.9                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5040                  | 10.0                    | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |
| Lead                  | 4970                  | 25.0                    | 5000                | 0                                | 99.5                 | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11914</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151133</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4790                  | 100                     | 5000                | 0                                | 95.9                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5190                  | 10.0                    | 5000                | 0                                | 104                  | 90       | 110       |             |      |          |      |
| Lead                  | 5080                  | 25.0                    | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6051</b> | SampType: <b>MBLK</b> | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11914</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151134</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 100                     |                     |                                  |                      |          |           |             |      |          |      |
| Cadmium                     | ND                    | 10.0                    |                     |                                  |                      |          |           |             |      |          |      |
| Lead                        | ND                    | 25.0                    |                     |                                  |                      |          |           |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 1 of 15 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

| Sample ID: <b>LCS-6051</b> | SampType: <b>LCS</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11914</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>LCSS</b>     | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151135</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 78600                 | 20000                   | 100000              | 0                                | 78.6                 | 73.4     | 120       |             |      |          |      |
| Cadmium                    | 4550                  | 2000                    | 5000                | 0                                | 91.1                 | 80       | 120       |             |      |          |      |
| Lead                       | 84200                 | 5000                    | 100000              | 0                                | 84.2                 | 80       | 120       |             |      |          |      |

| Sample ID: <b>A1310121-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11914</b>  |          |           |             |      |          |      |
|------------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>ZZZZZZ</b>           | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151137</b> |          |           |             |      |          |      |
| Analyte                            | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                            | ND                    | 9260                    |                     |                                  |                      |          |           | 0           | 0    | 20       |      |
| Cadmium                            | ND                    | 926                     |                     |                                  |                      |          |           | 0           | 0    | 20       |      |
| Lead                               | 6240                  | 2310                    |                     |                                  |                      |          |           | 7954        | 24.2 | 20       | RF   |

| Sample ID: <b>A1310121-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11914</b>  |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151138</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | 76100                 | 18500                   | 92590               | 2904                             | 79.1                 | 70       | 130       |             |      |          |      |
| Cadmium                           | 3880                  | 1850                    | 4630                | 0                                | 83.8                 | 70       | 130       |             |      |          |      |
| Lead                              | 85400                 | 4630                    | 92590               | 7954                             | 83.6                 | 70       | 130       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 2 of 15  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                                    |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|------------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>A1310121-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11914</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>           | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151139</b> |          |           |             |      |          |      |
| Analyte                            | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                            | 85100                 | 20000                   | 100000              | 2904                             | 82.2                 | 70       | 130       | 76130       | 11.2 | 20       |      |
| Cadmium                            | 4480                  | 2000                    | 5000                | 0                                | 89.6                 | 70       | 130       | 3880        | 14.4 | 20       |      |
| Lead                               | 95900                 | 5000                    | 100000              | 7954                             | 88.0                 | 70       | 130       | 85390       | 11.6 | 20       |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11914</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6051</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151144</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4780                  | 100                     | 5000                | 0                                | 95.6                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5110                  | 10.0                    | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |
| Lead                  | 5040                  | 25.0                    | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 3 of 15 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                           |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6044</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11888</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6044</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150732</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1221              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1232              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1242              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1248              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1254              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1260              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1262              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1268              | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl  | 5790                  |                           | 6667                |                                  | 86.8                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6044</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11888</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6044</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150733</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 67.2                  | 0.333                     | 66.67               | 0                                | 101                  | 44.3     | 137       |             |      |          |      |

|                       |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11888</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6044</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150738</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 74.0                  | 0.333                     | 66.67               | 0                                | 111                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 4 of 15  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                       |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11888</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6044</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150739</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260     | 71.3                  | 0.333                     | 66.67               | 0                                | 107                  | 85       | 115       |             |      |          |      |

|                             |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCSD-6044</b> | SampType: <b>LCSD</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11888</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS02</b>    | Batch ID: <b>6044</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150740</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260           | 64.2                  | 0.333                     | 66.67               | 0                                | 96.3                 | 44.3     | 137       | 67.20       | 4.57 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
 O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
 S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11905</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6057</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150997</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene               | 2.4                   | 0.025                      | 2.500               | 0                                | 97.5                 | 85       | 115       |             |      |          |      |
| Xylenes, Total        | 7.5                   | 0.30                       | 7.500               | 0                                | 99.4                 | 85       | 115       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6057</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11905</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6057</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150998</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | 1.3                   | 0.025                      | 1.250               | 0                                | 101                  | 68.7     | 117       |             |      |          |      |
| Xylenes, Total             | 3.0                   | 0.30                       | 3.750               | 0                                | 78.8                 | 70.1     | 116       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6057</b>  | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11905</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6057</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150999</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | ND                    | 0.025                      |                     |                                  |                      |          |           |             |      |          |      |
| Xylenes, Total             | ND                    | 0.30                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 3.1                   |                            | 5.000               |                                  | 62.4                 | 42.6     | 126       |             |      |          |      |

|                                  |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310128-003CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11905</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W10</b>  | Batch ID: <b>6057</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151003</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 6 of 15 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

| Sample ID: <b>1310128-003CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11905</b>  |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CS4-S-1.5-W10</b>  | Batch ID: <b>6057</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151003</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |   |      |      |     |  |  |  |  |
|----------------|-----|-------|-------|---|------|------|-----|--|--|--|--|
| Benzene        | 4.7 | 0.019 | 4.756 | 0 | 99.5 | 32.2 | 108 |  |  |  |  |
| Xylenes, Total | 14  | 1.1   | 14.27 | 0 | 95.4 | 47.5 | 119 |  |  |  |  |

| Sample ID: <b>1310128-003CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11905</b>  |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CS4-S-1.5-W10</b>   | Batch ID: <b>6057</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151004</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |   |      |      |     |       |      |    |  |
|----------------|-----|-------|-------|---|------|------|-----|-------|------|----|--|
| Benzene        | 4.8 | 0.019 | 4.756 | 0 | 101  | 32.2 | 108 | 4.733 | 1.36 | 20 |  |
| Xylenes, Total | 12  | 1.1   | 14.27 | 0 | 82.7 | 47.5 | 119 | 13.61 | 14.3 | 20 |  |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6052</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11897</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6052</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150883</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                    | 0.378                 | 0.0167                  | 0.4000              | 0                                | 94.5                 | 80       | 120       |             |      |          |      |

|                           |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6052</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11897</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6052</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150884</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                   | ND                    | 0.0167                  |                     |                                  |                      |          |           |             |      |          |      |

|                                   |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310114-003BDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11897</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6052</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150886</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.123                 | 0.0155                  |                     |                                  |                      |          |           | 0.3724      | 101  | 20       | R    |

|                                  |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310114-003BMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11897</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>6052</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150887</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 2.73                  | 0.167                   | 2.000               | 0.1232                           | 130                  | 75       | 125       |             |      |          | S    |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 8 of 15 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |              |

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                                   |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310114-003BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11897</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6052</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150888</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 2.45                  | 0.161                   | 1.923               | 0.1232                           | 121                  | 75       | 125       | 2.726       | 10.7 | 20       |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11897</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6052</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150895</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.391                 | 0.0167                  | 0.4000              | 0                                | 97.8                 | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11897</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6052</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150897</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.431                 | 0.0167                  | 0.4000              | 0                                | 108                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 9 of 15  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11889</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6048</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150741</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |      |      |       |   |      |    |     |
|----------|------|------|-------|---|------|----|-----|
| Diesel   | 1360 | 15.0 | 1352  | 0 | 101  | 85 | 115 |
| Lube Oil | 627  | 50.0 | 696.9 | 0 | 90.0 | 85 | 115 |

|                        |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11889</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>  | Batch ID: <b>6048</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150742</b> |          |           |             |      |          |      |
| Analyte                | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                   |      |      |       |  |      |    |     |
|-------------------|------|------|-------|--|------|----|-----|
| Diesel            | ND   | 15.0 |       |  |      |    |     |
| Lube Oil          | ND   | 50.0 |       |  |      |    |     |
| Surr: o-Terphenyl | 27.9 |      | 33.30 |  | 83.8 | 50 | 150 |

|                        |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS</b>  | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11889</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b> | Batch ID: <b>6048</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150743</b> |          |           |             |      |          |      |
| Analyte                | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |      |      |     |
|----------|-----|------|-------|---|------|------|-----|
| Diesel   | 199 | 15.0 | 166.5 | 0 | 119  | 76.3 | 125 |
| Lube Oil | 155 | 50.0 | 166.5 | 0 | 93.2 | 69.9 | 127 |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310128-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11889</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W8</b>    | Batch ID: <b>6048</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150746</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 10 of 15 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |               |

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310128-002ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11889</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W8</b>    | Batch ID: <b>6048</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150746</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                            | ND                    | 18.9                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |
| Lube Oil                          | ND                    | 63.1                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11889</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6048</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>150748</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1090                  | 15.0                       | 1014                | 0                                | 108                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 486                   | 50.0                       | 522.7               | 0                                | 93.1                 | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11906</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6058</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151005</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 98.4                  | 2.50                       | 100.0               | 0                                | 98.4                 | 80       | 120       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6058</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11906</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6058</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151006</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | 48.3                  | 2.50                       | 50.00               | 0                                | 96.6                 | 53.5     | 121       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6058</b>  | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11906</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6058</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151007</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND                    | 2.50                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 3.16                  |                            | 5.000               |                                  | 63.2                 | 50       | 150       |             |      |          |      |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310128-003CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/15/2013</b>     | RunNo: <b>11906</b>  |          |           |             |      |          |      |
| Client ID: <b>CS4-S-1.5-W10</b>   | Batch ID: <b>6058</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151011</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 9.51                       |                         |                                  |                      |          |           | 0           | 200  | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 12 of 15  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b>      | Units: <b>mg/Kg</b>              | Prep Date:           | RunNo: <b>11906</b> |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|----------------------------------|----------------------|---------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>6058</b> | TestNo: <b>NWTPH-Gx SW5035A</b> | Analysis Date: <b>10/15/2013</b> | SeqNo: <b>151012</b> |                     |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value                        | SPK Ref Val          | %REC                | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 127                   | 2.50                            | 125.0                            | 0                    | 102                 | 80       | 120       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-6047</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11884</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>6047</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150666</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 131                   | 6.67                     | 133.3               | 0                                | 98.0                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 128                   | 6.67                     | 133.3               | 0                                | 96.0                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 119                   | 6.67                     | 133.3               | 0                                | 89.5                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 132                   | 6.67                     | 133.3               | 0                                | 99.0                 | 80       | 120       |             |      |          |      |
| Chrysene                   | 138                   | 6.67                     | 133.3               | 0                                | 104                  | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 133                   | 6.67                     | 133.3               | 0                                | 99.5                 | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 127                   | 6.67                     | 133.3               | 0                                | 95.5                 | 80       | 120       |             |      |          |      |

| Sample ID: <b>MB-6047</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11884</b>  |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>     | Batch ID: <b>6047</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150667</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 4050                  |                          | 6667                |                                  | 60.8                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 3630                  |                          | 6667                |                                  | 54.4                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 5160                  |                          | 6667                |                                  | 77.4                 | 44.9     | 155       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 14 of 15  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310128

16-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

|                            |                       |                          |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6047</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11884</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6047</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150668</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene             | 167                   | 6.67                     | 333.4               | 0                                | 50.2                 | 37.7     | 137       |             |      |          |      |

|                                  |                       |                          |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310128-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11884</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W7</b>   | Batch ID: <b>6047</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>         | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150672</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                   | 281                   | 9.59                     | 479.3                   | 1.917                            | 58.2                 | 64.6     | 110       |             |      |          | SMI  |

|                                   |                       |                          |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310128-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/14/2013</b>     | RunNo: <b>11884</b>  |          |           |             |      |          |      |
| Client ID: <b>CS2-S-1.5-W7</b>    | Batch ID: <b>6047</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>         | Analysis Date: <b>10/14/2013</b> | SeqNo: <b>150673</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                    | 266                   | 9.59                     | 479.3                   | 1.917                            | 55.0                 | 64.6     | 110       | 280.9       | 5.61 | 20       | SMI  |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 15 of 15  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.





# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

---

October 23, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.04

Dear Mike Stringer:

Order No.: 1310157

Specialty Analytical received 1 sample(s) on 10/17/2013 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized and cursive.

Marty French  
Lab Director

# Specialty Analytical

Date Reported: 23-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310157-001  
**Client Sample ID:** CS6-S-1.25-W11

**Collection Date:** 10/16/2013 1:00:00 PM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>ZP</b>  |     |                        |
| Diesel                                 | ND     | 21.2            |      | mg/Kg-dry           | 1   | 10/17/2013 9:21:15 PM  |
| Lube Oil                               | ND     | 70.7            |      | mg/Kg-dry           | 1   | 10/17/2013 9:21:15 PM  |
| Surr: o-Terphenyl                      | 86.6   | 50-150          |      | %REC                | 1   | 10/17/2013 9:21:15 PM  |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | ND     | 0.016           |      | mg/Kg-dry           | 1   | 10/17/2013 9:30:00 AM  |
| Xylenes, Total                         | ND     | 0.97            |      | mg/Kg-dry           | 1   | 10/17/2013 9:30:00 AM  |
| Surr: 4-Bromofluorobenzene             | 56.0   | 42.6-126        |      | %REC                | 1   | 10/17/2013 9:30:00 AM  |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 8.13            |      | mg/Kg-dry           | 1   | 10/17/2013 9:00:00 AM  |
| Surr: 4-Bromofluorobenzene             | 58.4   | 50-150          |      | %REC                | 1   | 10/17/2013 9:00:00 AM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 9820            |      | µg/Kg-dry           | 100 | 10/17/2013 4:03:00 PM  |
| Cadmium                                | 7140   | 982             |      | µg/Kg-dry           | 100 | 10/17/2013 4:03:00 PM  |
| Lead                                   | 34600  | 2460            |      | µg/Kg-dry           | 100 | 10/17/2013 4:03:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>VAS</b> |     |                        |
| Mercury                                | 0.0416 | 0.0219          |      | mg/Kg-dry           | 1   | 10/18/2013 11:06:00 AM |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.43            |      | µg/Kg-dry           | 1   | 10/17/2013 12:38:00 PM |
| Benzo(a)pyrene                         | ND     | 9.43            |      | µg/Kg-dry           | 1   | 10/17/2013 12:38:00 PM |
| Benzo(b)fluoranthene                   | ND     | 9.43            |      | µg/Kg-dry           | 1   | 10/17/2013 12:38:00 PM |
| Benzo(k)fluoranthene                   | ND     | 9.43            |      | µg/Kg-dry           | 1   | 10/17/2013 12:38:00 PM |
| Chrysene                               | ND     | 9.43            |      | µg/Kg-dry           | 1   | 10/17/2013 12:38:00 PM |
| Dibenz(a,h)anthracene                  | ND     | 9.43            |      | µg/Kg-dry           | 1   | 10/17/2013 12:38:00 PM |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.43            |      | µg/Kg-dry           | 1   | 10/17/2013 12:38:00 PM |
| Surr: 2-Fluorobiphenyl                 | 51.6   | 42.6-128        |      | %REC                | 1   | 10/17/2013 12:38:00 PM |
| Surr: Nitrobenzene-d5                  | 51.6   | 21.7-155        |      | %REC                | 1   | 10/17/2013 12:38:00 PM |
| Surr: p-Terphenyl-d14                  | 62.9   | 44.9-155        |      | %REC                | 1   | 10/17/2013 12:38:00 PM |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.471           |      | µg/Kg-dry           | 1   | 10/17/2013 5:14:00 PM  |
| Aroclor 1221                           | ND     | 0.471           |      | µg/Kg-dry           | 1   | 10/17/2013 5:14:00 PM  |
| Aroclor 1232                           | ND     | 0.471           |      | µg/Kg-dry           | 1   | 10/17/2013 5:14:00 PM  |
| Aroclor 1242                           | ND     | 0.471           |      | µg/Kg-dry           | 1   | 10/17/2013 5:14:00 PM  |
| Aroclor 1248                           | ND     | 0.471           |      | µg/Kg-dry           | 1   | 10/17/2013 5:14:00 PM  |
| Aroclor 1254                           | ND     | 0.471           |      | µg/Kg-dry           | 1   | 10/17/2013 5:14:00 PM  |

# Specialty Analytical

Date Reported: 23-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/16/2013 1:00:00 PM

Project: Kelso / 0443.02.04

Lab ID: 1310157-001

Client Sample ID: CS6-S-1.25-W11

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.471           |      | µg/Kg-dry | 1  | 10/17/2013 5:14:00 PM |
| Aroclor 1262             | ND     | 0.471           |      | µg/Kg-dry | 1  | 10/17/2013 5:14:00 PM |
| Aroclor 1268             | ND     | 0.471           |      | µg/Kg-dry | 1  | 10/17/2013 5:14:00 PM |
| Surr: Decachlorobiphenyl | 60.1   | 56.5-130        |      | %REC      | 1  | 10/17/2013 5:14:00 PM |



# QC SUMMARY REPORT

WO#: 1310157  
23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151895</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 5080                  | 100                     | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5090                  | 10.0                    | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |
| Lead                  | 5020                  | 25.0                    | 5000                | 0                                | 100                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151897</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4900                  | 100                     | 5000                | 0                                | 98.0                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4960                  | 10.0                    | 5000                | 0                                | 99.2                 | 90       | 110       |             |      |          |      |
| Lead                  | 4790                  | 25.0                    | 5000                | 0                                | 95.9                 | 90       | 110       |             |      |          |      |

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6081</b> | SampType: <b>MBLK</b> | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151898</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 100                     |                     |                                  |                      |          |           |             |      |          |      |
| Cadmium                     | ND                    | 10.0                    |                     |                                  |                      |          |           |             |      |          |      |
| Lead                        | ND                    | 25.0                    |                     |                                  |                      |          |           |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 1 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6081</b> | SampType: <b>LCS</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151899</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 3860                  | 100                     | 5000                | 0                                | 77.1                 | 73.4     | 120       |             |      |          |      |
| Cadmium                    | 4200                  | 10.0                    | 5000                | 0                                | 83.9                 | 80       | 120       |             |      |          |      |
| Lead                       | 4530                  | 25.0                    | 5000                | 0                                | 90.7                 | 80       | 120       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310149-009BDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151902</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | 2420                  | 71.6                    |                         |                                  |                      |          |           | 2467        | 1.95 | 20       |      |
| Cadmium                           | 40.7                  | 7.16                    |                         |                                  |                      |          |           | 53.55       | 27.4 | 20       | RF   |
| Lead                              | 3700                  | 17.9                    |                         |                                  |                      |          |           | 4674        | 23.4 | 20       | R    |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310149-009BMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>          | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151903</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                          | 4890                  | 79.8                    | 3991                    | 2467                             | 60.8                 | 70       | 130       |             |      |          | S    |
| Cadmium                          | 3230                  | 7.98                    | 3991                    | 53.55                            | 79.5                 | 70       | 130       |             |      |          |      |
| Lead                             | 7790                  | 20.0                    | 3991                    | 4674                             | 78.1                 | 70       | 130       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 2 of 16  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310149-009BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151904</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | 4690                  | 75.5                    | 3775                    | 2467                             | 59.0                 | 70       | 130       | 4893        | 4.13 | 20       | S    |
| Cadmium                           | 3060                  | 7.55                    | 3775                    | 53.55                            | 79.7                 | 70       | 130       | 3225        | 5.16 | 20       |      |
| Lead                              | 7330                  | 18.9                    | 3775                    | 4674                             | 70.3                 | 70       | 130       | 7793        | 6.16 | 20       |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11967</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6081</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151905</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4720                  | 100                     | 5000                | 0                                | 94.5                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4990                  | 10.0                    | 5000                | 0                                | 99.8                 | 90       | 110       |             |      |          |      |
| Lead                  | 4980                  | 25.0                    | 5000                | 0                                | 99.7                 | 90       | 110       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 3 of 16 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                                 |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1016/1260 CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11976</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b>           | Batch ID: <b>6075</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151987</b> |          |           |             |      |          |      |
| Analyte                         | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260               | 69.7                  | 0.333                     | 66.67               | 0                                | 104                  | 85       | 115       |             |      |          |      |
| Aroclor 1260                    | 72.8                  | 0.333                     | 66.67               | 0                                | 109                  | 85       | 115       |             |      |          |      |

|                             |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6075</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11976</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6075</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151988</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1221                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1232                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1242                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1248                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1254                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1260                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1262                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1268                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl    | 6230                  |                           | 6667                |                                  | 93.5                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6075</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11976</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6075</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151989</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 53.9                  | 0.333                     | 66.67               | 0                                | 80.9                 | 44.3     | 137       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 4 of 16  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157  
23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                            |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6075</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11976</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6075</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151989</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                                  |                       |                           |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|---------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11976</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b> | Batch ID: <b>6075</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151991</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                       | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                | 64.3                  | 0.471                     | 94.29                   | 0                                | 68.2                 | 56.6     | 123       |             |      |          |      |

|                                   |                       |                           |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11976</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b>  | Batch ID: <b>6075</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>          | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151992</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                       | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                 | 72.0                  | 0.471                     | 94.29                   | 0                                | 76.4                 | 56.6     | 123       | 64.30       | 11.3 | 20       |      |

|                                 |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1016/1260 CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11976</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b>           | Batch ID: <b>6075</b> | TestNo: <b>SW 8082A</b>   | <b>SW3550C</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151994</b> |          |           |             |      |          |      |
| Analyte                         | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260               | 67.8                  | 0.333                     | 66.67               | 0                                | 102                  | 85       | 115       |             |      |          |      |
| Aroclor 1260                    | 72.5                  | 0.333                     | 66.67               | 0                                | 109                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 5 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157  
23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11964</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6085</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151824</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene               | 2.4                   | 0.0050                     | 2.500               | 0                                | 97.4                 | 85       | 115       |             |      |          | B    |
| Xylenes, Total        | 7.6                   | 0.30                       | 7.500               | 0                                | 101                  | 85       | 115       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6085</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11964</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6085</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151825</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | 1.1                   | 0.0050                     | 1.250               | 0                                | 88.2                 | 68.7     | 117       |             |      |          | B    |
| Xylenes, Total             | 3.1                   | 0.30                       | 3.750               | 0                                | 83.5                 | 70.1     | 116       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6085</b>  | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11964</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6085</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151826</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | 0.012                 | 0.0050                     |                     |                                  |                      |          |           |             |      |          |      |
| Xylenes, Total             | ND                    | 0.30                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 3.2                   |                            | 5.000               |                                  | 63.5                 | 42.6     | 126       |             |      |          |      |

|                                  |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11964</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b> | Batch ID: <b>6085</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151828</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 6 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

| Sample ID: <b>1310157-001CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11964</b>  |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CS6-S-1.25-W11</b> | Batch ID: <b>6085</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151828</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |        |      |      |     |  |  |  |  |
|----------------|-----|-------|-------|--------|------|------|-----|--|--|--|--|
| Benzene        | 4.1 | 0.016 | 4.066 | 0      | 101  | 32.2 | 108 |  |  |  |  |
| Xylenes, Total | 11  | 0.98  | 12.20 | 0.1219 | 90.7 | 47.5 | 119 |  |  |  |  |

| Sample ID: <b>1310157-001CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11964</b>  |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CS6-S-1.25-W11</b>  | Batch ID: <b>6085</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151829</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                |     |       |       |        |      |      |     |       |      |    |  |
|----------------|-----|-------|-------|--------|------|------|-----|-------|------|----|--|
| Benzene        | 4.0 | 0.016 | 4.066 | 0      | 98.5 | 32.2 | 108 | 4.097 | 2.25 | 20 |  |
| Xylenes, Total | 11  | 0.98  | 12.20 | 0.1219 | 87.3 | 47.5 | 119 | 11.19 | 3.76 | 20 |  |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                           |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6089</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/18/2013</b>     | RunNo: <b>11984</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6089</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/18/2013</b> | SeqNo: <b>152125</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                   | ND                    | 0.0167                  |                     |                                  |                      |          |           |             |      |          |      |

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6089</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/18/2013</b>     | RunNo: <b>11984</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6089</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/18/2013</b> | SeqNo: <b>152126</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                    | 0.428                 | 0.0167                  | 0.4000              | 0                                | 107                  | 80       | 120       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/18/2013</b>     | RunNo: <b>11984</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b>  | Batch ID: <b>6089</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/18/2013</b> | SeqNo: <b>152128</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.0482                | 0.0219                  |                         |                                  |                      |          |           | 0.04159     | 14.8 | 20       |      |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/18/2013</b>     | RunNo: <b>11984</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b> | Batch ID: <b>6089</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/18/2013</b> | SeqNo: <b>152129</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 0.548                 | 0.0219                  | 0.5238                  | 0.04159                          | 96.6                 | 75       | 125       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 8 of 16  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/18/2013</b>     | RunNo: <b>11984</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b>  | Batch ID: <b>6089</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/18/2013</b> | SeqNo: <b>152130</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.613                 | 0.0236                  | 0.5657                  | 0.04159                          | 101                  | 75       | 125       | 0.5476      | 11.3 | 20       |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11984</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6089</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/18/2013</b> | SeqNo: <b>152133</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.440                 | 0.0167                  | 0.4000              | 0                                | 110                  | 90       | 110       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 9 of 16 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11983</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6073</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>152113</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |      |    |     |
|----------|-----|------|-------|---|------|----|-----|
| Diesel   | 552 | 15.0 | 499.5 | 0 | 111  | 85 | 115 |
| Lube Oil | 456 | 50.0 | 499.5 | 0 | 91.3 | 85 | 115 |

|                             |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6073</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11983</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6073</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>152114</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                   |      |      |       |  |      |    |     |
|-------------------|------|------|-------|--|------|----|-----|
| Diesel            | ND   | 15.0 |       |  |      |    |     |
| Lube Oil          | ND   | 50.0 |       |  |      |    |     |
| Surr: o-Terphenyl | 30.0 |      | 33.30 |  | 90.2 | 50 | 150 |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6073</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11983</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6073</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>      | Analysis Date: <b>10/18/2013</b> | SeqNo: <b>152115</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|          |     |      |       |   |      |      |     |
|----------|-----|------|-------|---|------|------|-----|
| Diesel   | 219 | 15.0 | 200.0 | 0 | 110  | 76.3 | 135 |
| Lube Oil | 168 | 50.0 | 200.0 | 0 | 84.1 | 69.9 | 137 |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11983</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b>  | Batch ID: <b>6073</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3550C</b>          | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>152117</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank | H Holding times for preparation or analysis exceeded | ND Not Detected at the Reporting Limit | Page 10 of 16 |
|                    | O RSD is greater than RSDlimit                    | R RPD outside accepted recovery limits               | S Spike Recovery outside accepted reco |               |

# QC SUMMARY REPORT

WO#: 1310157  
23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

| Sample ID: <b>1310157-001ADUP</b> |        | SampType: <b>DUP</b>  |           | TestCode: <b>NWTPHDX_S</b>      |      | Units: <b>mg/Kg-dry</b>          |           | Prep Date: <b>10/16/2013</b> |      | RunNo: <b>11983</b> |      |
|-----------------------------------|--------|-----------------------|-----------|---------------------------------|------|----------------------------------|-----------|------------------------------|------|---------------------|------|
| Client ID: <b>CS6-S-1.25-W11</b>  |        | Batch ID: <b>6073</b> |           | TestNo: <b>NWTPH-Dx SW3550C</b> |      | Analysis Date: <b>10/17/2013</b> |           | SeqNo: <b>152117</b>         |      |                     |      |
| Analyte                           | Result | PQL                   | SPK value | SPK Ref Val                     | %REC | LowLimit                         | HighLimit | RPD Ref Val                  | %RPD | RPDLimit            | Qual |
| Diesel                            | ND     | 21.2                  |           |                                 |      |                                  |           | 0                            | 0    | 20                  |      |
| Lube Oil                          | ND     | 70.7                  |           |                                 |      |                                  |           | 0                            | 0    | 20                  |      |

| Sample ID: <b>CCV</b> |        | SampType: <b>CCV</b>  |           | TestCode: <b>NWTPHDX_S</b>      |      | Units: <b>mg/Kg</b>              |           | Prep Date:           |      | RunNo: <b>11983</b> |      |
|-----------------------|--------|-----------------------|-----------|---------------------------------|------|----------------------------------|-----------|----------------------|------|---------------------|------|
| Client ID: <b>CCV</b> |        | Batch ID: <b>6073</b> |           | TestNo: <b>NWTPH-Dx SW3550C</b> |      | Analysis Date: <b>10/17/2013</b> |           | SeqNo: <b>152118</b> |      |                     |      |
| Analyte               | Result | PQL                   | SPK value | SPK Ref Val                     | %REC | LowLimit                         | HighLimit | RPD Ref Val          | %RPD | RPDLimit            | Qual |
| Diesel                | 1410   | 15.0                  | 1352      | 0                               | 104  | 85                               | 115       |                      |      |                     |      |
| Lube Oil              | 602    | 50.0                  | 696.9     | 0                               | 86.4 | 85                               | 115       |                      |      |                     |      |

| Sample ID: <b>CCV</b> |        | SampType: <b>CCV</b>  |           | TestCode: <b>NWTPHDX_S</b>      |      | Units: <b>mg/Kg</b>              |           | Prep Date:           |      | RunNo: <b>11983</b> |      |
|-----------------------|--------|-----------------------|-----------|---------------------------------|------|----------------------------------|-----------|----------------------|------|---------------------|------|
| Client ID: <b>CCV</b> |        | Batch ID: <b>6073</b> |           | TestNo: <b>NWTPH-Dx SW3550C</b> |      | Analysis Date: <b>10/17/2013</b> |           | SeqNo: <b>152136</b> |      |                     |      |
| Analyte               | Result | PQL                   | SPK value | SPK Ref Val                     | %REC | LowLimit                         | HighLimit | RPD Ref Val          | %RPD | RPDLimit            | Qual |
| Diesel                | 3080   | 15.0                  | 3000      | 0                               | 103  | 85                               | 115       |                      |      |                     |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 11 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157  
23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>11965</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6086</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151830</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 144                   | 2.50                       | 150.0               | 0                                | 96.1                 | 80       | 120       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6086</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11965</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6086</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151831</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | 52.5                  | 2.50                       | 50.00               | 0                                | 105                  | 53.5     | 121       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6086</b>  | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11965</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6086</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151832</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND                    | 2.50                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 3.05                  |                            | 5.000               |                                  | 60.9                 | 50       | 150       |             |      |          |      |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/17/2013</b>     | RunNo: <b>11965</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b>  | Batch ID: <b>6086</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151834</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 8.13                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 12 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b>      | Units: <b>mg/Kg</b>              | Prep Date:           | RunNo: <b>11965</b> |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|----------------------------------|----------------------|---------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>6086</b> | TestNo: <b>NWTPH-Gx SW5035A</b> | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151835</b> |                     |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value                        | SPK Ref Val          | %REC                | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 112                   | 2.50                            | 125.0                            | 0                    | 89.8                | 80       | 120       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-6074</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>11963</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>6074</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151818</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 139                   | 6.67                     | 133.3               | 0                                | 104                  | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 126                   | 6.67                     | 133.3               | 0                                | 94.5                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 131                   | 6.67                     | 133.3               | 0                                | 98.0                 | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 135                   | 6.67                     | 133.3               | 0                                | 101                  | 80       | 120       |             |      |          |      |
| Chrysene                   | 145                   | 6.67                     | 133.3               | 0                                | 109                  | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 145                   | 6.67                     | 133.3               | 0                                | 109                  | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 137                   | 6.67                     | 133.3               | 0                                | 103                  | 80       | 120       |             |      |          |      |

| Sample ID: <b>LCS-6074</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11963</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>LCSS</b>     | Batch ID: <b>6074</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151819</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene             | 149                   | 6.67                     | 333.4               | 0                                | 44.8                 | 37.7     | 137       |             |      |          |      |

| Sample ID: <b>MB-6074</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11963</b>  |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>     | Batch ID: <b>6074</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151820</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 14 of 16  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

|                           |                       |                          |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6074</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11963</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6074</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>     | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151820</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 3680                  |                          | 6667                |                                  | 55.2                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 3830                  |                          | 6667                |                                  | 57.4                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 4460                  |                          | 6667                |                                  | 66.9                 | 44.9     | 155       |             |      |          |      |

|                                  |                       |                          |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11963</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b> | Batch ID: <b>6074</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>         | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151822</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                   | 259                   | 9.43                     | 471.4                   | 2.828                            | 54.4                 | 64.6     | 110       |             |      |          | SMI  |

|                                   |                       |                          |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310157-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/16/2013</b>     | RunNo: <b>11963</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W11</b>  | Batch ID: <b>6074</b> | TestNo: <b>SW8270D</b>   | <b>SW 3550C</b>         | Analysis Date: <b>10/17/2013</b> | SeqNo: <b>151823</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                    | 259                   | 9.43                     | 471.4                   | 2.828                            | 54.4                 | 64.6     | 110       | 259.3       | 0    | 20       | SMI  |

|                            |                         |                          |                    |                                  |                      |          |           |             |      |          |      |
|----------------------------|-------------------------|--------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCB-6074</b> | SampType: <b>CCB</b>    | TestCode: <b>PAHLL_S</b> | Units: <b>%REC</b> | Prep Date:                       | RunNo: <b>11963</b>  |          |           |             |      |          |      |
| Client ID: <b>CCB</b>      | Batch ID: <b>R11963</b> | TestNo: <b>SW8270D</b>   |                    | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152538</b> |          |           |             |      |          |      |
| Analyte                    | Result                  | PQL                      | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 15 of 16  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310157

23-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>CCB-6074</b> | SampType: <b>CCB</b>    | TestCode: <b>PAHLL_S</b> | Units: <b>%REC</b> | Prep Date:                       | RunNo: <b>11963</b>  |          |           |             |      |          |      |
|----------------------------|-------------------------|--------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCB</b>      | Batch ID: <b>R11963</b> | TestNo: <b>SW8270D</b>   |                    | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152538</b> |          |           |             |      |          |      |
| Analyte                    | Result                  | PQL                      | SPK value          | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Surr: 2-Fluorobiphenyl     | 3620                    |                          | 6667               |                                  | 54.2                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5      | 3900                    |                          | 6667               |                                  | 58.5                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14      | 4470                    |                          | 6667               |                                  | 67.0                 | 44.9     | 155       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco



## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.





# Specialty Analytical

11711 SE Capps Road, Ste B  
Clackamas, Oregon 97015  
TEL: 503-607-1331 FAX: 503-607-1336  
Website: [www.specialtyanalytical.com](http://www.specialtyanalytical.com)

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October 24, 2013

Mike Stringer  
Maul Foster & Alongi  
400 E. Mill Plain Blvd.  
Suite 400  
Vancouver, WA 98660  
TEL: (360) 694-2691  
FAX (360) 906-1958  
RE: Kelso / 0443.02.04

Dear Mike Stringer:

Order No.: 1310175

Specialty Analytical received 2 sample(s) on 10/21/2013 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is fluid and cursive, with the first name being more prominent.

Marty French  
Lab Director

# Specialty Analytical

Date Reported: 24-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310175-001  
**Client Sample ID:** CS6-S-1.25-W12

**Collection Date:** 10/21/2013 11:20:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>CS</b>  |     |                        |
| Diesel                                 | ND     | 21.1            |      | mg/Kg-dry           | 1   | 10/23/2013 9:25:25 PM  |
| Lube Oil                               | ND     | 70.4            |      | mg/Kg-dry           | 1   | 10/23/2013 9:25:25 PM  |
| Surr: o-Terphenyl                      | 71.9   | 50-150          |      | %REC                | 1   | 10/23/2013 9:25:25 PM  |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | ND     | 0.021           |      | mg/Kg-dry           | 1   | 10/21/2013 5:34:00 PM  |
| Xylenes, Total                         | ND     | 1.2             |      | mg/Kg-dry           | 1   | 10/21/2013 5:34:00 PM  |
| Surr: 4-Bromofluorobenzene             | 71.5   | 42.6-126        |      | %REC                | 1   | 10/21/2013 5:34:00 PM  |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 10.3            |      | mg/Kg-dry           | 1   | 10/21/2013 5:35:00 PM  |
| Surr: 4-Bromofluorobenzene             | 76.8   | 50-150          |      | %REC                | 1   | 10/21/2013 5:35:00 PM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 13500           |      | µg/Kg-dry           | 100 | 10/23/2013 2:08:00 PM  |
| Cadmium                                | ND     | 1350            |      | µg/Kg-dry           | 100 | 10/23/2013 2:08:00 PM  |
| Lead                                   | 336000 | 3380            |      | µg/Kg-dry           | 100 | 10/23/2013 2:08:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>VAS</b> |     |                        |
| Mercury                                | 0.440  | 0.0217          |      | mg/Kg-dry           | 1   | 10/24/2013 1:06:00 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.38            |      | µg/Kg-dry           | 1   | 10/22/2013 12:00:00 PM |
| Benzo(a)pyrene                         | ND     | 9.38            |      | µg/Kg-dry           | 1   | 10/22/2013 12:00:00 PM |
| Benzo(b)fluoranthene                   | ND     | 9.38            |      | µg/Kg-dry           | 1   | 10/22/2013 12:00:00 PM |
| Benzo(k)fluoranthene                   | ND     | 9.38            |      | µg/Kg-dry           | 1   | 10/22/2013 12:00:00 PM |
| Chrysene                               | ND     | 9.38            |      | µg/Kg-dry           | 1   | 10/22/2013 12:00:00 PM |
| Dibenz(a,h)anthracene                  | ND     | 9.38            |      | µg/Kg-dry           | 1   | 10/22/2013 12:00:00 PM |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.38            |      | µg/Kg-dry           | 1   | 10/22/2013 12:00:00 PM |
| Surr: 2-Fluorobiphenyl                 | 37.2   | 42.6-128        | SMI  | %REC                | 1   | 10/22/2013 12:00:00 PM |
| Surr: Nitrobenzene-d5                  | 40.3   | 21.7-155        |      | %REC                | 1   | 10/22/2013 12:00:00 PM |
| Surr: p-Terphenyl-d14                  | 61.8   | 44.9-155        |      | %REC                | 1   | 10/22/2013 12:00:00 PM |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.468           |      | µg/Kg-dry           | 1   | 10/22/2013 2:45:00 PM  |
| Aroclor 1221                           | ND     | 0.468           |      | µg/Kg-dry           | 1   | 10/22/2013 2:45:00 PM  |
| Aroclor 1232                           | ND     | 0.468           |      | µg/Kg-dry           | 1   | 10/22/2013 2:45:00 PM  |
| Aroclor 1242                           | ND     | 0.468           |      | µg/Kg-dry           | 1   | 10/22/2013 2:45:00 PM  |
| Aroclor 1248                           | ND     | 0.468           |      | µg/Kg-dry           | 1   | 10/22/2013 2:45:00 PM  |
| Aroclor 1254                           | ND     | 0.468           |      | µg/Kg-dry           | 1   | 10/22/2013 2:45:00 PM  |

# Specialty Analytical

Date Reported: 24-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310175-001  
**Client Sample ID:** CS6-S-1.25-W12

**Collection Date:** 10/21/2013 11:20:00 AM

**Matrix:** SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | ND     | 0.468           |      | µg/Kg-dry | 1  | 10/22/2013 2:45:00 PM |
| Aroclor 1262             | ND     | 0.468           |      | µg/Kg-dry | 1  | 10/22/2013 2:45:00 PM |
| Aroclor 1268             | ND     | 0.468           |      | µg/Kg-dry | 1  | 10/22/2013 2:45:00 PM |
| Surr: Decachlorobiphenyl | 96.0   | 56.5-130        |      | %REC      | 1  | 10/22/2013 2:45:00 PM |

# Specialty Analytical

Date Reported: 24-Oct-13

**CLIENT:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04  
**Lab ID:** 1310175-002  
**Client Sample ID:** CS6-S-1.25-W13

**Collection Date:** 10/21/2013 11:30:00 AM

**Matrix:** SOIL

| Analyses                               | Result | RL              | Qual | Units               | DF  | Date Analyzed          |
|--|--------|-----------------|------|---------------------|-----|------------------------|
| <b>NWTPH-DX</b>                        |        | <b>NWTPH-DX</b> |      | Analyst: <b>CS</b>  |     |                        |
| Diesel                                 | ND     | 20.8            |      | mg/Kg-dry           | 1   | 10/24/2013 12:35:39 PM |
| Lube Oil                               | 81.1   | 69.2            |      | mg/Kg-dry           | 1   | 10/24/2013 12:35:39 PM |
| Surr: o-Terphenyl                      | 56.2   | 50-150          |      | %REC                | 1   | 10/24/2013 12:35:39 PM |
| <b>BTEX BY 8021/5035</b>               |        | <b>SW8021B</b>  |      | Analyst: <b>JRC</b> |     |                        |
| Benzene                                | ND     | 0.014           |      | mg/Kg-dry           | 1   | 10/21/2013 6:00:00 PM  |
| Xylenes, Total                         | ND     | 0.81            |      | mg/Kg-dry           | 1   | 10/21/2013 6:00:00 PM  |
| Surr: 4-Bromofluorobenzene             | 51.4   | 42.6-126        |      | %REC                | 1   | 10/21/2013 6:00:00 PM  |
| <b>NWTPH-GX</b>                        |        | <b>NWTPH-GX</b> |      | Analyst: <b>JRC</b> |     |                        |
| Gasoline                               | ND     | 6.79            |      | mg/Kg-dry           | 1   | 10/21/2013 6:00:00 PM  |
| Surr: 4-Bromofluorobenzene             | 57.4   | 50-150          |      | %REC                | 1   | 10/21/2013 6:00:00 PM  |
| <b>ICP/MS METALS-TOTAL RECOVERABLE</b> |        | <b>SW6020A</b>  |      | Analyst: <b>ZL</b>  |     |                        |
| Arsenic                                | ND     | 13800           |      | µg/Kg-dry           | 100 | 10/23/2013 2:15:00 PM  |
| Cadmium                                | ND     | 1380            |      | µg/Kg-dry           | 100 | 10/23/2013 2:15:00 PM  |
| Lead                                   | 328000 | 3460            |      | µg/Kg-dry           | 100 | 10/23/2013 2:15:00 PM  |
| <b>TOTAL MERCURY</b>                   |        | <b>SW 7471B</b> |      | Analyst: <b>VAS</b> |     |                        |
| Mercury                                | 0.458  | 0.0222          |      | mg/Kg-dry           | 1   | 10/24/2013 1:18:00 PM  |
| <b>PAH'S BY GC/MS - LOW LEVEL</b>      |        | <b>SW8270D</b>  |      | Analyst: <b>bda</b> |     |                        |
| Benz(a)anthracene                      | ND     | 9.24            |      | µg/Kg-dry           | 1   | 10/22/2013 12:29:00 PM |
| Benzo(a)pyrene                         | ND     | 9.24            |      | µg/Kg-dry           | 1   | 10/22/2013 12:29:00 PM |
| Benzo(b)fluoranthene                   | 16.6   | 9.24            |      | µg/Kg-dry           | 1   | 10/22/2013 12:29:00 PM |
| Benzo(k)fluoranthene                   | ND     | 9.24            |      | µg/Kg-dry           | 1   | 10/22/2013 12:29:00 PM |
| Chrysene                               | 17.5   | 9.24            |      | µg/Kg-dry           | 1   | 10/22/2013 12:29:00 PM |
| Dibenz(a,h)anthracene                  | ND     | 9.24            |      | µg/Kg-dry           | 1   | 10/22/2013 12:29:00 PM |
| Indeno(1,2,3-cd)pyrene                 | ND     | 9.24            |      | µg/Kg-dry           | 1   | 10/22/2013 12:29:00 PM |
| Surr: 2-Fluorobiphenyl                 | 37.3   | 42.6-128        | SMI  | %REC                | 1   | 10/22/2013 12:29:00 PM |
| Surr: Nitrobenzene-d5                  | 35.9   | 21.7-155        |      | %REC                | 1   | 10/22/2013 12:29:00 PM |
| Surr: p-Terphenyl-d14                  | 53.8   | 44.9-155        |      | %REC                | 1   | 10/22/2013 12:29:00 PM |
| <b>PCB'S IN SOLIDS</b>                 |        | <b>SW 8082A</b> |      | Analyst: <b>ajr</b> |     |                        |
| Aroclor 1016                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/22/2013 3:02:00 PM  |
| Aroclor 1221                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/22/2013 3:02:00 PM  |
| Aroclor 1232                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/22/2013 3:02:00 PM  |
| Aroclor 1242                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/22/2013 3:02:00 PM  |
| Aroclor 1248                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/22/2013 3:02:00 PM  |
| Aroclor 1254                           | ND     | 0.461           |      | µg/Kg-dry           | 1   | 10/22/2013 3:02:00 PM  |

# Specialty Analytical

Date Reported: 24-Oct-13

CLIENT: Maul Foster & Alongi

Collection Date: 10/21/2013 11:30:00 AM

Project: Kelso / 0443.02.04

Lab ID: 1310175-002

Client Sample ID: CS6-S-1.25-W13

Matrix: SOIL

| Analyses                 | Result | RL              | Qual | Units     | DF | Date Analyzed         |
|--------------------------|--------|-----------------|------|-----------|----|-----------------------|
| <b>PCB'S IN SOLIDS</b>   |        | <b>SW 8082A</b> |      |           |    | Analyst: <b>ajr</b>   |
| Aroclor 1260             | 16.8   | 0.461           |      | µg/Kg-dry | 1  | 10/22/2013 3:02:00 PM |
| Aroclor 1262             | ND     | 0.461           |      | µg/Kg-dry | 1  | 10/22/2013 3:02:00 PM |
| Aroclor 1268             | ND     | 0.461           |      | µg/Kg-dry | 1  | 10/22/2013 3:02:00 PM |
| Surr: Decachlorobiphenyl | 139    | 56.5-130        | SMI  | %REC      | 1  | 10/22/2013 3:02:00 PM |

# QC SUMMARY REPORT

WO#: 1310175

24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>ICV</b> | SampType: <b>ICV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>ICV</b> | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153163</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 5100                  | 100                     | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |
| Cadmium               | 5040                  | 10.0                    | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |
| Lead                  | 5080                  | 25.0                    | 5000                | 0                                | 102                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153164</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4890                  | 100                     | 5000                | 0                                | 97.8                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4960                  | 10.0                    | 5000                | 0                                | 99.2                 | 90       | 110       |             |      |          |      |
| Lead                  | 4940                  | 25.0                    | 5000                | 0                                | 98.7                 | 90       | 110       |             |      |          |      |

|                             |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6101</b> | SampType: <b>MBLK</b> | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153165</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                     | ND                    | 100                     |                     |                                  |                      |          |           |             |      |          |      |
| Cadmium                     | ND                    | 10.0                    |                     |                                  |                      |          |           |             |      |          |      |
| Lead                        | ND                    | 25.0                    |                     |                                  |                      |          |           |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6101</b> | SampType: <b>LCS</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153166</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                    | 4460                  | 100                     | 5000                | 0                                | 89.2                 | 73.4     | 120       |             |      |          |      |
| Cadmium                    | 4890                  | 10.0                    | 5000                | 0                                | 97.8                 | 80       | 120       |             |      |          |      |
| Lead                       | 5310                  | 25.0                    | 5000                | 0                                | 106                  | 80       | 120       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153167</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4880                  | 100                     | 5000                | 0                                | 97.6                 | 90       | 110       |             |      |          |      |
| Cadmium               | 4820                  | 10.0                    | 5000                | 0                                | 96.5                 | 90       | 110       |             |      |          |      |
| Lead                  | 4710                  | 25.0                    | 5000                | 0                                | 94.2                 | 90       | 110       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310166-001BDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153169</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | ND                    | 12100                   |                         |                                  |                      |          |           | 0           | 0    | 20       |      |
| Cadmium                           | ND                    | 1210                    |                         |                                  |                      |          |           | 0           | 0    | 20       |      |
| Lead                              | 32400                 | 3020                    |                         |                                  |                      |          |           | 30240       | 7.05 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** 6020\_S

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310166-001BMS</b> | SampType: <b>MS</b>   | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>         | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153170</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                          | ND                    | 12600                   | 6277                    | 4206                             | 85.1                 | 70       | 130       |             |      |          |      |
| Cadmium                          | 6380                  | 1260                    | 6277                    | 0                                | 102                  | 70       | 130       |             |      |          |      |
| Lead                             | 33200                 | 3140                    | 6277                    | 30240                            | 47.7                 | 70       | 130       |             |      |          | SMC  |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310166-001BMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZZ</b>          | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>          | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153171</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic                           | ND                    | 11600                   | 5812                    | 4206                             | 84.3                 | 70       | 130       | 0           | 0    | 20       |      |
| Cadmium                           | 5480                  | 1160                    | 5812                    | 0                                | 94.3                 | 70       | 130       | 6383        | 15.2 | 20       |      |
| Lead                              | 47400                 | 2910                    | 5812                    | 30240                            | 296                  | 70       | 130       | 33230       | 35.2 | 20       | SRMC |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>6020_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12047</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6101</b> | TestNo: <b>SW6020A</b>  | <b>SW3050B</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153177</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic               | 4920                  | 100                     | 5000                | 0                                | 98.5                 | 90       | 110       |             |      |          |      |
| Cadmium               | 5040                  | 10.0                    | 5000                | 0                                | 101                  | 90       | 110       |             |      |          |      |
| Lead                  | 4800                  | 25.0                    | 5000                | 0                                | 96.0                 | 90       | 110       |             |      |          |      |

|                    |   |  |  |              |
|--------------------|---|--|--|--------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 3 of 16 |
|--------------------|---|--|--|--------------|

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                                 |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1016/1260 CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12031</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b>           | Batch ID: <b>6108</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152931</b> |          |           |             |      |          |      |
| Analyte                         | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260               | 68.3                  | 0.333                     | 66.67               | 0                                | 102                  | 85       | 115       |             |      |          |      |
| Aroclor 1260                    | 66.0                  | 0.333                     | 66.67               | 0                                | 99.0                 | 85       | 115       |             |      |          |      |

|                             |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MBLK-6108</b> | SampType: <b>MBLK</b> | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12031</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>       | Batch ID: <b>6108</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152932</b> |          |           |             |      |          |      |
| Analyte                     | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1221                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1232                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1242                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1248                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1254                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1260                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1262                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Aroclor 1268                | ND                    | 0.333                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: Decachlorobiphenyl    | 5040                  |                           | 6667                |                                  | 75.7                 | 56.5     | 130       |             |      |          |      |

|                            |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6108</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12031</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6108</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152933</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260          | 60.6                  | 0.333                     | 66.67               | 0                                | 90.9                 | 44.3     | 137       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** 8082LL\_S

|                            |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6108</b> | SampType: <b>LCS</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12031</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6108</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152933</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

|                                  |                       |                           |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|---------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-002AMS</b> | SampType: <b>MS</b>   | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12031</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W13</b> | Batch ID: <b>6108</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>      | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152936</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                       | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                | 62.3                  | 0.461                     | 92.32                   | 0                                | 67.5                 | 56.6     | 123       |             |      |          |      |

|                                   |                       |                           |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-002AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12031</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W13</b>  | Batch ID: <b>6108</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>      | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152937</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                       | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260                 | 72.4                  | 0.461                     | 92.32                   | 0                                | 78.4                 | 56.6     | 123       | 62.31       | 14.9 | 20       |      |

|                                 |                       |                           |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------------|-----------------------|---------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1016/1260 CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>8082LL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12031</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b>           | Batch ID: <b>6108</b> | TestNo: <b>SW 8082A</b>   | <b>3545_8082LL</b>  | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153114</b> |          |           |             |      |          |      |
| Analyte                         | Result                | PQL                       | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Aroclor 1016/1260               | 0.962                 | 0.333                     | 1.000               | 0                                | 96.2                 | 85       | 115       |             |      |          |      |
| Aroclor 1260                    | 1.07                  | 0.333                     | 1.000               | 0                                | 107                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 5 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12012</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6104</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152672</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene               | 2.5                   | 0.0050                     | 2.500               | 0                                | 98.4                 | 85       | 115       |             |      |          | B    |
| Xylenes, Total        | 7.7                   | 0.30                       | 7.500               | 0                                | 102                  | 85       | 115       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6104</b> | SampType: <b>LCS</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12012</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6104</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152673</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | 1.1                   | 0.0050                     | 1.250               | 0                                | 91.2                 | 68.7     | 117       |             |      |          | B    |
| Xylenes, Total             | 3.2                   | 0.30                       | 3.750               | 0                                | 84.7                 | 70.1     | 116       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6104</b>  | SampType: <b>MBLK</b> | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12012</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6104</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>         | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152674</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                    | 0.012                 | 0.0050                     |                     |                                  |                      |          |           |             |      |          |      |
| Xylenes, Total             | ND                    | 0.30                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 3.3                   |                            | 5.000               |                                  | 65.3                 | 42.6     | 126       |             |      |          |      |

|                                  |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-002CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12012</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W13</b> | Batch ID: <b>6104</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152677</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** BTEXRBC\_SA

|                                  |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-002CMS</b> | SampType: <b>MS</b>   | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12012</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W13</b> | Batch ID: <b>6104</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152677</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                          | 3.0                   | 0.014                      | 3.393                   | 0                                | 87.8                 | 32.2     | 108       |             |      |          |      |
| Xylenes, Total                   | 9.5                   | 0.81                       | 10.18                   | 0                                | 93.1                 | 47.5     | 119       |             |      |          |      |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-002CMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>BTEXRBC_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12012</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W13</b>  | Batch ID: <b>6104</b> | TestNo: <b>SW8021B</b>     | <b>5035</b>             | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152678</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene                           | 3.3                   | 0.014                      | 3.393                   | 0                                | 96.3                 | 32.2     | 108       | 2.979       | 9.21 | 20       |      |
| Xylenes, Total                    | 11                    | 0.81                       | 10.18                   | 0                                | 104                  | 47.5     | 119       | 9.480       | 10.6 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                            |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6124</b> | SampType: <b>LCS</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12026</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6124</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153270</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                    | 0.370                 | 0.0167                  | 0.4000              | 0                                | 92.5                 | 80       | 120       |             |      |          |      |

|                           |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6124</b> | SampType: <b>MBLK</b> | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12026</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6124</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153271</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                   | ND                    | 0.0167                  |                     |                                  |                      |          |           |             |      |          |      |

|                                  |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12026</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W12</b> | Batch ID: <b>6124</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153272</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                          | 2.90                  | 0.117                   | 2.812                   | 0.4404                           | 87.3                 | 75       | 125       |             |      |          |      |

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12026</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W12</b>  | Batch ID: <b>6124</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153273</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 3.38                  | 0.113                   | 2.704                   | 0.4404                           | 109                  | 75       | 125       | 2.896       | 15.4 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** HG\_CTS

|                                   |                       |                         |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|-------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12026</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W12</b>  | Batch ID: <b>6124</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>         | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153275</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                     | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury                           | 0.314                 | 0.0226                  |                         |                                  |                      |          |           | 0.4404      | 33.5 | 20       | R    |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12026</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6124</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153277</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.404                 | 0.0167                  | 0.4000              | 0                                | 101                  | 90       | 110       |             |      |          |      |

|                       |                       |                         |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|-------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>HG_CTS</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12026</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6124</b> | TestNo: <b>SW 7471B</b> | <b>SW 7471B</b>     | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153514</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                     | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury               | 0.433                 | 0.0167                  | 0.4000              | 0                                | 108                  | 90       | 110       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 9 of 16  
 O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco



# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153392</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1050                  | 15.0                       | 1014                | 0                                | 103                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 489                   | 50.0                       | 522.7               | 0                                | 93.5                 | 85       | 115       |             |      |          |      |

|                           |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6131</b> | SampType: <b>MBLK</b> | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>     | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153394</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                    | ND                    | 15.0                       |                     |                                  |                      |          |           |             |      |          |      |
| Lube Oil                  | ND                    | 50.1                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: o-Terphenyl         | 23.5                  |                            | 33.30               |                                  | 70.7                 | 50       | 150       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6131</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/23/2013</b> | SeqNo: <b>153394</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                     | 193                   | 15.0                       | 166.5               | 0                                | 116                  | 76.3     | 125       |             |      |          |      |
| Lube Oil                   | 158                   | 50.1                       | 166.5               | 0                                | 94.6                 | 69.9     | 127       |             |      |          |      |

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx</b>    | <b>SW3545A</b>      | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153503</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

|                       |                       |                                 |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                     | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153503</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1100                  | 15.0                            | 1014                | 0                                | 109                  | 85       | 115       |             |      |          |      |
| Lube Oil              | 476                   | 50.0                            | 522.7               | 0                                | 91.1                 | 85       | 115       |             |      |          |      |

|                                   |                       |                                 |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310171-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>           | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                         | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153505</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                             | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                            | 5810                  | 196                             |                         |                                  |                      |          |           | 10570       | 58.2 | 20       | RA1  |
| Lube Oil                          | 9970                  | 652                             |                         |                                  |                      |          |           | 13230       | 28.1 | 20       | RM   |

|                                   |                       |                                 |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|---------------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-001ADUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/23/2013</b>     | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W12</b>  | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                         | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153506</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                             | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                            | ND                    | 21.1                            |                         |                                  |                      |          |           | 0           | 0    | 20       |      |
| Lube Oil                          | ND                    | 70.3                            |                         |                                  |                      |          |           | 0           | 0    | 20       |      |

|                       |                       |                                 |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12057</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                     | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153508</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel                | 1360                  | 15.0                            | 1352                | 0                                | 100                  | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 11 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175

24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHDX\_S

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHDX_S</b>      | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12057</b>  |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>6131</b> | TestNo: <b>NWTPH-Dx SW3545A</b> |                     | Analysis Date: <b>10/24/2013</b> | SeqNo: <b>153508</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lube Oil              | 633                   | 50.0                            | 696.9               | 0                                | 90.8                 | 85       | 115       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

|                       |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|-----------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12013</b>  |          |           |             |      |          |      |
| Client ID: <b>CCV</b> | Batch ID: <b>6105</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152679</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 85.1                  | 2.50                       | 100.0               | 0                                | 85.1                 | 80       | 120       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6105</b> | SampType: <b>LCS</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12013</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6105</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152680</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | 56.9                  | 2.50                       | 50.00               | 0                                | 114                  | 53.5     | 121       |             |      |          |      |

|                            |                       |                            |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|----------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-6105</b>  | SampType: <b>MBLK</b> | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12013</b>  |          |           |             |      |          |      |
| Client ID: <b>PBS</b>      | Batch ID: <b>6105</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>      | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152681</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                        | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                   | ND                    | 2.50                       |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 4-Bromofluorobenzene | 2.98                  |                            | 5.000               |                                  | 59.6                 | 50       | 150       |             |      |          |      |

|                                   |                       |                            |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|----------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-002CDUP</b> | SampType: <b>DUP</b>  | TestCode: <b>NWTPHGX_S</b> | Units: <b>mg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12013</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W13</b>  | Batch ID: <b>6105</b> | TestNo: <b>NWTPH-Gx</b>    | <b>SW5035A</b>          | Analysis Date: <b>10/21/2013</b> | SeqNo: <b>152684</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                        | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline                          | ND                    | 6.79                       |                         |                                  |                      |          |           | 0           | 0    | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank      H Holding times for preparation or analysis exceeded      ND Not Detected at the Reporting Limit      Page 13 of 16  
O RSD is greater than RSDlimit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175

24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi

**Project:** Kelso / 0443.02.04

**TestCode:** NWTPHGX\_SA

| Sample ID: <b>CCV</b> | SampType: <b>CCV</b>  | TestCode: <b>NWTPHGX_S</b>      | Units: <b>mg/Kg</b> | Prep Date:                       | RunNo: <b>12013</b>  |          |           |             |      |          |      |
|-----------------------|-----------------------|---------------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b> | Batch ID: <b>6105</b> | TestNo: <b>NWTPH-Gx SW5035A</b> |                     | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152685</b> |          |           |             |      |          |      |
| Analyte               | Result                | PQL                             | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline              | 136                   | 2.50                            | 150.0               | 0                                | 90.7                 | 80       | 120       |             |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit  
S Spike Recovery outside accepted reco

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

| Sample ID: <b>CCV-6107</b> | SampType: <b>CCV</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date:                       | RunNo: <b>12027</b>  |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>CCV</b>      | Batch ID: <b>6107</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152888</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene          | 130                   | 6.67                     | 133.3               | 0                                | 97.5                 | 80       | 120       |             |      |          |      |
| Benzo(a)pyrene             | 127                   | 6.67                     | 133.3               | 0                                | 95.5                 | 80       | 120       |             |      |          |      |
| Benzo(b)fluoranthene       | 135                   | 6.67                     | 133.3               | 0                                | 101                  | 80       | 120       |             |      |          |      |
| Benzo(k)fluoranthene       | 143                   | 6.67                     | 133.3               | 0                                | 108                  | 80       | 120       |             |      |          |      |
| Chrysene                   | 143                   | 6.67                     | 133.3               | 0                                | 108                  | 80       | 120       |             |      |          |      |
| Dibenz(a,h)anthracene      | 141                   | 6.67                     | 133.3               | 0                                | 106                  | 80       | 120       |             |      |          |      |
| Indeno(1,2,3-cd)pyrene     | 137                   | 6.67                     | 133.3               | 0                                | 103                  | 80       | 120       |             |      |          |      |

| Sample ID: <b>MB-6107</b> | SampType: <b>MBLK</b> | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12027</b>  |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: <b>PBS</b>     | Batch ID: <b>6107</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152889</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benz(a)anthracene         | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(a)pyrene            | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(b)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Benzo(k)fluoranthene      | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Chrysene                  | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Dibenz(a,h)anthracene     | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Indeno(1,2,3-cd)pyrene    | ND                    | 6.67                     |                     |                                  |                      |          |           |             |      |          |      |
| Surr: 2-Fluorobiphenyl    | 2930                  |                          | 6667                |                                  | 44.0                 | 42.6     | 128       |             |      |          |      |
| Surr: Nitrobenzene-d5     | 3430                  |                          | 6667                |                                  | 51.5                 | 21.7     | 155       |             |      |          |      |
| Surr: p-Terphenyl-d14     | 4250                  |                          | 6667                |                                  | 63.7                 | 44.9     | 155       |             |      |          |      |

|                    |   |  |  |               |
|--------------------|---|--|--|---------------|
| <b>Qualifiers:</b> | B Analyte detected in the associated Method Blank<br>O RSD is greater than RSDlimit | H Holding times for preparation or analysis exceeded<br>R RPD outside accepted recovery limits | ND Not Detected at the Reporting Limit<br>S Spike Recovery outside accepted reco | Page 15 of 16 |
|--------------------|---|--|--|---------------|

# QC SUMMARY REPORT

WO#: 1310175  
24-Oct-13

## Specialty Analytical

**Client:** Maul Foster & Alongi  
**Project:** Kelso / 0443.02.04

**TestCode:** PAHLL\_S

|                            |                       |                          |                     |                                  |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|---------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-6107</b> | SampType: <b>LCS</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12027</b>  |          |           |             |      |          |      |
| Client ID: <b>LCSS</b>     | Batch ID: <b>6107</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>     | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152890</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value           | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene             | 188                   | 6.67                     | 333.4               | 0                                | 56.4                 | 37.7     | 137       |             |      |          |      |

|                                  |                       |                          |                         |                                  |                      |          |           |             |      |          |      |
|----------------------------------|-----------------------|--------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-001AMS</b> | SampType: <b>MS</b>   | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12027</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W12</b> | Batch ID: <b>6107</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>         | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152891</b> |          |           |             |      |          |      |
| Analyte                          | Result                | PQL                      | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                   | 227                   | 9.38                     | 468.7                   | 2.812                            | 47.8                 | 64.6     | 110       |             |      |          | SMI  |

|                                   |                       |                          |                         |                                  |                      |          |           |             |      |          |      |
|-----------------------------------|-----------------------|--------------------------|-------------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>1310175-001AMSD</b> | SampType: <b>MSD</b>  | TestCode: <b>PAHLL_S</b> | Units: <b>µg/Kg-dry</b> | Prep Date: <b>10/21/2013</b>     | RunNo: <b>12027</b>  |          |           |             |      |          |      |
| Client ID: <b>CS6-S-1.25-W12</b>  | Batch ID: <b>6107</b> | TestNo: <b>SW8270D</b>   | <b>SW 3545A</b>         | Analysis Date: <b>10/22/2013</b> | SeqNo: <b>152892</b> |          |           |             |      |          |      |
| Analyte                           | Result                | PQL                      | SPK value               | SPK Ref Val                      | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzo(a)pyrene                    | 255                   | 9.38                     | 468.7                   | 2.812                            | 53.8                 | 64.6     | 110       | 226.8       | 11.7 | 20       | SMI  |

**Qualifiers:** B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

## KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- \* The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.





# DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 0443.02.02 | NOVEMBER 1, 2013 | CITY OF KELSO

This report reviews the analytical results for soil samples collected by the Maul Foster & Alongi, Inc. (MFA) project team on the former Terry's Auto Salvage site located at 1124 North Pacific Avenue, Kelso, Washington. The samples were collected in September and October 2013.

Specialty Analytical (SA) performed the analyses. SA report numbers 1310001rev1, 1310029final, 1310044final, 1310074rev1, 1310108rev1, 1310128, 1310157, and 1310175 were reviewed. The analyses performed and samples analyzed are listed below. Some analyses may not have been performed on every sample.

| Analysis  | Reference         |
|---|-------------------|
| Diesel and lube oil                               | NWTPH-Dx          |
| Gasoline  | NWTPH-Gx          |
| Polychlorinated biphenyls as Aroclors             | USEPA 8082A       |
| Polycyclic aromatic hydrocarbons                  | USEPA 8270D       |
| Total mercury                                     | USEPA 7471B       |
| Total metals                                      | USEPA 6010C/6020A |
| Toxicity characteristic leaching procedure metals | USEPA 6010C       |
| Volatile organic compounds                        | USEPA 8021B       |

NWTPH = Northwest Total Petroleum Hydrocarbons.  
USEPA = U.S. Environmental Protection Agency.

| Samples Analyzed       |                         |                         |                        |
|------------------------|-------------------------|-------------------------|------------------------|
| SDG No.<br>1310001rev1 | SDG No.<br>1310029final | SDG No.<br>1310044final | SDG No.<br>1310074rev1 |
| CSS-S-1.0-W1           | CS4-S-1.5-W1            | CS6-S-1.25-W1           | CS4-S-1.5-W9           |
| CS1-S-1.0-W2           | CS4-S-1.5-W2            | CS6-S-1.25-W2           | CS3-S-1.0-W5           |
| CS1-S-1.0-W3           | CS4-S-1.5-W4            | CS6-S-1.25-W3           | CS2-S-1.5-W5           |
| CS1-S-1.0-W4           | CS4-S-1.5-W5            | CS6-S-1.25-W4           | SP3-S-1                |
| CS1-S-2.0-F1           | CS5-S-2.0-W1            | CS6-S-1.25-W5           | CS2-S-1.5-W6           |
| CS2-S-1.5-W1           | CS5-S-2.0-W2            | CS6-S-1.25-W6           | SP4-S-1                |
| CS2-S-1.5-W2           | CS5-S-2.0-W3            | CS6-S-1.25-W7           | -                      |
| CS2-S-1.5-W3           | CS5-S-2.0-W4            | CS6-S-2.5-F1            | -                      |
| CS2-S-1.5-W4           | CS5-S-2.0-W5            | CS6-S-2.5-F2            | -                      |
| CS2-S-3.0-F1           | CS5-S-4.0-F1            | CS6-S-2.5-F3            | -                      |
| CS3-S-1.0-W1           | CS4-S-3.0-F1            | CS6-S-2.5-F4            | -                      |

| Samples Analyzed       |                         |                         |                        |
|------------------------|-------------------------|-------------------------|------------------------|
| SDG No.<br>1310001rev1 | SDG No.<br>1310029final | SDG No.<br>1310044final | SDG No.<br>1310074rev1 |
| CS3-S-1.0-W2           | -                       | CS6-S-2.5-F5            | -                      |
| CS3-S-1.0-W3           | -                       | CS4-S-1.5-W6            | -                      |
| CS3-S-1.0-W4           | -                       | CS4-S-1.5-W7            | -                      |
| CS3-2.0-F1             | -                       | CS4-S-1.5-W8            | -                      |
| SP1-S-1                | -                       | CS4-S-3.0-F2            | -                      |
| SP1-S-2                | -                       | SP2-S-1                 | -                      |
| SP1-S-3                | -                       | SP2-S-2                 | -                      |
| SP1-S-4                | -                       | SP2-S-3                 | -                      |
| -                      | -                       | SP2-S-4                 | -                      |
| -                      | -                       | SP2-S-5                 | -                      |
| -                      | -                       | SP2-S-6                 | -                      |
| -                      | -                       | SP2-S-7                 | -                      |
| -                      | -                       | SP2-S-8                 | -                      |
| -                      | -                       | SP2-S-9                 | -                      |
| -                      | -                       | SP2-S-10                | -                      |
| -                      | -                       | SP2-S-11                | -                      |
| -                      | -                       | SP2-S-12                | -                      |
| -                      | -                       | SP2-S-13                | -                      |
| -                      | -                       | SP2-S-14                | -                      |
| -                      | -                       | SP2-S-15                | -                      |
| SDG No.<br>1310108rev1 | SDG No.<br>1310128      | SDG No.<br>1310157      | SDG No.<br>1310175     |
| CS6-S-1.5-W8           | CS2-S-1.5-W7            | CS6-S-1.25-W11          | CS6-S-1.25-W12         |
| CS6-S-1.25-W9          | CS2-S-1.5-W8            | -                       | CS6-S-1.25-W13         |
| CS6-S-1.25-W10         | CS4-S-1.5-W10           | -                       | -                      |
| CS6-S-2.5-F6           | -                       | -                       | -                      |
| SP5-S-1                | -                       | -                       | -                      |

SDG = Sample delivery group.

## DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2008, 2010) and appropriate laboratory and method-specific guidelines (SA, 2013; USEPA, 1986).

SA reported some NWT PH-Dx diesel results as biased high because of the amount of oil in the sample. These results have been qualified “J” as estimated as follows:

| Report       | Sample        | Component | Original Result (µg/L) | Qualified Result (µg/L) |
|--------------|---------------|-----------|------------------------|-------------------------|
| 1310001rev1  | CS1-S-1.0-W4  | Diesel    | 60.2                   | 60.2 J                  |
| 1310001rev1  | CS2-S-1.5-W1  | Diesel    | 26.4                   | 26.4 J                  |
| 1310001rev1  | CS2-S-1.5-W2  | Diesel    | 31.2                   | 31.2 J                  |
| 1310001rev1  | CS2-S-1.5-W3  | Diesel    | 45.3                   | 45.3 J                  |
| 1310001rev1  | CS2-S-1.5-W4  | Diesel    | 60.3                   | 60.3 J                  |
| 1310001rev1  | CS3-S-1.0-W1  | Diesel    | 33.5                   | 33.5 J                  |
| 1310001rev1  | CS3-S-1.0-W2  | Diesel    | 27.0                   | 27.0 J                  |
| 1310001rev1  | CS3-S-2.0-F1  | Diesel    | 35.0                   | 35.0 J                  |
| 1310029final | CS5-S-2.0-W1  | Diesel    | 65.6                   | 65.6 J                  |
| 1310044final | CS6-S-1.25-W1 | Diesel    | 125                    | 125 J                   |
| 1310044final | CS6-S-1.25-W2 | Diesel    | 91.8                   | 91.8 J                  |
| 1310044final | CS6-S-1.25-W3 | Diesel    | 59.5                   | 59.5 J                  |

µg/L = micrograms per liter.

The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

## HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

### Holding Times

Extractions and analyses were performed within the recommended holding time criteria.

### Preservation and Sample Storage

The samples were preserved and stored appropriately.

## BLANKS

### Method Blanks

Laboratory method blank analyses were performed at the required frequencies. For purposes of data qualification, the method blanks were associated with all samples prepared in the analytical batch.

In reports 1310157 and 1310175, the USEPA Method 8021B method blanks had detections for benzene. The associated samples were non-detect; thus, no results were qualified.

All remaining laboratory method blanks were non-detect.

### Trip Blanks

Trip blanks were not submitted for this sampling event.

## Equipment Rinsate Blanks

Equipment rinsate blanks were not required for this sampling event, as all samples were collected using dedicated, single-use equipment.

## SURROGATE RECOVERY RESULTS

When appropriate, individual samples were spiked with surrogate compounds to evaluate laboratory performance.

The reviewer took no action based on minor surrogate outliers or surrogate percent recoveries that were outside acceptance limits because of matrix interference or dilutions necessary to quantify high concentrations of target analytes present in the samples.

The laboratory appropriately documented and qualified surrogate outliers. Associated batch quality assurance and quality control (QC) for samples with surrogate outliers was within acceptance limits. All remaining surrogate recoveries were within acceptance limits.

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Matrix spike/matrix spike duplicate (MS/MSD) results are used to evaluate laboratory precision and accuracy. All MS/MSD samples were extracted and analyzed at the required frequency. MS/MSD relative percent differences (RPDs) for USEPA Method 6010C/6020A were assessed against the RPD acceptance limit of 35 percent for soil laboratory duplicates, as presented in the National Functional Guidelines for inorganic data review (USEPA, 2010).

In report 1310001rev1, the USEPA Method 6010C MS/MSD exceeded the percent recovery lower acceptance limits for arsenic, cadmium, and lead. These exceedances were minor and the MS/MSD met acceptance criteria for RPD; thus, no associated results were qualified.

In report 1310001rev1, the USEPA Method 8270D MSD exceeded the percent recovery lower acceptance limit for benzo(a)pyrene. The MS had acceptable recovery and the MS/MSD were prepared with a sample from a different project. Since the MS/MSD matrices do not represent the soil samples submitted in delivery group 1310001rev, the associated results were not qualified.

In report 1310029final, the USEPA Method 6010C MS exceeded the percent recovery lower acceptance limits for total arsenic, total cadmium, and total lead. The MSD exceeded the upper acceptance limit for total lead because of high concentrations of analyte present in the sample. The MS exceedances were minor; thus, the associated results were not qualified. The MSD and laboratory duplicate exceeded RPD acceptance limits for total arsenic, total cadmium, and total lead. Except for total lead, the exceedances were minor when compared to the RPD criteria of 35 percent for soil laboratory duplicates (USEPA, 2010). Qualifications relating to the laboratory duplicate and RPD exceedances are discussed in the laboratory duplicate results section below.

In report 1310044final, the USEPA Method 6010C MS/MSD exceeded the percent recovery lower acceptance limits for total arsenic, total cadmium, and total lead. The exceedances were minor; thus, the associated results were not qualified.

In report 1310044final, the USEPA Method 7471B MS/MSD exceeded the percent recovery lower acceptance limit for total mercury. The batch laboratory control sample (LCS) had acceptable recovery. Results associated with the sample used to prepare the MS/MSD were qualified as estimates (J) for total mercury.

| Report       | Sample        | Component     | Original Result (mg/kg) | Qualified Result (mg/kg) |
|--------------|---------------|---------------|-------------------------|--------------------------|
| 1310044final | CS6-S-1.25-W1 | Total Mercury | 0.477                   | 0.477 J                  |

mg/kg = milligrams per kilogram.

In report 1310044final, the USEPA Method 8270D MS/MSD exceeded the percent recovery lower acceptance limit for benzo(a)pyrene. The exceedances were minor and the LCS had acceptable recovery; thus, the results were not qualified.

In report 1310074rev1, the USEPA Method 8082A MSD analyzed on 10/9/2013 exceeded the percent recovery lower acceptance limit and the RPD acceptance limit of 35 percent for Aroclor 1016/1260. The MS analyzed on 10/9/2013 met acceptance criteria for percent recovery and the associated samples were non-detect; thus, no results were qualified.

In reports 1310074rev1 and 1310108rev1, the USEPA Method 8270D MS/MSDs exceeded percent recovery acceptance limits because of matrix interference. The MS/MSDs were prepared with samples from an unrelated project and therefore do not represent the samples in SDGs 1310074rev1 and 1310108rev1. The LCSs had acceptable recovery; thus, no results were qualified.

In report 1310108rev1, the USEPA Method 7471B MS/MSD exceeded the percent recovery lower acceptance limit for total mercury. The exceedances were minor and the LCS was within acceptance limits; thus, the results were not qualified.

In report 1310128, the USEPA Method 7471B MS exceeded the percent recovery upper acceptance limit for total mercury. The exceedance was minor and the MSD was within acceptance limits; thus, no results were qualified.

In reports 1310128, 1310157, and 1310175, the USEPA Method 8270D MS/MSDs exceeded the percent recovery lower acceptance limit for benzo(a)pyrene because of matrix interference. The exceedances were minor, the LCS had acceptable recovery, and the associated samples were non-detect; thus, no results were qualified.

In report 1310157, the USEPA Method 6020A MS/MSD exceeded the percent recovery lower acceptance limit for total arsenic. The exceedances were minor and the LCS had acceptable recovery; thus, no results were qualified.

In report 1310175, the USEPA Method 6020A MS/MSD exceeded the percent recovery upper acceptance limit and RPD acceptance limit of 35 percent for total lead because of

high levels of analyte present in the sample. The remaining batch QC had acceptable recoveries; thus, no results were qualified.

All remaining MS/MSD recoveries were within acceptance limits for percent recovery and RPD.

## LABORATORY DUPLICATE RESULTS

Duplicate results are used to evaluate laboratory precision. All laboratory duplicate samples were extracted and analyzed at the required frequency. Laboratory duplicate RPDs for USEPA Method 6010C/6020A were assessed against the RPD acceptance limit of 35 percent for soil laboratory duplicates, as presented in the National Functional Guidelines for inorganic data review (USEPA, 2010). Minor laboratory duplicate RPD exceedances and exceedances for results near the reporting limit were not qualified by the reviewer.

In report 1310029final, the USEPA Method 6010C laboratory duplicate exceeded the RPD acceptance limit of 35 percent for total lead. The batch MS/MSD also exceeded the RPD acceptance limit for total lead. All associated samples with total lead detections were qualified as follows:

| Report       | Sample       | Component  | Original Result (mg/kg) | Qualified Result (mg/kg) |
|--------------|--------------|------------|-------------------------|--------------------------|
| 1310029final | CS4-S-1.5-W1 | Total Lead | 163                     | 163 J                    |
| 1310029final | CS4-S-1.5-W4 | Total Lead | 6.24                    | 6.24 J                   |
| 1310029final | CS4-S-1.5-W5 | Total Lead | 8.73                    | 8.73 J                   |
| 1310029final | CS5-S-2.0-W1 | Total Lead | 149                     | 149 J                    |
| 1310029final | CS5-S-2.0-W3 | Total Lead | 8.26                    | 8.26 J                   |
| 1310029final | CS5-S-2.0-W5 | Total Lead | 9.75                    | 9.75 J                   |

In report 1310128, the USEPA Method 7471B laboratory duplicate exceeded the RPD acceptance limit of 35 percent for total mercury. The associated MS/MSD had an acceptable RPD; thus, the results were not qualified.

In report 1310175, the NWTPH-Dx laboratory duplicate prepared with a sample from an unrelated work order exceeded the RPD acceptance limit of 35 percent for diesel and lube oil. The laboratory noted that the laboratory duplicate diesel and motor oil results were not identified as specific hydrocarbon products. The laboratory duplicate is from an unrelated work order and is not representative of the samples in work order 1310175. The remaining batch QC were within acceptance limits; thus, no results were qualified.

All remaining laboratory duplicate RPDs were within acceptance limits.

## LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

An LCS and laboratory control sample duplicate (LCSD) are spiked with target analytes to provide information on laboratory precision and accuracy. The LCS/LCSD samples were

extracted and analyzed at the required frequency. All LCS/LCSD analytes were within acceptance limits for RPD and percent recovery.

## FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision. One field duplicate was submitted for analysis in report 1310029final (CS4-S-1.5-W4/CS4-S-1.5-W5). MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the method reporting limit (MRL), or 50 percent RPD for results that are greater than five times the MRL. Non-detect data are not used in the evaluation of field duplicate results, except for non-detect results associated with duplicate results greater than five times the MRL. Analytes were within the acceptance criteria, with the exceptions shown in the table below. Field duplicate results that exceeded the acceptance criteria were qualified with a “J” as estimated.

| Sample       | Field Duplicate | Component    | Result (µg/kg) | Modified Result (µg/kg) | Field Duplicate Result (µg/kg) | Modified Field Duplicate Result (µg/kg) |
|--------------|-----------------|--------------|----------------|-------------------------|--------------------------------|---|
| CS4-S-1.5-W4 | CS4-S-1.5-W5    | Chrysene     | 114            | 114 J                   | 7.70 U                         | 7.70 UJ                                 |
| CS4-S-1.5-W4 | CS4-S-1.5-W5    | Aroclor 1254 | 5.42           | 5.42 J                  | 0.384 U                        | 0.384 UJ                                |

µg/kg = micrograms per kilogram.

## CONTINUING CALIBRATION VERIFICATION RESULTS

Continuing calibration verification (CCV) results are used to demonstrate instrument precision and accuracy through the end of the sample batch. All CCVs were within acceptance limits for percent recovery.

## REPORTING LIMITS

SA used routine reporting limits for non-detect results, except when samples required dilutions because of limited sample or extract volume, high analyte concentrations, and/or matrix interferences.

In reports 1310074rev1, 1310108rev1, 1310128, 1310157, and 1310175, total metals were analyzed by USEPA Method 6020A instead of the requested USEPA Method 6010C because of laboratory instrument issues. All samples analyzed by USEPA Method 6020A were diluted because of the significantly lower window of calibration compared to 6010C; this raised reporting limits. Some USEPA Method 6020A total metals results with raised reporting limits were non-detect, but were still suitable for project requirements.

## DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies. None were found.



## REFERENCES

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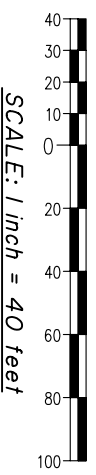
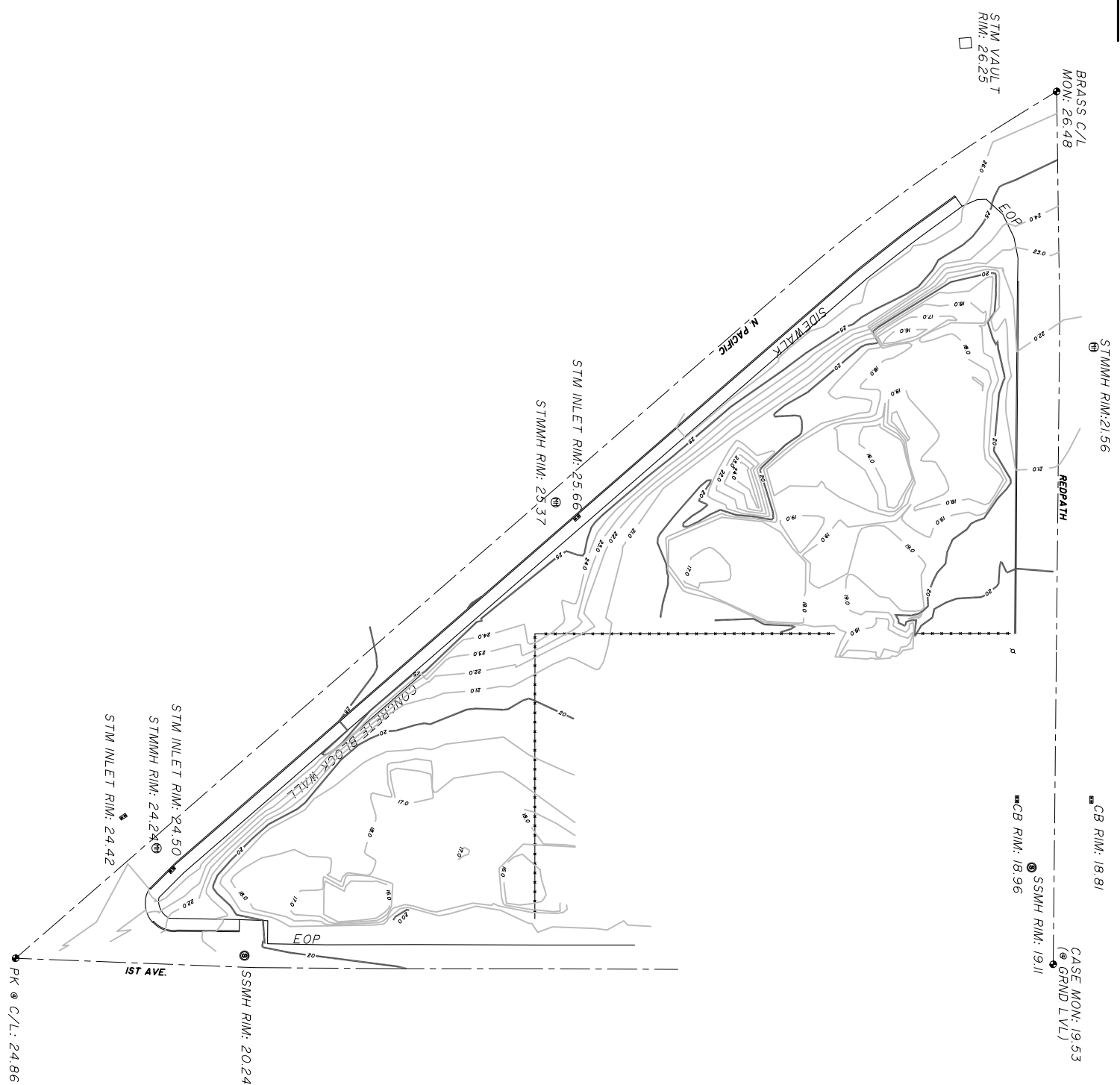
- SA. 2013. Quality assurance manual. Specialty Analytical, Inc., Clackamas, Oregon.
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- USEPA. 2010. USEPA contract laboratory program national functional guidelines for inorganic superfund data review. EPA 540/R-10/011. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. January.

# APPENDIX C

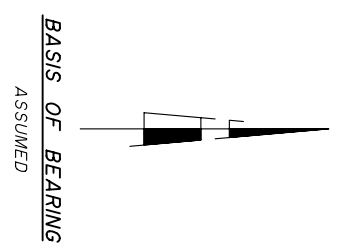
AS-BUILT



**A TOPOGRAPHIC SURVEY**  
**of a portion of Block 11 and Lots 5, 6 and 7 of Block 15,**  
**"Bixby's Addition to Kelso"**  
**Indexed as being within the**  
**NE 1/4 of Section 27, T8N R2W., W.M.**  
**as situated in**  
**COWLITZ COUNTY, WASHINGTON**

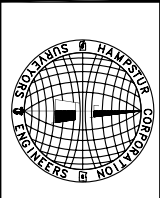


- LEGEND**
- = Monument Found & Tied
  - = Utility Pole
  - ⊕ = STMH (Storm Manhole)
  - ⊞ = Catch Basin or Storm Inlet
  - ⊗ = SSMH (Sanitary Sewer Manhole)
  - - - = Fenceline



|               |   |                  |
|---------------|---|------------------|
| DESIGNED: N/A | SCALE: 1"=40'   | DATE: 11/01/2013 |
| DRAWN: TLG    | DATUM - ASSUMED   |                  |
| CHECKED: CJH  | Nov 18, 2013 4:44pm<br>FILE C:\cadd\work files\500_085\2013\13-513-topo.dwg |                  |
| APPROVED: N/A | JOB NO.   | 13-513           |

**EXCAVATION/TOPOGRAPHY SURVEY**  
**Prepared For:**  
**CITY OF KELSO**  
**Terry's Auto salvage**  
**1124 North Pacific Avenue**  
**Kelso, Washington**

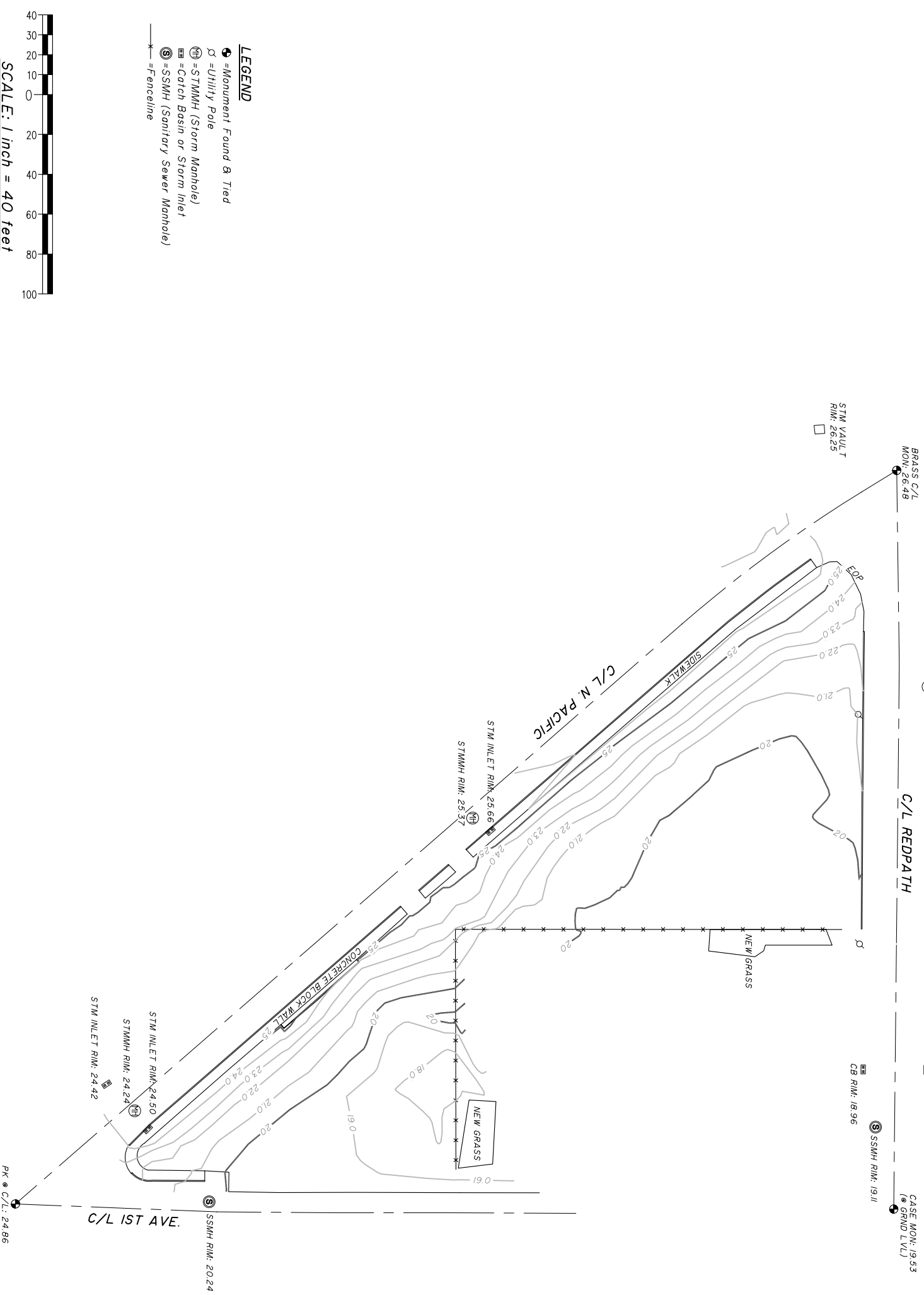


**HAMPSTUR CORPORATION**  
 P.O. Box 368 • Kelso, WA 98626 • (360) 423-8166  
 hampstur@cedinet.net

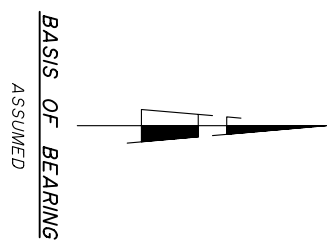
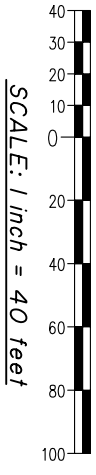
Planners  
Engineers  
Surveyors

|             |                |
|-------------|----------------|
| DRAWING NO. | 13-513.TPO.DWG |
| SHEET NO.   | 1 OF 1         |

**A TOPOGRAPHIC SURVEY**  
**of a portion of Block 11 and Lots 5, 6 and 7 of Block 15,**  
**"Bixby's Addition to Kelso"**  
**Indexed as being within the**  
**NE 1/4 of Section 27, T8N R2W, W.M.**  
**as situated in**  
**COWLITZ COUNTY, WASHINGTON**



- LEGEND**
- = Monument Found & Tied
  - ⊗ = Utility Pole
  - ⊕ = STMH (Storm Manhole)
  - ⊞ = Catch Basin or Storm Inlet
  - ⊙ = SSMH (Sanitary Sewer Manhole)
  - x— = Fenceline



|               |   |                  |
|---------------|---|------------------|
| DESIGNED: N/A | SCALE: 1"=40'   | DATE: 11/01/2013 |
| DRAWN: TLG    | DATUM - ASSUMED   |                  |
| CHECKED: CJH  | Nov 08, 2013 - 1:03pm<br>FILE C:\cadd\work_files\306\306\2013\13-513\13-513asblt-topo.dwg |                  |
| APPROVED: N/A | JOB NO. 13-513  |                  |

**AS-BUILT SITE/TOPOGRAPHY SURVEY**  
**Prepared For:**  
**CITY OF KELSO**  
**Terry's Auto Salvage**  
**1124 North Pacific Avenue**  
**Kelso, Washington**

**HAMPSTUR CORPORATION**  
 P.O. Box 368 • Kelso, WA 98626 • (360) 423-8166  
 hampstur@earthlink.net

|             |                     |
|-------------|---------------------|
| DRAWING NO. | 13-513ASBLT-TOPODWG |
| SHEET NO.   | 1 OF 1              |

# APPENDIX D

## LEAD STATISTICAL ANALYSIS



Background calculations

Terry's Auto Salvage - Lead Data Distribution

1.07  
 1.09  
 1.09  
 1.125  
 1.18  
 1.2  
 1.245  
 1.255  
 1.295  
 1.3  
 1.315  
 1.34  
 1.35  
 1.355  
 1.365  
 1.39  
 1.395  
 2.05  
 2.69  
 4.27  
 4.27  
 6.24  
 8.26  
 8.73  
 9.75  
 11.1  
 13.3  
 14.1  
 15.9  
 16.4  
 16.5  
 17.2  
 17.7  
 26  
 27  
 57  
 71  
 79.8  
 81.7  
 103  
 103  
 134  
 149  
 161  
 163  
 328  
 336

| MTCAStat 3.0                |    |                      |  |
|-----------------------------|----|----------------------|--|
| Number of samples           |    | Uncensored values    |  |
| Uncensored                  | 47 | Mean                 | 42.75                                      |
| Censored                    | 0  | Lognormal mean       | 52.76                                      |
| TOTAL                       | 47 | Std. devn.           | 77.10                                      |
|                             |    | Median               | 8.73                                       |
|                             |    | Min.                 | 1.07                                       |
|                             |    | Max.                 | 336  |
| Lognormal distribution?     |    | Normal distribution? |  |
| r-squared is: 0.90          |    | r-squared is: 0.59   |  |
| Recommendations:            |    |                      |  |
| Use lognormal distribution. |    |                      |  |
| Distribution selection      |    | Enter percentile     | Value corresponding to that percentile is: |
| 1                           |    | 90                   |  |
| 1 = Lognormal               |    |                      | 50th                                       |
| 2 = Normal                  |    |                      | 4 X 50th                                   |
| 3 = Nonparametric method    |    |                      |  |

Compliance calculations

Terry's Auto Salvage - Lead Upper Confidence Limit (mg/kg)

1.355  
1.09  
1.395  
14.1  
1.34  
134  
71  
17.7  
13.3  
1.09  
27  
15.9  
163  
1.18  
6.24  
8.73  
149  
1.255  
8.26  
2.05  
9.75  
1.07  
1.315  
103  
103  
1.35  
1.245  
1.39  
11.1  
1.2  
2.69  
1.3  
1.365  
26  
4.27  
1.125  
1.295  
4.27  
81.7  
16.4  
16.5  
57  
161  
17.2  
79.8  
336  
328

|  |       |                      |            |
|--|-------|----------------------|------------|
| Number of samples  |       | Uncensored values    |            |
| Uncensored   | 47    | Mean                 | 42.75      |
| Censored   | 0     | Lognormal mean       | 52.76      |
| Detection limit or PQL   |       | Std. devn.           | 77.0991666 |
| Method detection limit   |       | Median               | 8.73       |
| TOTAL  | 47    | Min.                 | 1.07       |
|  |       | Max.                 | 336        |
| Lognormal distribution?  |       | Normal distribution? |            |
| r-squared is:  | 0.897 | r-squared is:        | 0.591      |
| Recommendations:   |       |                      |            |
| Reject BOTH lognormal and normal distributions. See Statistics Guidance. |       |                      |            |
| UCL (Land's method) is 135.987268615171                                  |       |                      |            |

# APPENDIX E

ROCK SOURCE







**Washington State  
Department of Transportation**  
Paula J. Hammond, P.E.  
Secretary of Transportation

Environmental and Engineering  
State Material Laboratory  
PO Box 47365  
Olympia, WA 98504-7365  
360-709-5400  
Fax: 360-709-5588  
TTY: 1-800-833-6388  
[www.wsdot.wa.gov](http://www.wsdot.wa.gov)

April 16, 2010

Scott DeRosier  
DeRosier Trucking Inc.  
3627 Pleasant Hill Road  
Kelso, WA 98626  
(360) 577-1636

Re: Preliminary Source Evaluation, ASA2010025

Dear Mr. DeRosier:

This letter is to inform you that preliminary testing for Mineral Aggregate, Rip Rap, Quarry Spalls and Rock for Rock Wall applications has been completed on the sample taken from the site designated as QS-N-75, also known as Allen St. Quarry in Cowlitz County, Washington. According to the Washington State Department of Transportation (WSDOT) Standard Specifications for Road, Bridge, and Municipal Construction (2010) (Std Spec), the sample tested passed the requirements for various Mineral Aggregate, Rip Rap and Quarry Spalls applications as indicated in Section 9-03 and Section 9-13; however, AASHTO T 85 (Specific Gravity and Absorption of Coarse Aggregate) was performed on the sample and resulted in absorption of 4%. WSDOT Std Spec Section 9-13.7(1) shows the maximum allowable absorption as 3%. Therefore, this aggregate does not meet the specification requirements for Rock for Rock Walls and Chinking Material.

The enclosed Aggregate Source Approval (ASA) Report lists specific approved uses for the aggregate from this site. The enclosed Aggregate Source Approval (ASA) Report lists specific approved uses for the aggregate from this site. The ASA database is available on the Internet at: <http://www.wsdot.wa.gov/biz/mats/asa/asaSearch.cfm>

The reports and all backup data will remain on file at the WSDOT Materials Laboratory. If there are any questions concerning this matter, please contact Maha Abison at (360) 709-5444.

Sincerely,

  
Rob Molohon  
State Materials Documentation Engineer

RM: mea  
Enclosure

cc via e-mail: K. Williams - Construction Materials Engineer  
B. Briggs - Assistant Construction Materials Engineer - Admin  
M. Polodna - Structural Materials Engineer  
R. Henderson - Southwest Region Materials Engineer  
S. DeRosier - DeRosier Trucking Inc. ([derosierrock@kalama.com](mailto:derosierrock@kalama.com))

# Aggregate Source Approval Report



## WSDOT MATERIALS LAB

04/16/2010

### Aggregate Source Approval Report

Owner: DeRosier Trucking Inc.  
 Leasee:  
 Located In: SW 1/4 NW 14 Section 32 T8N R1W

Aggregate Source: QS-N-75  
 Known as: Allen St. Quarry  
 County: Cowlitz

#### Remarks:

##### Pit Run Materials:

Prior to incorporating any of the following into a job, Gradation and Sand Equivalent tests shall be performed to determine if the material does in fact meet specification for the intended use:

- |   |  |   |
|---|--|---|
| Backfill for Rock Wall                  | Backfill for Sand Drains               | Bedding Material for Rigid Pipe           |
| Bedding Material for Thermoplastic Pipe | Blending Sand                          | Foundation Material for Classes A, B or C |
| Gravel Backfill for Drains and Drywells | Gravel Backfill for Foundation Class B | Gravel Backfill for Pipe Zone Bedding     |
| Gravel Backfill for Walls               | Gravel Borrow                          | Sand Drainage Blanket                     |
| Select or Common Borrow                 |  |   |

No Preliminary Tests are required to be performed by the State Materials Lab

|                     |                       |                             |
|---------------------|-----------------------|-----------------------------|
| <b>Gravel Base:</b> | Test Date: 08/01/1959 | Expiration Date: 08/01/1959 |
| Drainage:           | R Value: 77           | Swell Pressure: 0           |

Contact the Regional Materials Office to request PRELIMINARY SAMPLES be acquired. Evaluation and approval of this site as a source of GRAVEL BASE is required prior to use.

|                                    |                        |                             |
|------------------------------------|------------------------|-----------------------------|
| <b>Mineral Agg. and Surfacing:</b> | Test Date: 04/14/2010  | Expiration Date: 04/14/2015 |
| Absorption: 4.22                   | Apparent Sp. G.: 2.726 | Bulk Sp. G. (SSD): 2.55     |
| Deg: 42                            | LA: 24                 | Bulk Sp. G.: 2.446          |

Currently approved as a source of aggregate for:

- |                              |  |                             |
|------------------------------|--|-----------------------------|
| ATB                          | Ballast                                | BST Crushed Cover Stone     |
| BST Crushed Screenings       | Crushed Surfacing Base Course          | Crushed Surfacing Key Stone |
| Crushed Surfacing Top Course | Gravel Backfill for Foundation Class A | HMA Other Courses           |
| HMA Wearing Course           | Maintenance Rock                       | Shoulder Ballast            |

Acceptance tests need to be performed as necessary.

|   |                        |                  |
|---|------------------------|------------------|
| <b>Portland Cement Concrete Aggregates:</b> | Test Date:             | Expiration Date: |
| ASR - 14 Day:                               | ASR - One Year:        | CCA Absorption:  |
| FCA Absorption:                             | FCA Organics:          | FCA Sp. G.:      |
| Mortar Strength:                            | Petrographic Analysis: | CCA Sp.G.:       |
|   |                        | LA:              |

Contact the Regional Materials Office to request PRELIMINARY SAMPLES be acquired. Evaluation and approval of this site as a source of AGGREGATES for PCC is required prior to use.

|                                  |                        |                             |
|----------------------------------|------------------------|-----------------------------|
| <b>Riprap and Quarry Spalls:</b> | Test Date: 04/14/2010  | Expiration Date: 04/14/2011 |
| Absorption: 4.22                 | Apparent Sp. G.: 2.726 | Bulk Sp. G. (SSD): 2.55     |
| Deg: 42                          | LA: 24                 | Bulk Sp. G.: 2.446          |

Currently approved as a source of aggregate for:

- |               |        |                           |
|---------------|--------|---------------------------|
| Quarry Spalls | RipRap | Stone for Gabion Cribbing |
|---------------|--------|---------------------------|

Distribution: Physical Testing \_\_\_\_\_ Project Engineer \_\_\_\_\_ Region Operations \_\_\_\_\_ Region Materials \_\_\_\_\_

#### Aggregate Source Approval System