FOCUSED SITE CHARACTERIZATION

FLEISCHER PROPERTIES

Prepared for

CLARK COUNTY, WASHINGTON

VANCOUVER, WASHINGTON

December 22, 2014

Project No. 9059.07.04

MAUL FOSTER ALONGI

Prepared by

Maul Foster & Alongi, Inc.

400 E Mill Plain Blvd., Suite 400, Vancouver WA 98660

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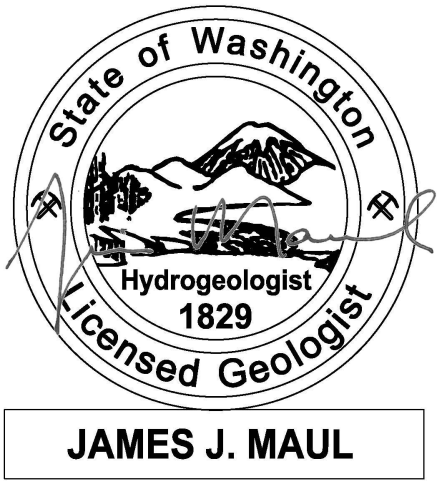
The material and data in this report were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.

Emily Hess, GIT
Staff Geologist

Seth Otto, AICP
Project Manager



James Maul, LHG
President/Principal Hydrogeologist

CONTENTS

TABLES AND ILLUSTRATIONS V

ACRONYMS AND ABBREVIATIONS VI

1 INTRODUCTION 1
- 1.1 REGULATORY FRAMEWORK 1
- 1.2 SITE ASSESSMENT OBJECTIVES 1

2 BACKGROUND 2
- 2.1 PROPERTY DESCRIPTION 2
- 2.2 PROPERTY HISTORY 2
- 2.3 HISTORICAL AND CURRENT USES OF ADJACENT PROPERTIES 3
- 2.4 PREVIOUS INVESTIGATIONS 4
- 2.5 POTENTIAL ENVIRONMENTAL CONDITIONS 5
- 2.6 GEOLOGY AND HYDROGEOLOGY 5

3 FIELDWORK 6
- 3.1 SOIL SAMPLING 6
- 3.2 ANALYSES 7
- 3.3 INVESTIGATION-DERIVED WASTE 7

4 NATURE AND EXTENT 7
- 4.1 PESTICIDES AND HERBICIDES 8
- 4.2 PCBS 9
- 4.3 HYDROCARBONS 9
- 4.4 METALS 9
- 4.5 AMMONIA 10

5 CONCEPTUAL SITE MODEL 10
- 5.1 SOURCE CHARACTERIZATION 10
- 5.2 FATE AND TRANSPORT OF CONTAMINANTS 11
- 5.3 POTENTIAL SOIL EXPOSURE SCENARIOS 11
- 5.4 CLEANUP STANDARDS 12

6 RISK EVALUATION 13
- 6.1 SOIL 13
- 6.2 TERRESTRIAL ECOLOGICAL EVALUATION 13
- 6.3 SUMMARY 13

7 FOCUSED CLEANUP ACTION EVALUATION 14
- 7.1 ALTERNATIVE 1: EXCAVATION AND OFF-SITE DISPOSAL OF CONTAMINATED SOIL 14
- 7.2 ALTERNATIVE 2: CAPPING OF CONTAMINATED SOILS 14
- 7.3 ALTERNATIVE 3: TARGETED EXCAVATION AND CAPPING OF CONTAMINATED SOILS 15
- 7.4 CLEANUP ALTERNATIVE EVALUATION REQUIREMENTS 16
- 7.5 EVALUATION OF SITE CLEANUP ALTERNATIVES 17

LIMITATIONS

REFERENCES

TABLES

CONTENTS (CONTINUED)

FIGURES

APPENDIX A
2010 LABORATORY ANALYTICAL RESULTS

APPENDIX B
2014 LABORATORY ANALYTICAL RESULTS

APPENDIX C
DATA VALIDATION MEMORANDUM

TABLES AND ILLUSTRATIONS

FOLLOWING REPORT:

TABLES

1 SOIL ANALYTICAL RESULTS

2 COMPARISON OF CLARIFIER SOLIDS PRESENT AND PCB CONCENTRATIONS

3 COST ESTIMATE ALTERNATIVE 1—EXCAVATION OF CONTAMINATED SOILS

4 COST ESTIMATE ALTERNATIVE 2—CAPPING OF CONTAMINATED SOILS

5 COST ESTIMATE ALTERNATIVE 3—TARGETED EXCAVATION AND CAPPING OF CONTAMINATED SOILS

6 DISPROPORTIONATE COST ANALYSIS

FIGURES

1 SITE LOCATION

2 SITE TOPOGRAPHY

3 SITE FEATURES

4 INVESTIGATION LOCATIONS

5 CLARIFIER SOLIDS DEPTH

6 PCB CONCENTRATIONS

7 CONCEPTUAL SITE MODEL OF POTENTIAL HUMAN AND ECOLOGICAL EXPOSURE PATHWAYS

ACRONYMS AND ABBREVIATIONS

ATSDR	Agency for Toxic Substances and Disease Registry
bgs	below ground surface
CAP	Cleanup Action Plan
County	Clark County, Washington
CSM	conceptual site model
CUL	cleanup level
Ecology	Washington State Department of Ecology
ESA	environmental site assessment
GeoDesign	GeoDesign, Inc.
IDW	investigation-derived waste
IHS	indicator hazardous substance
Leichner Brothers Landfill	the landfill
LFG	landfill gas
MFA	Maul Foster & Alongi, Inc.
mg/kg	milligrams per kilogram
MRL	method reporting limit
MTCA	Model Toxics Control Act
PCB	polychlorinated biphenyl
PID	photoionization detector
POC	point of compliance
Property	9109 and 9115 Northeast 94th Avenue in Vancouver, Washington
RCRA	Resource Conservation and Recovery Act
SCS	SCS Engineers
SVOC	semivolatile organic compound
TEE	terrestrial ecological evaluation
ug/kg	micrograms per kilogram
USEPA	U.S. Environmental Protection Agency
WAC	Washington Administrative Code
WCI	Waste Connections, Inc.
WBZ	water-bearing zone

1 INTRODUCTION

On behalf of Clark County, Washington (the County), Maul Foster & Alongi, Inc. (MFA) has prepared this focused site characterization report for the Fleischer properties located at 9109 and 9115 Northeast 94th Avenue in Vancouver, Washington (referred to in this report as the Property) (see Figure 1). The Property is currently vacant but was formerly used for residential, agricultural, and some industrial activities. The Property was obtained in 1977 and is currently owned by Bonnie Fleischer.

1.1 Regulatory Framework

In 2014, the County received an Integrated Planning Grant from the Washington State Department of Ecology (Ecology). The grant is for environmental characterization and redevelopment planning. The purpose of the focused site characterization is to characterize the nature and extent of hazardous substances, evaluate potential risk to human and ecological receptors, and identify scenarios pertaining to cleanup alternatives and redevelopment for the Property. The County will use this document to make a decision regarding the purchase of the Property to become part of the larger adjacent County-owned property. This assessment meets the substantive requirements of Washington Administrative Code (WAC) 173-340 of the Model Toxics Control Act (MTCA), while identifying efficiencies that may be gained through integrating planned redevelopment design components with the remedial action.

1.2 Site Assessment Objectives

Previous investigations conducted on the Property detected contaminants with concentrations above MTCA cleanup levels (CULs) in surface soil and identified potential environmental conditions that may have resulted in impacts to soil on the Property. This assessment was conducted to evaluate previously identified environmental impacts and assess impacts to redevelopment of the Property. Site assessment objectives included the following:

- Development of a conceptual site model (CSM) and data quality objectives for site characterization
- Assessment of potential sources of contamination and of hazardous substances above relevant CULs in environmental media
- Evaluation of potential risk to current and reasonably likely future human and ecological receptors, as appropriate
- Evaluation of potential remedial options based on multiple redevelopment scenarios for impacted media

2 BACKGROUND

2.1 Property Description

The Property comprises three tax lots (County Tax Account Numbers 199861000, 199854000, and 199851000) located in the northwest quarter of section 59, township 2 north, range 2 east, of the Willamette Meridian (see Figure 1). The Property is approximately 9.5 acres. The closed Leichner Brothers Landfill (the landfill) is located adjacent to the Property to the north, east, and south. According to the County planning department, the Property and the properties surrounding it are zoned Light Industrial. Land use in the vicinity of the Property is primarily industrial and residential.

The Property is generally flat, although there are small bench or terrace features (see Figure 2). Based on the National Geodetic Vertical Datum of 1929, elevations range between approximately 205 and 225 feet above mean sea level. Structures at the Property include a single-story residence with an attached garage, a small barn, and a pump house with a domestic well.

2.2 Property History

Archival records summarized in a GeoDesign, Inc. (GeoDesign) Phase I environmental site assessment (ESA) and Limited Surface Soil Evaluation (GeoDesign, 2010) describe the developmental history of the Property as follows:

- 1940: The Property appears to be vacant land.
- 1945: Five structures (a residence and four associated outbuildings) were constructed on the northwest portion of the Property between 1940 and 1945. The rest of the Property appears to be for agricultural use.
- 1955–1970: The existing residence, garage, and small barn were constructed on the southwest portion and the four outbuildings were removed from the northwest portion between 1945 and 1955. The rest of the Property appears to be used for agriculture. Fill comprised of clarifier solids was placed on the Property beginning in 1970.
- 1973–1990: The clarifier solids appear to be present over the entire Property, with the exception of the area immediately west of the current residence as shown in a 1973 aerial photograph. The clarifier solids may have been placed as part of the former property owner's fertilizer-processing business (Drasler Organic Fertilizer Company). The Property was purchased by the current property owner in 1977. Some of the clarifier solids appear to have been removed from the Property between 1980 and 1990. In the 1990 aerial photographs, structures are discernible at the location of the existing abandoned structures.
- 1996–2009: The residence located on the northwest portion of the Property was removed between 1990 and 1996. The Property has been primarily unused land since the

current owner purchased it. Clarifier solids are not evident in the 1996 and 2002 aerial photographs, although some areas of clarifier solids were observed during site reconnaissance in 2009 (GeoDesign, 2010).

2.3 Historical and Current Uses of Adjacent Properties

The following information obtained from a Phase I ESA provides descriptions of the current and historical uses of the adjoining properties (SCS Engineers, Inc. [SCS], forthcoming):

North of the Property - Waste Connections, Inc. (WCI – refer to Figure 3): Two-thirds of the Property's northern boundary is bordered by WCI. WCI operates a garbage haul truck fleet facility (e.g., truck storage, fueling, maintenance, and repair) and a solid waste container storage yard. The WCI property had historical operations as a supporting facility for the adjacent Leichner Brothers Landfill when it was operational. The 1981, 1986, and 1990 aerial photographs show the WCI property as cleared and containing two or three structures that were presumably used to support the landfill operations. The 2000 aerial photograph has the same buildings and configuration as currently exists and several trucks and/or containers were present, indicating the property may have been used as a truck fleet facility.

North and east of the Property - Leichner Brothers Landfill: The eastern third of the Property's northern boundary and the Property's eastern boundary is bordered by the closed Leichner Brothers Landfill. The Leichner Brothers Landfill property was used as a gravel pit before landfilling operations began in the 1930s. Before the mid-1960s, solid waste was reportedly burned at the landfill. After this period, the waste was presumably used to fill in former gravel pits. The 1981 aerial photograph displays the Leichner Brothers Landfill property expanded to its current configuration with most of the land cleared and apparently used for landfill operations. The landfill was closed in 1991. Regulatory closure of the Leichner Brothers Landfill has not been issued to date. Investigations performed in the late 1980s identified that groundwater impacts were present at levels exceeding applicable regulatory screening levels in the shallow alluvium water-bearing zone beneath the Leichner Brothers Landfill property. The landfill property was purchased by the County in December 2012. There is a landfill gas (LFG) flare station on the Leichner Brothers Landfill property that is used to combust LFG generated by the landfill.

South of the Property - Koski property: The Property's southern boundary is bordered by the Koski property. The Koski property is predominately void of structural development except for a residential dwelling in the northwest corner of the Koski property. Aerial photographs from 1950, 1960, and 1970 show the Koski property appeared to have been used for agricultural purposes. From at least 1981 to 1990, a retention pond for the Leichner Brothers Landfill was located in the north-central portion of the Koski property. In the 1986 and 1990 aerial photographs, a dirt road was present that extended into the Koski property at the approximate location of former burn areas. The burn areas were reportedly associated with historical operations of the Leichner Brothers Landfill and the remnants of the burn waste materials reportedly consisted primarily of glass with lesser amounts of metal and ash. Remediation of the former burn areas was conducted in 1992. The Koski property was purchased by the County in December 2012.

West of the Property - Northeast 94th Avenue: The Property's western boundary is bordered by Northeast 94th Avenue. Across Northeast 94th Avenue is a residential development.

2.4 Previous Investigations

GeoDesign conducted a Phase I ESA and limited surface soil evaluation at the Property in March 2010. In the Phase I ESA, GeoDesign identified clarifier solids on the Property as a recognized environmental condition because this material reportedly had been acquired from the former Boise Cascade Mill, and GeoDesign concluded that it likely contained hazardous substances (e.g., polychlorinated biphenyls [PCBs]). Clarifier solids were later removed; however, some material and/or impacts from the material may remain on the Property.

Clarifier solids and soil were sampled in 2010 from the surface at two locations and analyzed for PCBs, total petroleum hydrocarbon—hydrocarbon identification, semivolatile organic compounds (SVOCs), and metals. One PCB Aroclor (Aroclor 1248) was detected in both soil samples at concentrations greater than the MTCA Method A CULs for both restricted and unrestricted land use. Other PCB Aroclors were not detected above the method reporting limits (MRLs) in either sample. Diesel- and heavy-oil-range hydrocarbons and metals (including arsenic, chromium, copper, lead, mercury, and nickel) were detected, although concentrations were below the MTCA Method A CULs for unrestricted land use. SVOCs were not detected above the MRLs.

Based on this precursory sampling, GeoDesign divided the Property into 20 sections for limited surface soil sampling for PCB analysis. Up to nine surface soil grab sampling sites were collected within each section for 19 of the 20 sections. Soil samples were collected between the ground surface and 0.5 foot below ground surface (bgs). Soil grab samples from each of the 19 sections were homogenized into one composite sample. PCB Aroclor 1248 was detected in each composite soil sample at concentrations ranging from 820 to 32,400 micrograms per kilogram (ug/kg). PCB Aroclor 1254 was detected in the composite soil sample from Section 1 at a concentration of 396 ug/kg. Except for the composite soil sample from Section 12, the detected concentrations of PCBs in the composite soil samples analyzed were all greater than the MTCA Method A CUL of 1,000 ug/kg for unrestricted land use. Sample results collected from Sections 2 through 7, Section 14, and Section 17 were greater than the MTCA Method A CUL of 10,000 ug/kg for restricted land use (GeoDesign, 2010).

The indicator hazardous substances (IHSs) for the Property are PCBs, specifically Aroclor 1248 and Aroclor 1254. Based on the GeoDesign investigation, chemicals of potential concern include metals and diesel-range hydrocarbons. Because of the historical agricultural use at the Property, along with the reported use of fertilizer processing, other chemicals of potential concern may include chlorinated herbicides, organochlorine pesticides, and organophosphorus pesticides.

2.5 Potential Environmental Conditions

Based on the findings of site characterization activities and known Property uses, the Phase I ESA identifies the following potential recognized environmental condition at the Property:

- Surface soil contamination resulting from clarifier solids and historical agricultural operations

2.6 Geology and Hydrogeology

According to the Geologic Map of the Vancouver Quadrangle, Washington and Oregon, the Property and vicinity are underlain by Pleistocene outburst flood deposits. The gravel-sized flood deposits typically consist of "well-rounded, foreset-bedded, well-sorted and stratified pebble and cobble gravel with angular to subangular boulders typically 2.5 meters or less in length; clast-supported with a sandy matrix; sandy matrix composed of mafic volcanic fragments, quartz, and muscovite…" (Phillips, 1987).

Soil conditions encountered during the July 2014 field sampling event confirmed the presence of clarifier solids at the Property. Observed thicknesses ranged from trace amounts to approximately 1.5 feet. Below the clarifier solids was generally 1 to 2 feet of dry sandy silt underlain by coarse sand and gravel to approximately 8.5 feet bgs, the maximum depth of investigation activities. Groundwater was not encountered during the investigation.

There is a domestic water well on the Property. No well log describing subsurface conditions could be located. Stormwater that falls on the Property is expected to infiltrate or flow to the east, toward a drainage ditch located along Northeast 94th Avenue.

The geology and hydrogeology at the adjoining former landfill has been extensively characterized (SCS, 2013) (see Figure 3). The investigations describe the geology beneath the landfill site as approximately 70 to 100 feet of alluvium, underlain by the upper member of the Troutdale Formation. The site hydrogeology consists of an approximately 10- to 40-foot-thick unsaturated (vadose) zone, and an unconfined alluvial water-bearing zone (WBZ), which ranges in thickness from 35 to 45 feet. The alluvium generally consists of sand and gravelly to silty sand. Underlying the alluvial WBZ is the upper member of the Troutdale Formation aquifer. The Troutdale Formation aquifer generally consists of sandy to cobbly gravel with minor amounts of silt and clay. The alluvial WBZ and the Troutdale Formation aquifer are separated by a silt aquitard (sandy silt and clayey silt) east and south of the landfill. Southwest of the landfill, the silt aquitard is absent and the two aquifers are locally in hydraulic communication. The Troutdale Formation aquifer and the overlying aquitard have not been evaluated in the northern and western portions of the landfill site. Depths to groundwater at the landfill site in the vicinity of the Property range from approximately 25 to 40 feet bgs. The direction of groundwater flow, based on surveyed groundwater elevations in the alluvial WBZ, appears to be southwest (SCS, 2013).

Monitoring wells in the vicinity of the Property (e.g., landfill monitoring wells LB-1S, LB-6S, LB-17I) have had detections of chloride, nitrate, total dissolved solids, dissolved iron, dissolved

manganese, and select volatile organic compounds. Dissolved iron and dissolved manganese have been detected in groundwater samples collected from these monitoring wells above compliance criteria (SCS, 2013).

3 FIELDWORK

To evaluate the potential for environmental contamination on the Property, soil samples were collected from test pits and analyzed for PCBs, metals, diesel- and lube-oil-range hydrocarbons, herbicides, organochlorine pesticides, and organophosphorus pesticides.

A work plan for this field sampling event was provided to Ecology on July 8, 2014. Fieldwork was performed on July 15, July 16, and October 1, 2014. The investigation was conducted consistent with the work plan (MFA, 2014a), with the following exceptions:

- The number of soil samples collected from eight of the test pits was increased from three to four because clarifier solids were identified either at the surface or at depth.
- At the request of the County, ammonia, iron, and manganese were added to the analyte list for soil samples adjacent to the landfill on the eastern boundary of the Property.
- One less test pit was advanced near the western boundary of the Property as was scoped because test pits TP08 and TP09 were advanced in this area.

Additional fieldwork was performed on October 1, 2014 consistent with the work plan addendum (MFA, 2014b). The soil sampling program was expanded to include sampling off-Property along the southern, eastern, and a portion of the northern Property boundaries to assess the presence of PCBs and to define the lateral extent of the site.

3.1 Soil Sampling

Before excavation began, public and private underground utility locating services checked for underground utilities. Thirty test pits were advanced by Munitor Construction, LLC, of Portland, Oregon, under the supervision of an MFA geologist on July 15 and July 16, 2014. The geologist collected soil samples, described soil types, and measured volatilization in soil headspace using a photoionization detector (PID). The soil headspace readings had a PID reading of 0.0 parts per million.

Investigation locations are shown on Figure 4. These locations were selected to characterize the spatial extent of the clarifier solids at the Property. Consistent with the work plan, most test pits were advanced to 7 to 9 feet bgs. Groundwater was not encountered during the assessment.

The samples collected on October 1, 2014 were obtained from test pits advanced by hand using decontaminated stainless steel tools (e.g., shovels, picks, hand augers). Soil samples were collected from the surface (to approximately 0.5 feet bgs) and from depths below the visual indications of

clarifier solids (estimated at 1.5 feet to 2.0 feet bgs). If clarifier solids were not observed, soil samples were collected from the subsurface at approximately 2.0 feet bgs.

3.2 Analyses

The uppermost soil sample for each test pit from the July 15 and July 16, 2014 fieldwork was submitted to the laboratory for analysis. Depending on the results from analyzing the uppermost samples, select archived samples from the lower depths were analyzed. The locations, sample depths, and analyses for each sample are summarized in Table 1. Samples were analyzed for PCBs by U.S. Environmental Protection Agency (USEPA) Method 8082; for diesel- and residual-range petroleum hydrocarbons by Northwest Total Petroleum Hydrocarbon Method NWTPH-Dx; for arsenic, chromium, copper, iron, lead, manganese, nickel, and zinc by USEPA Methods 6010/6020; for mercury by USEPA Method 7471; for ammonia by USEPA Method 350.1; for chlorinated herbicides by USEPA Method 8151; for organochlorine pesticides by USEPA Method 8081B; and for organophosphorus pesticides by USEPA Method 8270D.

For soil samples collected on October 1, 2014, the surface sample from each sampling location near the Property boundary was submitted for PCB analysis. Deeper soil samples and samples collected laterally south of the Property line were archived for possible follow-up analysis.

3.3 Investigation-Derived Waste

Investigation-derived waste (IDW) included decontamination fluids, and this liquid IDW was placed in a 5-gallon bucket and labeled with the contents, the volume of material, the date of collection, and the origin of the material. The bucket is stored on the Property to the west of the building, pending profiling for disposal.

4 NATURE AND EXTENT

This section summarizes the nature and extent of soil contamination on the Property associated with the potential environmental condition identified in Section 2.4 and based on previous site investigations summarized in Section 2.3. Groundwater was not assessed as part of this investigation because site characterization data showed that the property is not a source of groundwater contamination. Please refer to Section 5 for further discussion on groundwater. It is Ecology's position that groundwater contamination (iron and manganese) extends onto the Property based on results from adjacent groundwater monitoring wells at the Leichner Landfill.

Prior to the July 2014 investigation, assessment of the soil on the Property had been limited to sampling material at two surface soil sample locations and surface soil sampling at 19 locations collected during the Phase I ESA and limited surface soil evaluation (GeoDesign, 2010). The analytical results are summarized in Section 2.3. Diesel- and heavy-oil-range hydrocarbons and metals (including arsenic, chromium, copper, lead, mercury, and nickel) were detected in the clarifier

solids in surface soil samples, although concentrations were below the MTCA Method A CULs for unrestricted land use. PCB Aroclors 1248 and 1254 were detected in the surface soil samples at concentrations above and below MTCA Method A CULs.

To assess the extent of contamination on the Property, soil samples were collected from multiple depths from 30 test pits in July, 2014. PCB concentrations exceeded the CUL at various locations and in some instances elevated PCB concentrations were near the Property boundary. In order to define lateral extent of impacts in soil, MFA collected soil samples from off-property on October 1, 2014 near the southern, eastern, and a portion of the northern Property boundaries.

The investigations have delineated the approximate location of clarifier solids (see Figure 5) and the PCB contamination (see Figure 6). The deepest soil sample that exceeds the Method A CUL of 1 milligram per kilogram (mg/kg) was up to 5.5 feet bgs (TP27). None of the soil samples selected for metals analysis exceeded their respective CULs. Generally, PCBs are prevalent at the Property above MTCA CULs (refer to Figure 6).

The vertical and lateral extent of PCB impacted soil at the Property has been delineated, with exception of lateral extent of PCB impacts to the north (see Figure 6) adjacent to test pits TP10 and TP11. The vertical extent of PCBs was delineated in the test pit locations with exception of test pits TP42 and TP51. Manual test pit advancement encountered refusal at test pit TP51 at 2.0 feet bgs. Laterally west of the Property is Northeast 94th Avenue while approximately two thirds of the northern Property boundary is shared with the WCI facility. Both Northeast 94th Avenue and the WCI facility (former landfill operations) were developed prior to clarifier solids being placed at the Property. These operational constraints along with aerial photographs indicate that it is unlikely activities associated with the Property would extend across these operational boundaries.

The eastern one third of the northern Property boundary along with the eastern boundary and a small portion of the southern boundary is adjacent to the closed Leichner Brothers Landfill cap. These areas were likely modified during landfill closure and cap installation. Visible indications of the geotextile commonly used for landfill cap are present off-Property along the eastern boundary. Surface soil samples collected from these areas were not impacted with PCBs above the Method A CUL for unrestricted land use.

To the south, the Property is boarded by the Koski property. PCB contamination in soil appears to extend off-Property. The lateral extent of PCBs in soil is defined to the south. According to aerial photographs, a gravel road has been present along the southern Property boundary since before 1964 (refer to Figure 3). In some cases, PCB impacted surface soil extends to approximately the northern side of this gravel road.

4.1 Pesticides and Herbicides

Organophorphorus pesticides were not detected at concentrations above the MRL (refer to Table 1). There was one detection of the organochlorine pesticide, dieldrin, in test pit TP13-S-0.5 however the concentration is below the Ecology Method B cancer CUL. Four samples had detections of the chlorinated herbicide compound pentachlorophenol (i.e., test pits TP01-S-0.5,

TP06-S-0.5, TP26-S-0.5, and TP30-S-0.5). These pentachlorophenol concentrations in soil are below the Ecology Method B cancer CUL.

4.2 PCBs

PCB Aroclor 1248 was detected above the MRLs (see Table 1 and Figure 6). Concentrations for Aroclor 1248 ranged from below the MRL to 118 mg/kg from soil collected at test pit TP42. Some samples were above the MTCA Method A CUL for total PCBs of 1 mg/kg for unrestricted land use and the MTCA Method A CUL of 10 mg/kg for industrial land use. The MTCA regulation states that 10 mg/kg may be used as the CUL for PCB mixtures in soil assuming all soils are capped and maintained with a cap monitoring and maintenance program. Without knowing the redevelopment plans for the Property, the conservative Method A CUL of 1 mg/kg for unrestricted land use is used to screen these soil data.

Soil samples collected at depth from multiple test pits including TP17, TP27, TP29, TP30, TP42, and TP51 showed total PCB concentrations elevated above the CULs. Aroclor 1248 impacts appear to extend to approximately 1.5 feet bgs, 6 feet bgs, 4 feet bgs, 2 feet bgs, and 2 feet bgs, respectively, at these locations. Test pits TP27 and TP29 were advanced near the eastern boundary of the Property in what appeared to be an artificially bermed area adjacent to the neighboring landfill.

Table 2 compares the presence of clarifier solids with the presence of PCBs above the Method A CUL for unrestricted land use. Out of the 53 test pits advanced, 25 locations were logged as having the presence of visible clarifier solids. Of these 25 locations, 8 locations with visible clarifier solids present had PCB concentrations below the Method A CUL for unrestricted land use. Of the 28 locations where clarifier solids was not observed, 5 locations had PCB exceedances of the Method A CUL for unrestricted land use. Observed clarifier solids and PCBs are not correlated.

4.3 Hydrocarbons

Diesel- and lube-oil-range hydrocarbons were detected in soil samples (see Table 1). Diesel-range concentrations ranged from below the MRL to 149 mg/kg, while lube-oil-range concentrations ranged from below the MRL to 855 mg/kg. The detected concentrations are below the MTCA Method A CULs of 2,000 mg/kg for unrestricted land use and the concentrations appear to decline with depth.

4.4 Metals

Total arsenic, chromium, copper, lead, nickel, and zinc were detected in the soil samples that were analyzed for metals (see Table 1). Mercury was detected in all but one soil sample. All detections for arsenic and chromium were below the MTCA Method A CULs for unrestricted land use, except for soil sample TP26-S-0.5, which had a chromium concentration of 26.2 mg/kg. The Method A CUL for hexavalent chromium is 19 mg/kg, while the CUL for trivalent chromium is 2,000 mg/kg. Ecology background concentrations calculated for Clark County show a mean chromium concentration of 22 mg/kg with a 90th percentile value of 27 mg/kg (Ecology, 1994). The

concentration of chromium is within the expected range of background concentrations in soils in the Clark County area.

Total mercury detections ranged from below the MRL to 0.114 mg/kg. These concentrations are below the mercury MTCA Method A CUL of 2 mg/kg for unrestricted land use.

Additionally, five surface soil samples were collected from test pits TP26, TP27, TP28, TP29, and TP30 located adjacent existing landfill and analyzed for iron and manganese. Analytical results for these samples analyzed for manganese included detections ranging from 88.6 mg/kg to 817 mg/kg, while iron concentrations ranged from 23,500 mg/kg to 47,400 mg/kg in soil. There is no established MTCA Method A CUL for these metals in soil; however, MTCA has established an industrial use Method B CUL of 11,200 mg/kg for manganese and 56,000 mg/kg for iron in soil.

4.5 Ammonia

Analysis for ammonia as nitrate was conducted on five surface samples from test pits adjacent to the landfill. The analytical results were below the MRL for each sample.

5 CONCEPTUAL SITE MODEL

The CSM describes potential chemical sources, release mechanisms, environmental transport processes, exposure routes, and receptors for the Property. The primary purpose of the CSM is to describe pathways by which human and ecological receptors could be exposed to site-related chemicals. A complete exposure pathway consists of four necessary elements: (1) a source and mechanism of chemical release to the environment, (2) an environmental transport medium for a released chemical, (3) a point of potential contact with the impacted medium (referred to as the exposure point), and (4) an exposure route (e.g., soil ingestion) at the exposure point. The CSM describes potential exposure scenarios based on information collected during the site assessment. Elements of potentially complete exposure scenarios relevant to human health and ecological receptors for the Property and to the IHS in soil, specifically PCB Aroclor 1248, are discussed below and are presented in Figure 7. The CSM diagram takes into account the risk screening discussed in Section 6.

5.1 Source Characterization

Based on available information, it appears that the following Property-related activity may have contributed to contamination of environmental media at the Property:

- Impacted clarifier solids placed on the Property

This potential source and release mechanism is likely to have resulted in contaminant releases to surface and subsurface soil. Groundwater was not encountered during this investigation.

As described in Section 4, the investigations have identified PCBs as the IHSs in soil for the Property. Impacts of PCBs in soil on the Property are believed to be related to clarifier solids, some of which has been removed; however, there is residual material in much of the Property (see Figure 5).

5.2 Fate and Transport of Contaminants

Contaminant releases to surface soil have the potential to migrate vertically downward to the water table. However, based on evaluation of empirical data, the contaminants at the Property do not appear likely to impact groundwater. Surface and subsurface soil contaminants may also partition to the vapor phase, potentially resulting in impacts to air quality.

According to the Agency for Toxic Substances and Disease Registry (ATSDR), PCBs have chemical and thermal stability, are non-polar, and are only slightly soluble in water making them persistent in the environment for decades (ATSDR, 2011). These characteristics make PCBs adsorb directly to soil particles which greatly inhibits transport. Based on nearby available groundwater data associated with the landfill, the shallow alluvial WBZ at the Property is approximately 25 to 40 feet bgs (SCS, 2013). Based on the chemical characteristics of PCBs and depth to shallow groundwater at the Property, it is not likely groundwater is impacted by PCBs from the Property.

5.3 Potential Soil Exposure Scenarios

The Property currently comprises three vacant tax parcels with abandoned buildings and an unused domestic well. The redevelopment plan for the Property is still to be determined but could include light industrial uses. The following are potentially current or future exposure pathways:

- Incidental ingestion of and dermal contact with PCBs in surface and/or subsurface soil.
- Inhalation of fugitive dusts generated from surface and/or subsurface soil.

5.3.1 Human Health

The Property is fenced and it currently is unlikely that the public will access the Property.

The following pathways are potentially complete for human exposure to PCB impacted soil:

Occupational workers—There are currently no workers on the Property, as it is undeveloped. However, there is the possibility for occupational workers to come in contact with chemicals in soil through incidental ingestion, dermal contact, and inhalation of impacted soil particulates.

Construction workers—There are currently no construction workers (e.g., excavation workers, trench workers) on the Property. However, construction activities would be performed as part of redevelopment. Construction workers could contact chemicals in soil through incidental ingestion, dermal contact, and inhalation of impacted soil particulates.

5.3.2 Ecological Receptors

The Property is a vacant lot, consisting of native soil and clarifier solids. Vegetation is present with sporadic weeds, plant species known for colonization of disturbed areas, trees, and shrubs. The Property provides minimal important resources to wildlife and is unlikely to attract wildlife in its current condition. Ecological receptors present may contact chemicals in soil through dermal contact and ingestion; however, the potential for ecological exposure is considered to be low given the Properties current condition.

5.4 Cleanup Standards

According to MTCA, the cleanup standards for a particular site have two primary components: chemical-specific CULs and points of compliance (POCs). The CUL is the concentration of a chemical, in a specific environmental medium that will not pose unacceptable risks to human health or the environment. The POC is the location where the CUL is evaluated.

MTCA provides three different options for establishing CULs for human health: Method A, Method B, and Method C. For Methods B and C, either the standard or the modified approach can be used. The standard method uses generic default assumptions to calculate CULs, and the modified method allows for site-specific adjustments to some assumptions when calculating CULs.

MTCA Method A is designed for cleanups at relatively simple sites, such as those that are small and that have only a few hazardous substances. Method B can be used at any site. Method C is used primarily for industrial sites.

5.4.1 Soil Cleanup Levels

The Property historically has been used for agricultural purposes and it is anticipated that it will be used for commercial or light industrial purposes in the future. Soil was screened to MTCA Method A CULs for unrestricted land use, when CULs were available.

Soil CULs for the protection of potable groundwater (leaching-to-groundwater pathway) are not recommended as potential cleanup targets for soil on the Property. Site characterization data indicate that contamination is confined to shallow soil.

5.4.1.1 Points of Compliance in Soil

The soil POC is the depth bgs at which soil CULs shall be attained. The standard POC is soil within 15 feet of the ground surface at the Property. This standard POC is applied to soil on the Property.

6 RISK EVALUATION

Soil analytical results of this and previous investigations were compared to MTCA CULs for unrestricted land use, as described in Section 5.4. IHSs were evaluated by comparing the concentrations found in soil to their respective CULs. An IHS is defined as a chemical exceeding a CUL at one or more locations. An ecological assessment is provided in Section 6.2. For reference, analytical results from the 2010 GeoDesign investigation are included in Appendix A and analytical laboratory reports from the 2014 MFA investigation are included in Appendix B. Table 1 shows 2014 data as compared to various screening criteria. Appendix C contains a data validation memorandum describing the quality and usability of these data.

6.1 Soil

Based on current and historical investigations, there are known impacts on the Property. Therefore, the following risk screening discussion focuses on CUL chemical exceedances observed in soil on the Property (see Figure 6, Appendix B, and Table 1):

- Chemical exceedances in soil include PCBs, specifically Aroclor 1248.

In summary, IHSs in soil are limited to Aroclor 1248. PCBs are present in soil above CULs at the Property (see Figure 6). Based on these data, there is the potential for construction workers or occupational workers to come in contact with impacted soil on the Property.

6.2 Terrestrial Ecological Evaluation

Under MTCA, a terrestrial ecological evaluation (TEE) is performed to determine if hazardous substances in soil pose a potential threat to the environment (WAC 173-340-7490). A site may be excluded from the TEE process if any of the criteria in WAC 173-340-7491 (1a-d) are met, as specified below:

> All soil contaminated with hazardous substances is, or will be, covered by buildings, paved roads, pavement, or other physical barriers that will prevent plants or wildlife from being exposed to the soil contamination. To qualify for this exclusion, an institutional control shall be required by the department under WAC 173-340-440. An exclusion based on planned future land use shall include a completion date for such future development that is acceptable to the department. (WAC 173-340-7491 (1b))

The Property may qualify for a TEE exclusion based on the reuse plan for the Property.

6.3 Summary

In general, concentrations of IHSs in soil are in surface soils. IHSs at the Property and are generally within 2 feet to 3 feet bgs.

7 FOCUSED CLEANUP ACTION EVALUATION

This section summarizes remedial alternatives for addressing the contamination identified at the Property. These alternatives are not all-inclusive, but represent the potential cleanup scenarios and encompass a range of remedial actions that may integrate with redevelopment plans. There is no current redevelopment strategy. Current zoning of the Property is light industrial (IL) and a similar use is assumed.

The cleanup alternatives address soil on the Property impacted by PCBs. PCB impacts were observed at the Property in surface soils generally 2 feet to 3 feet bgs.

7.1 Alternative 1: Excavation and Off-Site Disposal of Contaminated Soil

Alternative 1 includes excavation and off-site disposal at an appropriate landfill of soil that exceeds MTCA CULs. The remedial action components are summarized in Table 3.

- Excavation. The lateral extent of PCB contamination, shown in Figure 6, will be excavated to a depth of 2 feet to 3 feet. Characterization samples will be collected from soil stockpiles for waste profiling. The excavation volume is estimated to be approximately 46,286 cubic yards. For the purpose of estimating costs, and based on existing data, it is assumed that all material will be classified as nonhazardous and disposed of at a Resource Conservation and Recovery Act (RCRA) Subtitle D permitted landfill.
- Backfill/grading. The site will be backfilled with clean, imported fill to the recommended ground surface elevation for stormwater management and redevelopment. Finished grade is to be constructed of a crushed gravel surface to stabilize and prevent soil erosion.
- Institutional controls. No institutional controls are warranted.
- Estimated cost. The estimated cost for alternative 1 is $3,349,900 (including 20 percent contingency). Details are presented in Table 3.

7.2 Alternative 2: Capping of Contaminated Soils

Alternative 2 is summarized in Table 4. Alternative 2 grades and caps the entire site to provide a barrier from PCB contaminated soil. The remedial action includes:

- Grading and capping. The existing grade may be modified to allow for stormwater drainage. Contaminants in soil that are left in place will be capped with a minimum 2 foot of clean soil and demarcation layer (e.g., landscape area), asphalt surface (e.g.,

parking lot), and concrete surface (e.g., walkway). The cap will apply to the entire Property. Clean soil will be imported and placed on top of a demarcation fabric, delineating the contaminated soil from clean cap material for future site workers.

- Institutional controls. A soil management plan will be developed and an environmental covenant placed on the Property to protect the engineered cap. The soil management plan will describe the nature and locations of contaminated soil that is left in place, discuss potential worker safety considerations, and identify the type of demarcation fabric that is placed for future site activities that involve penetration of the soil cap. In addition, a cap inspection plan will be implemented to provide annual inspections to ensure that the demarcation material is not visible in any area of the Property.

- Estimated cost. The estimated cost for alternative 2 is $1,039,500 (including 20 percent contingency). Details are presented in Table 4.

7.3 Alternative 3: Targeted Excavation and Capping of Contaminated Soils

Alternative 3 is summarized in Table 5 and includes targeted soil excavation with off-site disposal, and capping of the Property integrated with the assumption that a light industrial use may require buildings and associated parking areas. This alternative is based on a redevelopment scenario where approximately 1/3 (approximately 3 acres) of the Property would be fully cleaned up to create an unencumbered property that fronts on 94th Avenue. The remedial action includes:

- Targeted soil removal. Excavate areas necessary to provide adequate cap cover based on the final site grade. The excavation volume is estimated to be 15,413 cubic yards. For cost estimating purposes, it is assumed that the soil may be disposed of at a RCRA Subtitle D landfill.

- Soil consolidation. If final site grade allows, soil excavated during redevelopment may be consolidated on site beneath the cap. For conservative cost estimating, it is assumed that all excavated material will require off-site disposal.

- Capping. Contaminants in soil that are left in place will be capped with a minimum 2 foot of clean soil and demarcation layer (e.g., landscape area), asphalt surface (e.g., parking lot), and concrete surface (e.g., walkway), or located within the footprint of a building. The cap will apply to the entire Property. Clean soil will be imported and placed on top of a demarcation fabric, delineating the contaminated soil from clean cap material for future site workers.

- Institutional controls. A soil management plan will be developed and an environmental covenant placed on the Property to protect the engineered cap. The soil management plan will describe the nature and locations of contaminated soil that is left in place, discuss potential worker safety considerations, and identify the type of demarcation fabric that is placed for future site activities that involve penetration of the soil cap.

In addition, a cap inspection plan will be implemented to provide annual inspections to ensure that the demarcation material is not visible in any area of the Property.

- Estimated cost. The estimated cost for alternative 3 is $1,842,300 (including 20 percent contingency). Details are presented in Table 5.

7.4 Cleanup Alternative Evaluation Requirements

7.4.1 MTCA Threshold Requirements

While no ultimate cleanup action is selected in this report, upon selection of a redevelopment scenario a cleanup action plan (CAP) will be needed. Cleanup actions are subject to the threshold requirements set forth in WAC 173-340-360 (2)(a). Under the threshold requirements, the cleanup action shall:

- Protect human health and the environment.
- Comply with cleanup standards.
- Comply with applicable state and federal laws.
- Provide for compliance monitoring.

7.4.1.1 Protect Human Health and Environment and Comply with Cleanup Standards

The three alternatives reduce or eliminate risk due to contaminated soil through removal or a combination of removal, consolidation, and capping. Therefore, they would eliminate exposure pathways and protect human health and the environment and would comply with cleanup standards.

7.4.1.2 Comply with Applicable State and Federal Laws

The selected CULs are consistent with MTCA. Additionally, local, state, and federal laws related to environmental protection, health and safety, transportation, and disposal apply to the proposed alternatives. During remedial design, the selected alternative can be implemented to comply with applicable, relevant, and appropriate requirements. Any eventual CAP will need to ensure any applicable state and federal regulations will be specified and used as a compliance guide during implementation.

7.4.1.3 Provide for Compliance Monitoring

There are three types of compliance monitoring: protection, performance, and conformational. Protection monitoring is intended to protect human health and the environment during the construction and operation and maintenance phases of a cleanup action. Performance monitoring is used to evaluate if the cleanup action has met cleanup and/or performance standards. Conformational monitoring is used to evaluate the long-term effectiveness of the cleanup action once cleanup standards have been met or other performance standards have been attained. The cleanup alternatives can be implemented to meet this provision.

7.5 Evaluation of Site Cleanup Alternatives

MTCA states that when selecting a cleanup alternative, preference shall be given to "permanent solutions to the maximum extent practicable." "Permanent" is defined in WAC 173-340-200 as a cleanup action in which the cleanup standards of WAC 173-340-700 through 760 are met without further action being required at the site being cleaned up or at any other site involved with the cleanup action, other than the approved disposal of any residue from the treatment of hazardous substances.

In order to determine the "maximum extent practicable" for each alternative, a disproportionate-cost analysis outlined in WAC 173-340-360(3)(e) is used. Costs are determined to be disproportionate to benefits if the incremental cost of a more expensive alternative over that of a lower-cost alternative exceeds the incremental degree of benefits achieved by the more expensive alternative. Consistent with WAC 173-340-360(3)(f), the evaluation criteria used were a mix of qualitative and quantitative factors, including protectiveness, permanence, effectiveness over the long term, management of short-term risks, technical and administrative implementability, and consideration of public concerns.

The cleanup alternatives are evaluated by the criteria below.

7.5.1 Protectiveness

Protectiveness is a factor by which human health and the environment are protected by the cleanup action, including the degree to which existing risks are reduced; time required to reduce risk at the facility and attain cleanup standards; on-site and off-site risks resulting from implementing the cleanup action alternative; and improvement of the overall environmental quality. The three alternatives are equally protective, preventing human and ecological exposure by removing soils exceeding CULs from the Property or capping them in place.

7.5.2 Permanence

Permanence is a factor by which the cleanup action alternative permanently reduces the toxicity, mobility, or volume of hazardous substances. It takes into account the adequacy of the alternative in destroying the hazardous substances, the reduction or elimination of hazardous-substance releases and sources of releases, the degree of irreversibility of the waste-treatment process, and the characteristics and quantity of treatment residuals generated. Removal of impacted soil would be considered the most permanent soil action because it permanently eliminates the source of releases at the Property. Alternatives that include less soil removal would be less permanent because they would rely on institutional controls, which could be violated or removed from the Property in the future. Therefore, alternative 1 would be ranked higher for permanence than alternatives 2 or 3.

7.5.3 Effectiveness over Long Term

Long-term effectiveness includes the degree of certainty that the alternative will be successful; the reliability of the alternative for the expected duration of hazardous substances remaining on site at

concentrations that exceed CULs; the magnitude of residual risk with the alternative in place; and the effectiveness of controls required to manage treatment residues or remaining wastes. Long-term effectiveness of alternative 1 would be considered slightly higher than for alternative 2 or 3, since it removes contaminated soil above MTCA criteria.

7.5.4 Management of Short-Term Risks

Short-term risks to remediation workers, the public, and the environment are assessed under this criterion. Generally, short-term risks are expected to be linearly related to the amount of material handled, treated, and/or transported and disposed of (e.g., worker injury per cubic yard excavated [equipment failure], public exposure per cubic yard-mile transported [highway accident]).

This factor addresses the risk to human health and the environment associated with the alternative during construction and implementation, and the effectiveness of measures that will be taken to manage such risks. Potential public exposure during transport, handling, and excavation required for the alternatives could lead to short-term risks. Alternative 3 requires less off-site transportation and handling of impacted soil and so would involve lower short-term risks; it is therefore ranked higher than alternative 1. Alternative 2 would rank the highest as no off-site transportation is needed.

7.5.5 Technical and Administrative Implementability

This factor addresses whether the alternative can be implemented and is technically possible. The availability of necessary materials, regulatory requirements, scheduling, access for construction operations and monitoring, and integration with existing and neighboring site uses must be considered. The proposed alternatives have been employed at many sites throughout the United States, so the alternatives are readily implementable and rank equivalently.

7.5.6 Public Concerns

This factor includes considering concerns from individuals, community groups, local governments, tribes, federal and state agencies, and any other organization that may have an interest in or knowledge of the Property and that may have a preferred alternative. The County hosted a public open house on April 29, 2014 to give local residents and the general public information pertaining to the redevelopment plan for the adjacent landfill properties. During this open house information pertaining to the County's interest in investigation and possible acquisition of the Property for redevelopment was released to the public. No concerns were voiced at that time. No remedial options were presented at that time. Future public meetings will be held pertaining to the landfill planning process at which point additional information pertaining to the Property and other adjacent properties may be conveyed.

The alternatives can provide opportunity for further public review of and comment on the plans.

7.5.7 Disproportionate-Cost Analysis

In accordance with WAC 173-340-360(3)(e), the most practicable permanent solution evaluated will be the baseline cleanup action alternative to which the other cleanup action alternatives are compared. On this basis, alternative 1 is the baseline alternative for this analysis. Table 6 summarizes the comparative analysis. Each alternative was given a rating between 1 and 5 (5 being optimal, 1 being inadequate). Where there were only slight differences, fractional ratings were applied.

Based on these criteria, alternatives 1, 2, and 3 have close ratings, ranging from 4.4 to 4.8, respectively (see Table 6). Evaluating the above factors with the estimated cost for each alternative and a relative increased benefit, alternative 1 is preferred by 8 percent; however, the cost of alternative 1 is nearly three and one half times the cost of alternative 2.

LIMITATIONS

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed 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.

The purpose of an environmental assessment is to reasonably evaluate the potential for or actual impact of past practices on a given site area. In performing an environmental assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to exclude the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not, therefore, be construed as a guarantee of the absence of such materials on the site.

Environmental conditions that cannot be identified by visual observation may exist at the site. Where subsurface work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

Except where there is express concern of our client, or where specific environmental contaminants have been previously reported by others, naturally occurring toxic substances, potential environmental contaminants inside buildings, or contaminant concentrations that are not of current environmental concern may not be reflected in this document.

The purpose of a geology/hydrogeology study is to reasonably characterize existing site conditions based on the geology/hydrogeology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to describe all geologic/hydrogeologic conditions of interest at a given site. If conditions have not been identified during the study, such a finding should not, therefore, be construed as a guarantee of the absence of such conditions at the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether they occur naturally or are caused by external forces. We

assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Geologic/hydrogeologic conditions that cannot be identified solely by visual observation may exist at the site. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations. These data may not represent actual conditions at unsampled locations.

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TABLES

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP01	TP02		TP03	TP04		TP05		TP06	
			Sample Name:	TP01-S-0.5	TP02-S-0.5	TP02-S-2.0	TP03-S-0.5	TP04-S-0.25	TP04-S-1.0	TP05-S-0.5	TP05-S-1.5	TP06-S-0.5	TP06-S-2.0
			Collection Date:	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014
			Collection Depth (ft bgs):	0.5	0.5	2	0.5	0.25	1	0.5	1.5	0.5	2
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil										
Metals (mg/kg)													
Arsenic	20	20	NA	--	**2.57**	--	**2.95**	**3.09**	--	--	--	**2.05**	--
Chromium[a]	2000	2000	NA	--	**14.8**	--	**9.98**	**14.1**	--	--	--	**16**	--
Copper	NV	NV	3200	--	**35.7**	--	**29.7**	**43.2**	--	--	--	**44.4**	--
Iron	NV	NV	56000	--	--	--	--	--	--	--	--	--	--
Lead	250	1000	NA	--	**38.8**	--	**7.71**	**53.6**	--	--	--	**45.9**	--
Manganese	NV	NV	11200	--	--	--	--	--	--	--	--	--	--
Mercury	2	2	NA	--	**0.0341**	--	0.0192 U	**0.0631**	--	--	--	**0.0485**	--
Nickel	NV	NV	1600	--	**16.3**	--	**10.1**	**12.6**	--	--	--	**11.4**	--
Zinc	NV	NV	24000	--	**601**	--	**78.5**	**836**	--	--	--	**2380**	--
PCBs (mg/kg)													
Aroclor 1016	NV	NV	5.6	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Aroclor 1221	NV	NV	NV	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Aroclor 1232	NV	NV	NV	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Aroclor 1242	NV	NV	NV	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Aroclor 1248	NV	NV	NV	**0.389** J	**32.4**	**0.185**	0.000406 U	**6.13**	**0.0667**	**38** J	**0.0458**	**48.3**	**0.114**
Aroclor 1254	NV	NV	0.5	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Aroclor 1260	NV	NV	0.5	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Aroclor 1262	NV	NV	NV	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Aroclor 1268	NV	NV	NV	0.0004 U	0.000363 U	0.000377 U	0.000406 U	0.000397 U	0.000427 U	0.000389 U	0.000406 U	0.000379 U	0.00038 U
Total PCBs	1	10	NA	**0.389** J	**32.4**	**0.185**	0.000406 U	**6.13**	**0.0667**	**38** J	**0.0458**	**48.3**	**0.114**
Chlorinated Herbicides (mg/kg)													
2,4,5-T	NV	NV	800	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
2,4-D	NV	NV	800	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
2,4-DB	NV	NV	640	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
4-Nitrophenol	NV	NV	NV	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
Dicamba	NV	NV	2400	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
Dichlorprop	NV	NV	NV	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
Dinoseb	NV	NV	80	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
MCPA	NV	NV	40	0.801 U	0.726 U	--	0.813 U	--	0.856 U	0.779 U	--	0.759 U	--

			Location:	TP01	TP02		TP03	TP04		TP05		TP06	
			Sample Name:	TP01-S-0.5	TP02-S-0.5	TP02-S-2.0	TP03-S-0.5	TP04-S-0.25	TP04-S-1.0	TP05-S-0.5	TP05-S-1.5	TP06-S-0.5	TP06-S-2.0
			Collection Date:	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014
			Collection Depth (ft bgs):	0.5	0.5	2	0.5	0.25	1	0.5	1.5	0.5	2
MCPP	NV	NV	80	0.801 U	0.726 U	--	0.813 U	--	0.856 U	0.779 U	--	0.759 U	--
Pentachlorophenol	NV	NV	2.5	**0.0191**	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	**0.0144**	--
Silvex	NV	NV	640	0.00801 U	0.00726 U	--	0.00813 U	--	0.00856 U	0.00779 U	--	0.00759 U	--
Organophosphorus Pesticides (mg/kg)													
Bladan	NV	NV	NV	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Coumaphos	NV	NV	NV	0.12 U	0.109 U	--	0.122 U	--	0.128 U	0.117 U	--	0.114 U	--
Demeton-S	NV	NV	NV	0.0601 U	0.0545 U	--	0.061 U	--	0.0642 U	0.0584 U	--	0.0569 U	--
Diazinon	NV	NV	56	0.0601 U	0.0545 U	--	0.061 U	--	0.0642 U	0.0584 U	--	0.0569 U	--
Dichlorvos	NV	NV	3.45	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Dimethoate	NV	NV	16	0.0601 U	0.0545 U	--	0.061 U	--	0.0642 U	0.0584 U	--	0.0569 U	--
Disulfoton	NV	NV	3.2	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Dursban	NV	NV	80	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Ethoprop	NV	NV	NV	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Fensulfothion	NV	NV	NV	0.12 U	0.109 U	--	0.122 U	--	0.128 U	0.117 U	--	0.114 U	--
Fenthion	NV	NV	NV	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Guthion	NV	NV	NV	0.3 U	0.272 U	--	0.305 U	--	0.321 U	0.292 U	--	0.285 U	--
Merphos oxide	NV	NV	2.4	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Methyl parathion	NV	NV	20	0.12 U	0.109 U	--	0.122 U	--	0.128 U	0.117 U	--	0.114 U	--
Mevinphos	NV	NV	NV	0.12 U	0.109 U	--	0.122 U	--	0.128 U	0.117 U	--	0.114 U	--
Naled	NV	NV	160	0.3 U	0.272 U	--	0.305 U	--	0.321 U	0.292 U	--	0.285 U	--
Parathion	NV	NV	480	0.0601 U	0.0545 U	--	0.061 U	--	0.0642 U	0.0584 U	--	0.0569 U	--
Phorate	NV	NV	16	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Ronnel	NV	NV	4000	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Santox	NV	NV	0.8	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Stirofos	NV	NV	41.7	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Sulfotepp	NV	NV	40	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Sulprofos	NV	NV	NV	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Sumitox	NV	NV	1600	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Tokuthion	NV	NV	NV	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--
Trichloronate	NV	NV	NV	0.024 U	0.0218 U	--	0.0244 U	--	0.0257 U	0.0234 U	--	0.0228 U	--

			Location:	TP01	TP02		TP03	TP04		TP05		TP06	
			Sample Name:	TP01-S-0.5	TP02-S-0.5	TP02-S-2.0	TP03-S-0.5	TP04-S-0.25	TP04-S-1.0	TP05-S-0.5	TP05-S-1.5	TP06-S-0.5	TP06-S-2.0
			Collection Date:	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014
			Collection Depth (ft bgs):	0.5	0.5	2	0.5	0.25	1	0.5	1.5	0.5	2
Organochlorine Pesticides (mg/kg)													
4,4'-DDD	NV	NV	4.17	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
4,4'-DDE	NV	NV	2.94	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
4,4'-DDT	3	4	NA	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Aldrin	NV	NV	0.059	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
alpha-BHC	NV	NV	0.159	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
alpha-Chlordane	NV	NV	2.86	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
beta-BHC	NV	NV	NV	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Chlordane	NV	NV	2.86	0.00801 UJ	0.00726 UJ	--	0.00813 UJ	--	0.00856 UJ	0.00779 UJ	--	0.00759 UJ	--
delta-BHC	NV	NV	NV	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Dieldrin	NV	NV	0.063	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Endosulfan I	NV	NV	480	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Endosulfan II	NV	NV	480	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Endosulfan sulfate	NV	NV	NV	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Endrin	NV	NV	24	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Endrin aldehyde	NV	NV	NV	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Endrin ketone	NV	NV	NV	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Gamma-Chlordane	NV	NV	2.86	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Heptachlor	NV	NV	0.222	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Heptachlor epoxide	NV	NV	0.11	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Lindane	0.01	0.01	NA	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Methoxychlor	NV	NV	400	0.0004 UJ	0.000363 UJ	--	0.000407 UJ	--	0.000428 UJ	0.00039 UJ	--	0.000379 UJ	--
Toxaphene	NV	NV	0.909	0.00801 UJ	0.00726 UJ	--	0.00813 UJ	--	0.00856 UJ	0.00779 UJ	--	0.00759 UJ	--
TPH (mg/kg)													
Diesel	2000	2000	NA	--	**138** J	--	18.3 U	**85.7** J	--	--	--	**111** J	--
Lube Oil	2000	2000	NA	--	**855**	--	**67** J	**659** J	--	--	--	**386** J	--
Ammonia (mg/kg)													
Nitrogen, Ammonia as N	NV	NV	NV	--	--	--	--	--	--	--	--	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP07		TP08	TP09		TP10			TP11	
			Sample Name:	TP07-S-0.25	TP07-S-1.0	TP08-S-0.5	TP09-S-0.5	TP09-S-4.5	TP10-S-0.5	TP-S-0.5DUP	TP10-S-1.5	TP11-S-0.5	TP11-S-4.5
			Collection Date:	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014
			Collection Depth (ft bgs):	0.25	1	0.5	0.5	4.5	0.5	0.5	1.5	0.5	4.5
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil										
Metals (mg/kg)													
Arsenic	20	20	NA	**3.9**	--	**2.51**	--	--	**2.96**	**2.74**	--	--	--
Chromium[a]	2000	2000	NA	**13.8**	--	**9.87**	--	--	**14.3**	**14.4**	--	--	--
Copper	NV	NV	3200	**40.1**	--	**28.3**	--	--	**38.1**	**45.3**	--	--	--
Iron	NV	NV	56000	--	--	--	--	--	--	--	--	--	--
Lead	250	1000	NA	**56.3**	--	**15.4**	--	--	**39.3**	**34.8**	--	--	--
Manganese	NV	NV	11200	--	--	--	--	--	--	--	--	--	--
Mercury	2	2	NA	**0.075**	--	**0.0277**	--	--	**0.055**	**0.0608**	--	--	--
Nickel	NV	NV	1600	**20.2**	--	**10.4**	--	--	**20.4**	**11.3**	--	--	--
Zinc	NV	NV	24000	**238**	--	**83.8**	--	--	**1030**	**1340**	--	--	--
PCBs (mg/kg)													
Aroclor 1016	NV	NV	5.6	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Aroclor 1221	NV	NV	NV	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Aroclor 1232	NV	NV	NV	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Aroclor 1242	NV	NV	NV	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Aroclor 1248	NV	NV	NV	**1.26** J	**0.045**	**0.0822**	**0.997**	0.000366 U	**68.5**	**53.2**	**0.0343**	**5.66**	0.000374 U
Aroclor 1254	NV	NV	0.5	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Aroclor 1260	NV	NV	0.5	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Aroclor 1262	NV	NV	NV	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Aroclor 1268	NV	NV	NV	0.000361 U	0.000406 U	0.00038 U	0.00043 U	0.000366 U	0.000399 U	0.000399 U	0.000404 U	0.000391 U	0.000374 U
Total PCBs	1	10	NA	**1.26** J	**0.045**	**0.0822**	**0.997**	0.000366 U	**68.5**	**53.2**	**0.0343**	**5.66**	0.000374 U
Chlorinated Herbicides (mg/kg)													
2,4,5-T	NV	NV	800	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
2,4-D	NV	NV	800	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
2,4-DB	NV	NV	640	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
4-Nitrophenol	NV	NV	NV	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
Dicamba	NV	NV	2400	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
Dichlorprop	NV	NV	NV	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
Dinoseb	NV	NV	80	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
MCPA	NV	NV	40	--	0.814 U	0.76 U	0.861 U	--	--	--	0.809 U	0.782 U	--

			Location:	TP07		TP08	TP09		TP10			TP11	
			Sample Name:	TP07-S-0.25	TP07-S-1.0	TP08-S-0.5	TP09-S-0.5	TP09-S-4.5	TP10-S-0.5	TP-S-0.5DUP	TP10-S-1.5	TP11-S-0.5	TP11-S-4.5
			Collection Date:	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014
			Collection Depth (ft bgs):	0.25	1	0.5	0.5	4.5	0.5	0.5	1.5	0.5	4.5
MCPP	NV	NV	80	--	0.814 U	0.76 U	0.861 U	--	--	--	0.809 U	0.782 U	--
Pentachlorophenol	NV	NV	2.5	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
Silvex	NV	NV	640	--	0.00814 U	0.0076 U	0.00861 U	--	--	--	0.00809 U	0.00782 U	--
Organophosphorus Pesticides (mg/kg)													
Bladan	NV	NV	NV	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Coumaphos	NV	NV	NV	--	0.122 U	0.114 U	0.129 U	--	--	--	0.121 U	0.117 U	--
Demeton-S	NV	NV	NV	--	0.061 U	0.057 U	0.0646 U	--	--	--	0.0607 U	0.0586 U	--
Diazinon	NV	NV	56	--	0.061 U	0.057 U	0.0646 U	--	--	--	0.0607 U	0.0586 U	--
Dichlorvos	NV	NV	3.45	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Dimethoate	NV	NV	16	--	0.061 U	0.057 U	0.0646 U	--	--	--	0.0607 U	0.0586 U	--
Disulfoton	NV	NV	3.2	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Dursban	NV	NV	80	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Ethoprop	NV	NV	NV	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Fensulfothion	NV	NV	NV	--	0.122 U	0.114 U	0.129 U	--	--	--	0.121 U	0.117 U	--
Fenthion	NV	NV	NV	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Guthion	NV	NV	NV	--	0.305 U	0.285 U	0.323 U	--	--	--	0.303 U	0.293 U	--
Merphos oxide	NV	NV	2.4	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Methyl parathion	NV	NV	20	--	0.122 U	0.114 U	0.129 U	--	--	--	0.121 U	0.117 U	--
Mevinphos	NV	NV	NV	--	0.122 U	0.114 U	0.129 U	--	--	--	0.121 U	0.117 U	--
Naled	NV	NV	160	--	0.305 U	0.285 U	0.323 U	--	--	--	0.303 U	0.293 U	--
Parathion	NV	NV	480	--	0.061 U	0.057 U	0.0646 U	--	--	--	0.0607 U	0.0586 U	--
Phorate	NV	NV	16	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Ronnel	NV	NV	4000	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Santox	NV	NV	0.8	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Stirofos	NV	NV	41.7	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Sulfotepp	NV	NV	40	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Sulprofos	NV	NV	NV	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Sumitox	NV	NV	1600	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Tokuthion	NV	NV	NV	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--
Trichloronate	NV	NV	NV	--	0.0244 U	0.0228 U	0.0258 U	--	--	--	0.0243 U	0.0235 U	--

			Location:	TP07		TP08	TP09		TP10			TP11	
			Sample Name:	TP07-S-0.25	TP07-S-1.0	TP08-S-0.5	TP09-S-0.5	TP09-S-4.5	TP10-S-0.5	TP-S-0.5DUP	TP10-S-1.5	TP11-S-0.5	TP11-S-4.5
			Collection Date:	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014	7/15/2014
			Collection Depth (ft bgs):	0.25	1	0.5	0.5	4.5	0.5	0.5	1.5	0.5	4.5
Organochlorine Pesticides (mg/kg)													
4,4'-DDD	NV	NV	4.17	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
4,4'-DDE	NV	NV	2.94	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
4,4'-DDT	3	4	NA	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Aldrin	NV	NV	0.059	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
alpha-BHC	NV	NV	0.159	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
alpha-Chlordane	NV	NV	2.86	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
beta-BHC	NV	NV	NV	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Chlordane	NV	NV	2.86	--	0.00814 UJ	0.0076 UJ	0.00861 UJ	--	--	--	0.00809 UJ	0.00782 UJ	--
delta-BHC	NV	NV	NV	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Dieldrin	NV	NV	0.063	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Endosulfan I	NV	NV	480	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Endosulfan II	NV	NV	480	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Endosulfan sulfate	NV	NV	NV	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Endrin	NV	NV	24	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Endrin aldehyde	NV	NV	NV	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Endrin ketone	NV	NV	NV	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Gamma-Chlordane	NV	NV	2.86	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Heptachlor	NV	NV	0.222	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Heptachlor epoxide	NV	NV	0.11	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Lindane	0.01	0.01	NA	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Methoxychlor	NV	NV	400	--	0.000407 UJ	0.00038 UJ	0.00043 UJ	--	--	--	0.000405 UJ	0.000391 UJ	--
Toxaphene	NV	NV	0.909	--	0.00814 UJ	0.0076 UJ	0.00861 UJ	--	--	--	0.00809 UJ	0.00782 UJ	--
TPH (mg/kg)													
Diesel	2000	2000	NA	**149** J	--	**52.3**	--	--	**98.8** J	**78.2** J	--	--	--
Lube Oil	2000	2000	NA	**825** J	--	**405** J	--	--	**359** J	**232** J	--	--	--
Ammonia (mg/kg)													
Nitrogen, Ammonia as N	NV	NV	NV	--	--	--	--	--	--	--	--	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP12	TP13			TP14		TP15		
			Sample Name:	TP12-S-0.5	TP13-S-0.5	TP13-S-1.5	TP13-S-5.5	TP14-S-0.5	TP14-S-4.5	TP15-S-0.5	TP15-S-1.75	TP15-S-6.0
			Collection Date:	7/15/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	1.5	5.5	0.5	4.5	0.5	1.75	6
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil									
Metals (mg/kg)												
Arsenic	20	20	NA	**2.61**	--	**3.95**	--	--	--	--	**2.67**	--
Chromium[a]	2000	2000	NA	**12.1**	--	**16**	--	--	--	--	**15.7**	--
Copper	NV	NV	3200	**30.7**	--	**41.5**	--	--	--	--	**28.8**	--
Iron	NV	NV	56000	--	--	--	--	--	--	--	--	--
Lead	250	1000	NA	**8.65**	--	**52.5**	--	--	--	--	**33.3**	--
Manganese	NV	NV	11200	--	--	--	--	--	--	--	--	--
Mercury	2	2	NA	**0.0235**	--	**0.0899**	--	--	--	--	**0.0877**	--
Nickel	NV	NV	1600	**11.5**	--	**14.6**	--	--	--	--	**9.86**	--
Zinc	NV	NV	24000	**89.9**	--	**893**	--	--	--	--	**1320**	--
PCBs (mg/kg)												
Aroclor 1016	NV	NV	5.6	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Aroclor 1221	NV	NV	NV	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Aroclor 1232	NV	NV	NV	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Aroclor 1242	NV	NV	NV	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Aroclor 1248	NV	NV	NV	**0.493**	0.000399 U	**11.2** J	**0.124**	**13.9** J	**0.0256**	**0.108**	**39.2**	**0.0871**
Aroclor 1254	NV	NV	0.5	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Aroclor 1260	NV	NV	0.5	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Aroclor 1262	NV	NV	NV	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Aroclor 1268	NV	NV	NV	0.000396 U	0.000399 U	0.000421 U	0.00037 U	0.000412 U	0.00037 U	0.000397 U	0.00042 U	0.000373 U
Total PCBs	1	10	NA	**0.493**	0.000399 U	**11.2** J	**0.124**	**13.9** J	**0.0256**	**0.108**	**39.2**	**0.0871**
Chlorinated Herbicides (mg/kg)												
2,4,5-T	NV	NV	800	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
2,4-D	NV	NV	800	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
2,4-DB	NV	NV	640	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
4-Nitrophenol	NV	NV	NV	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
Dicamba	NV	NV	2400	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
Dichlorprop	NV	NV	NV	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
Dinoseb	NV	NV	80	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
MCPA	NV	NV	40	0.792 U	0.799 U	--	--	0.824 U	--	--	0.841 U	--

			Location:	TP12	TP13			TP14		TP15		
			Sample Name:	TP12-S-0.5	TP13-S-0.5	TP13-S-1.5	TP13-S-5.5	TP14-S-0.5	TP14-S-4.5	TP15-S-0.5	TP15-S-1.75	TP15-S-6.0
			Collection Date:	7/15/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	1.5	5.5	0.5	4.5	0.5	1.75	6
MCPP	NV	NV	80	0.792 U	0.799 U	--	--	0.824 U	--	--	0.841 U	--
Pentachlorophenol	NV	NV	2.5	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
Silvex	NV	NV	640	0.00792 U	0.00799 U	--	--	0.00824 U	--	--	0.00841 U	--
Organophosphorus Pesticides (mg/kg)												
Bladan	NV	NV	NV	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Coumaphos	NV	NV	NV	0.119 U	0.12 U	--	--	0.124 U	--	--	0.126 U	--
Demeton-S	NV	NV	NV	0.0594 U	0.0599 U	--	--	0.0618 U	--	--	0.0631 U	--
Diazinon	NV	NV	56	0.0594 U	0.0599 U	--	--	0.0618 U	--	--	0.0631 U	--
Dichlorvos	NV	NV	3.45	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Dimethoate	NV	NV	16	0.0594 U	0.0599 U	--	--	0.0618 U	--	--	0.0631 U	--
Disulfoton	NV	NV	3.2	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Dursban	NV	NV	80	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Ethoprop	NV	NV	NV	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Fensulfothion	NV	NV	NV	0.119 U	0.12 U	--	--	0.124 U	--	--	0.126 U	--
Fenthion	NV	NV	NV	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Guthion	NV	NV	NV	0.297 U	0.3 U	--	--	0.309 U	--	--	0.315 U	--
Merphos oxide	NV	NV	2.4	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Methyl parathion	NV	NV	20	0.119 U	0.12 U	--	--	0.124 U	--	--	0.126 U	--
Mevinphos	NV	NV	NV	0.119 U	0.12 U	--	--	0.124 U	--	--	0.126 U	--
Naled	NV	NV	160	0.297 U	0.3 U	--	--	0.309 U	--	--	0.315 U	--
Parathion	NV	NV	480	0.0594 U	0.0599 U	--	--	0.0618 U	--	--	0.0631 U	--
Phorate	NV	NV	16	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Ronnel	NV	NV	4000	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Santox	NV	NV	0.8	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Stirofos	NV	NV	41.7	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Sulfotepp	NV	NV	40	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Sulprofos	NV	NV	NV	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Sumitox	NV	NV	1600	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Tokuthion	NV	NV	NV	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--
Trichloronate	NV	NV	NV	0.0238 U	0.024 U	--	--	0.0247 U	--	--	0.0252 U	--

			Location:	TP12	TP13			TP14		TP15		
			Sample Name:	TP12-S-0.5	TP13-S-0.5	TP13-S-1.5	TP13-S-5.5	TP14-S-0.5	TP14-S-4.5	TP15-S-0.5	TP15-S-1.75	TP15-S-6.0
			Collection Date:	7/15/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	1.5	5.5	0.5	4.5	0.5	1.75	6
Organochlorine Pesticides (mg/kg)												
4,4'-DDD	NV	NV	4.17	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
4,4'-DDE	NV	NV	2.94	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
4,4'-DDT	3	4	NA	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Aldrin	NV	NV	0.059	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
alpha-BHC	NV	NV	0.159	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
alpha-Chlordane	NV	NV	2.86	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
beta-BHC	NV	NV	NV	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Chlordane	NV	NV	2.86	0.00792 UJ	0.00799 UJ	--	--	0.00824 UJ	--	--	0.00841 UJ	--
delta-BHC	NV	NV	NV	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Dieldrin	NV	NV	0.063	0.000396 UJ	**0.00241** J	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Endosulfan I	NV	NV	480	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Endosulfan II	NV	NV	480	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Endosulfan sulfate	NV	NV	NV	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Endrin	NV	NV	24	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Endrin aldehyde	NV	NV	NV	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Endrin ketone	NV	NV	NV	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Gamma-Chlordane	NV	NV	2.86	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Heptachlor	NV	NV	0.222	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Heptachlor epoxide	NV	NV	0.11	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Lindane	0.01	0.01	NA	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Methoxychlor	NV	NV	400	0.000396 UJ	0.000399 UJ	--	--	0.000412 UJ	--	--	0.00042 UJ	--
Toxaphene	NV	NV	0.909	0.00792 UJ	0.00799 UJ	--	--	0.00824 UJ	--	--	0.00841 UJ	--
TPH (mg/kg)												
Diesel	2000	2000	NA	17.8 U	--	**25.8** J	--	--	--	--	**65.7** J	--
Lube Oil	2000	2000	NA	**85.2** J	--	**91.7** J	--	--	--	--	**201** J	--
Ammonia (mg/kg)												
Nitrogen, Ammonia as N	NV	NV	NV	--	--	--	--	--	--	--	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP16	TP17			TP18	TP19	TP20	TP21	
			Sample Name:	TP16-S-0.5	TP17-S-0.5	TP17-S-1.25	TP17-S-4.5	TP18-S-0.5	TP19-S-0.5	TP20-S-0.5	TP21-S-0.5	TP21-S-5.0
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	1.25	4.5	0.5	0.5	0.5	0.5	5
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil									
Metals (mg/kg)												
Arsenic	20	20	NA	**3.62**	--	**2.48**	--	**2.5**	--	**2.07**	**4.9**	--
Chromium[a]	2000	2000	NA	**15.6**	--	**12.8**	--	**11.9**	--	**12.7**	**15.3**	--
Copper	NV	NV	3200	**33.2**	--	**29.3**	--	**27.5**	--	**24.3**	**28.8**	--
Iron	NV	NV	56000	--	--	--	--	--	--	--	--	--
Lead	250	1000	NA	**8.1**	--	**38.1**	--	**6.98**	--	**6.14**	**18.5**	--
Manganese	NV	NV	11200	--	--	--	--	--	--	--	--	--
Mercury	2	2	NA	0.0214 U	--	**0.067**	--	**0.0286**	--	0.0186 U	**0.0304**	--
Nickel	NV	NV	1600	**18.8**	--	**7.71**	--	**7.42**	--	**19.4**	**13.8**	--
Zinc	NV	NV	24000	**5010**	--	**694**	--	**1250**	--	**348**	**2700**	--
PCBs (mg/kg)												
Aroclor 1016	NV	NV	5.6	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Aroclor 1221	NV	NV	NV	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Aroclor 1232	NV	NV	NV	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Aroclor 1242	NV	NV	NV	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Aroclor 1248	NV	NV	NV	**0.0191**	**1.71**	**86.6** J	**0.134**	**0.793**	**0.187**	**0.803**	**13.4**	0.000375 U
Aroclor 1254	NV	NV	0.5	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Aroclor 1260	NV	NV	0.5	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Aroclor 1262	NV	NV	NV	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Aroclor 1268	NV	NV	NV	0.000428 U	0.000385 U	0.000418 U	0.000375 U	0.000395 U	0.000426 U	0.000407 U	0.000383 U	0.000375 U
Total PCBs	1	10	NA	**0.0191**	**1.71**	**86.6**	**0.134**	**0.793**	**0.187**	**0.803**	**13.4**	0.000375 U
Chlorinated Herbicides (mg/kg)												
2,4,5-T	NV	NV	800	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
2,4-D	NV	NV	800	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
2,4-DB	NV	NV	640	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
4-Nitrophenol	NV	NV	NV	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
Dicamba	NV	NV	2400	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
Dichlorprop	NV	NV	NV	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
Dinoseb	NV	NV	80	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
MCPA	NV	NV	40	0.856 U	--	0.837 U	--	0.79 U	0.853 U	0.815 U	0.768 U	--

			Location:	TP16	TP17			TP18	TP19	TP20	TP21	
			Sample Name:	TP16-S-0.5	TP17-S-0.5	TP17-S-1.25	TP17-S-4.5	TP18-S-0.5	TP19-S-0.5	TP20-S-0.5	TP21-S-0.5	TP21-S-5.0
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	1.25	4.5	0.5	0.5	0.5	0.5	5
MCPP	NV	NV	80	0.856 U	--	0.837 U	--	0.79 U	0.853 U	0.815 U	0.768 U	--
Pentachlorophenol	NV	NV	2.5	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
Silvex	NV	NV	640	0.00856 U	--	0.00837 U	--	0.0079 U	0.00853 U	0.00815 U	0.00768 U	--
Organophosphorus Pesticides (mg/kg)												
Bladan	NV	NV	NV	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Coumaphos	NV	NV	NV	0.128 U	--	0.125 U	--	0.118 U	0.128 U	0.122 U	0.115 U	--
Demeton-S	NV	NV	NV	0.0642 U	--	0.0627 U	--	0.0592 U	0.0639 U	0.0611 U	0.0576 U	--
Diazinon	NV	NV	56	0.0642 U	--	0.0627 U	--	0.0592 U	0.0639 U	0.0611 U	0.0576 U	--
Dichlorvos	NV	NV	3.45	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Dimethoate	NV	NV	16	0.0642 U	--	0.0627 U	--	0.0592 U	0.0639 U	0.0611 U	0.0576 U	--
Disulfoton	NV	NV	3.2	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Dursban	NV	NV	80	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Ethoprop	NV	NV	NV	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Fensulfothion	NV	NV	NV	0.128 U	--	0.125 U	--	0.118 U	0.128 U	0.122 U	0.115 U	--
Fenthion	NV	NV	NV	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Guthion	NV	NV	NV	0.321 U	--	0.314 U	--	0.296 U	0.32 U	0.306 U	0.288 U	--
Merphos oxide	NV	NV	2.4	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Methyl parathion	NV	NV	20	0.128 U	--	0.125 U	--	0.118 U	0.128 U	0.122 U	0.115 U	--
Mevinphos	NV	NV	NV	0.128 U	--	0.125 U	--	0.118 U	0.128 U	0.122 U	0.115 U	--
Naled	NV	NV	160	0.321 U	--	0.314 U	--	0.296 U	0.32 U	0.306 U	0.288 U	--
Parathion	NV	NV	480	0.0642 U	--	0.0627 U	--	0.0592 U	0.0639 U	0.0611 U	0.0576 U	--
Phorate	NV	NV	16	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Ronnel	NV	NV	4000	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Santox	NV	NV	0.8	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Stirofos	NV	NV	41.7	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Sulfotepp	NV	NV	40	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Sulprofos	NV	NV	NV	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Sumitox	NV	NV	1600	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Tokuthion	NV	NV	NV	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--
Trichloronate	NV	NV	NV	0.0257 U	--	0.0251 U	--	0.0237 U	0.0256 U	0.0245 U	0.023 U	--

			Location:	TP16	TP17			TP18	TP19	TP20	TP21	
			Sample Name:	TP16-S-0.5	TP17-S-0.5	TP17-S-1.25	TP17-S-4.5	TP18-S-0.5	TP19-S-0.5	TP20-S-0.5	TP21-S-0.5	TP21-S-5.0
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	1.25	4.5	0.5	0.5	0.5	0.5	5
Organochlorine Pesticides (mg/kg)												
4,4'-DDD	NV	NV	4.17	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
4,4'-DDE	NV	NV	2.94	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
4,4'-DDT	3	4	NA	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Aldrin	NV	NV	0.059	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
alpha-BHC	NV	NV	0.159	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
alpha-Chlordane	NV	NV	2.86	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
beta-BHC	NV	NV	NV	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Chlordane	NV	NV	2.86	0.00856 UJ	--	0.00837 UJ	--	0.0079 UJ	0.00853 UJ	0.00815 UJ	0.00768 UJ	--
delta-BHC	NV	NV	NV	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Dieldrin	NV	NV	0.063	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Endosulfan I	NV	NV	480	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Endosulfan II	NV	NV	480	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Endosulfan sulfate	NV	NV	NV	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Endrin	NV	NV	24	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Endrin aldehyde	NV	NV	NV	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Endrin ketone	NV	NV	NV	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Gamma-Chlordane	NV	NV	2.86	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Heptachlor	NV	NV	0.222	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Heptachlor epoxide	NV	NV	0.11	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Lindane	0.01	0.01	NA	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Methoxychlor	NV	NV	400	0.000428 UJ	--	0.000418 UJ	--	0.000395 UJ	0.000426 UJ	0.000408 UJ	0.000384 UJ	--
Toxaphene	NV	NV	0.909	0.00856 UJ	--	0.00837 UJ	--	0.0079 UJ	0.00853 UJ	0.00815 UJ	0.00768 UJ	--
TPH (mg/kg)												
Diesel	2000	2000	NA	19.3 U	--	**59.7** J	--	17.8 U	--	**22.6** J	**37.5** J	--
Lube Oil	2000	2000	NA	**82.2** J	--	**165** J	--	**79.4** J	--	**105** J	**162** J	--
Ammonia (mg/kg)												
Nitrogen, Ammonia as N	NV	NV	NV	--	--	--	--	--	--	--	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP22	TP23		TP24	TP25		TP26	
			Sample Name:	TP22-S-0.5	TP23-S-0.5	TP23-S-4.5	TP24-S-0.5	TP25-S-0.5	TP25-S-4.5	TP26-S-0.5	TP26-S-5.0
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	4.5	0.5	0.5	4.5	0.5	5
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil								
Metals (mg/kg)											
Arsenic	20	20	NA	**2.5**	**2.24**	--	**2.18**	**3.7**	--	**4.19**	--
Chromium[a]	2000	2000	NA	**9.46**	**10.6**	--	**10.1**	**12.6**	--	**26.2**	--
Copper	NV	NV	3200	**41.6**	**22.8**	--	**27.4**	**29.2**	--	**35.5**	--
Iron	NV	NV	56000	--	--	--	--	--	--	**31200**	--
Lead	250	1000	NA	**7.13**	**13.7**	--	**32.2**	**23.8**	--	**95.3**	--
Manganese	NV	NV	11200	--	--	--	--	--	--	**538**	--
Mercury	2	2	NA	0.0201 U	**0.0497**	--	**0.114**	**0.0597**	--	**0.0723**	--
Nickel	NV	NV	1600	**10.6**	**10.1**	--	**8.7**	**10.6** J	--	**11.3**	--
Zinc	NV	NV	24000	**168**	**608**	--	**177**	**314**	--	**2380**	--
PCBs (mg/kg)											
Aroclor 1016	NV	NV	5.6	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Aroclor 1221	NV	NV	NV	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Aroclor 1232	NV	NV	NV	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Aroclor 1242	NV	NV	NV	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Aroclor 1248	NV	NV	NV	**0.635**	**17.1**	0.000363 U	**0.514** J	**26.9**	0.00037 U	**33.2** J	0.00036 U
Aroclor 1254	NV	NV	0.5	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Aroclor 1260	NV	NV	0.5	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Aroclor 1262	NV	NV	NV	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Aroclor 1268	NV	NV	NV	0.000434 U	0.000397 U	0.000363 U	0.000386 U	0.000387 U	0.00037 U	0.000393 U	0.00036 U
Total PCBs	1	10	NA	**0.635**	**17.1**	0.000363 U	**0.514** J	**26.9**	0.000185 U	**33.2** J	0.00036 U
Chlorinated Herbicides (mg/kg)											
2,4,5-T	NV	NV	800	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
2,4-D	NV	NV	800	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
2,4-DB	NV	NV	640	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
4-Nitrophenol	NV	NV	NV	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
Dicamba	NV	NV	2400	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
Dichlorprop	NV	NV	NV	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
Dinoseb	NV	NV	80	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
MCPA	NV	NV	40	0.868 U	0.796 UJ	--	0.772 U	0.774 U	--	0.787 U	--

			Location:	TP22	TP23		TP24	TP25		TP26	
			Sample Name:	TP22-S-0.5	TP23-S-0.5	TP23-S-4.5	TP24-S-0.5	TP25-S-0.5	TP25-S-4.5	TP26-S-0.5	TP26-S-5.0
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	4.5	0.5	0.5	4.5	0.5	5
MCPP	NV	NV	80	0.868 U	0.796 UJ	--	0.772 U	0.774 U	--	0.787 U	--
Pentachlorophenol	NV	NV	2.5	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	**0.172**	--
Silvex	NV	NV	640	0.00868 U	0.00796 UJ	--	0.00772 U	0.00774 U	--	0.00787 U	--
Organophosphorus Pesticides (mg/kg)											
Bladan	NV	NV	NV	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Coumaphos	NV	NV	NV	0.13 U	0.119 U	--	0.116 U	0.116 U	--	0.118 U	--
Demeton-S	NV	NV	NV	0.0651 U	0.0597 U	--	0.0579 U	0.0581 U	--	0.059 U	--
Diazinon	NV	NV	56	0.0651 U	0.0597 U	--	0.0579 U	0.0581 U	--	0.059 U	--
Dichlorvos	NV	NV	3.45	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Dimethoate	NV	NV	16	0.0651 U	0.0597 U	--	0.0579 U	0.0581 U	--	0.059 U	--
Disulfoton	NV	NV	3.2	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Dursban	NV	NV	80	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Ethoprop	NV	NV	NV	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Fensulfothion	NV	NV	NV	0.13 U	0.119 U	--	0.116 U	0.116 U	--	0.118 U	--
Fenthion	NV	NV	NV	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Guthion	NV	NV	NV	0.326 U	0.298 U	--	0.289 U	0.29 U	--	0.295 U	--
Merphos oxide	NV	NV	2.4	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Methyl parathion	NV	NV	20	0.13 U	0.119 U	--	0.116 U	0.116 U	--	0.118 U	--
Mevinphos	NV	NV	NV	0.13 U	0.119 U	--	0.116 U	0.116 U	--	0.118 U	--
Naled	NV	NV	160	0.326 U	0.298 U	--	0.289 U	0.29 U	--	0.295 U	--
Parathion	NV	NV	480	0.0651 U	0.0597 U	--	0.0579 U	0.0581 U	--	0.059 U	--
Phorate	NV	NV	16	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Ronnel	NV	NV	4000	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Santox	NV	NV	0.8	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Stirofos	NV	NV	41.7	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Sulfotepp	NV	NV	40	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Sulprofos	NV	NV	NV	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Sumitox	NV	NV	1600	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Tokuthion	NV	NV	NV	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--
Trichloronate	NV	NV	NV	0.026 U	0.0239 U	--	0.0232 U	0.0232 U	--	0.0236 U	--

			Location:	TP22	TP23		TP24	TP25		TP26	
			Sample Name:	TP22-S-0.5	TP23-S-0.5	TP23-S-4.5	TP24-S-0.5	TP25-S-0.5	TP25-S-4.5	TP26-S-0.5	TP26-S-5.0
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014
			Collection Depth (ft bgs):	0.5	0.5	4.5	0.5	0.5	4.5	0.5	5
Organochlorine Pesticides (mg/kg)											
4,4'-DDD	NV	NV	4.17	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
4,4'-DDE	NV	NV	2.94	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
4,4'-DDT	3	4	NA	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Aldrin	NV	NV	0.059	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
alpha-BHC	NV	NV	0.159	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
alpha-Chlordane	NV	NV	2.86	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
beta-BHC	NV	NV	NV	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Chlordane	NV	NV	2.86	0.00868 UJ	0.00796 UJ	--	0.00772 UJ	0.00774 UJ	--	0.00787 UJ	--
delta-BHC	NV	NV	NV	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Dieldrin	NV	NV	0.063	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Endosulfan I	NV	NV	480	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Endosulfan II	NV	NV	480	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Endosulfan sulfate	NV	NV	NV	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Endrin	NV	NV	24	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Endrin aldehyde	NV	NV	NV	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Endrin ketone	NV	NV	NV	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Gamma-Chlordane	NV	NV	2.86	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Heptachlor	NV	NV	0.222	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Heptachlor epoxide	NV	NV	0.11	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Lindane	0.01	0.01	NA	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Methoxychlor	NV	NV	400	0.000434 UJ	0.000398 UJ	--	0.000386 UJ	0.000387 UJ	--	0.000393 UJ	--
Toxaphene	NV	NV	0.909	0.00868 UJ	0.00796 UJ	--	0.00772 UJ	0.00774 UJ	--	0.00787 UJ	--
TPH (mg/kg)											
Diesel	2000	2000	NA	19.5 U	**23.2** J	--	**19.3**	**62.4** J	--	**44.9**	--
Lube Oil	2000	2000	NA	65.1 U	**104** J	--	**104** J	**215** J	--	**133**	--
Ammonia (mg/kg)											
Nitrogen, Ammonia as N	NV	NV	NV	--	--	--	--	--	--	4.72 U	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP27			TP28	TP29				TP30		TP31
			Sample Name:	TP27-S-0.5	TP27-S-5.5	TP27-S-8.5	TP28-S-0.5	TP29-S-0.5	TP-S-0.5DUP	TP29-S-3.5	TP29-S-7.5	TP30-S-0.5	TP30-S-4.0	TP31-S-0.5
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	5.5	8.5	0.5	0.5	0.5	3.5	7.5	0.5	4	0.5
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil											
Metals (mg/kg)														
Arsenic	20	20	NA	**14.6**	--	--	--	**3.08**	**2.88**	--	--	--	--	--
Chromium[a]	2000	2000	NA	**17**	--	--	--	**11.9**	**15.5**	--	--	--	--	--
Copper	NV	NV	3200	**35.5**	--	--	--	**25.7**	**24.5**	--	--	--	--	--
Iron	NV	NV	56000	**27200**	--	--	**47400**	**36900**	**43300**	--	--	**41700**	--	--
Lead	250	1000	NA	**96.4**	--	--	--	**15.5**	**12.6**	--	--	--	--	--
Manganese	NV	NV	11200	**333**	--	--	**817**	**429**	**437**	--	--	**517**	--	--
Mercury	2	2	NA	**0.11**	--	--	--	**0.0444**	**0.0405**	--	--	--	--	--
Nickel	NV	NV	1600	**8.97**	--	--	--	**10.5**	**15.3**	--	--	--	--	--
Zinc	NV	NV	24000	**448**	--	--	--	**382**	**390**	--	--	--	--	--
PCBs (mg/kg)														
Aroclor 1016	NV	NV	5.6	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Aroclor 1221	NV	NV	NV	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Aroclor 1232	NV	NV	NV	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Aroclor 1242	NV	NV	NV	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Aroclor 1248	NV	NV	NV	**63.1** J	**1.56**	**0.392**	**0.532** J	**3.98** J	**3.64** J	**4.21**	**0.186**	**17.3** J	0.000362 U	**0.0694**
Aroclor 1254	NV	NV	0.5	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Aroclor 1260	NV	NV	0.5	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Aroclor 1262	NV	NV	NV	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Aroclor 1268	NV	NV	NV	0.000461 U	0.000412 U	0.000377 U	0.000391 U	0.000382 U	0.000386 U	0.000448 U	0.000358 U	0.000382 U	0.000362 U	0.000363 U
Total PCBs	1	10	NA	**63.1** J	**1.56**	**0.392**	**0.532** J	**3.98** J	**3.64** J	**4.21**	**0.186**	**17.3** J	0.000362 U	**0.0694**
Chlorinated Herbicides (mg/kg)														
2,4,5-T	NV	NV	800	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
2,4-D	NV	NV	800	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
2,4-DB	NV	NV	640	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
4-Nitrophenol	NV	NV	NV	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
Dicamba	NV	NV	2400	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
Dichlorprop	NV	NV	NV	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
Dinoseb	NV	NV	80	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
MCPA	NV	NV	40	0.923 U	--	--	0.782 U	0.765 U	0.773 U	--	--	0.764 U	--	--

			Location:	TP27			TP28	TP29				TP30		TP31
			Sample Name:	TP27-S-0.5	TP27-S-5.5	TP27-S-8.5	TP28-S-0.5	TP29-S-0.5	TP-S-0.5DUP	TP29-S-3.5	TP29-S-7.5	TP30-S-0.5	TP30-S-4.0	TP31-S-0.5
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	5.5	8.5	0.5	0.5	0.5	3.5	7.5	0.5	4	0.5
MCPP	NV	NV	80	0.923 U	--	--	0.782 U	0.765 U	0.773 U	--	--	0.764 U	--	--
Pentachlorophenol	NV	NV	2.5	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	**0.00902**	--	--
Silvex	NV	NV	640	0.00923 U	--	--	0.00782 U	0.00765 U	0.00773 U	--	--	0.00764 U	--	--
Organophosphorus Pesticides (mg/kg)														
Bladan	NV	NV	NV	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Coumaphos	NV	NV	NV	0.138 U	--	--	0.117 U	0.115 U	0.116 U	--	--	0.115 U	--	--
Demeton-S	NV	NV	NV	0.0692 U	--	--	0.0587 U	0.0574 U	0.058 U	--	--	0.0573 U	--	--
Diazinon	NV	NV	56	0.0692 U	--	--	0.0587 U	0.0574 U	0.058 U	--	--	0.0573 U	--	--
Dichlorvos	NV	NV	3.45	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Dimethoate	NV	NV	16	0.0692 U	--	--	0.0587 U	0.0574 U	0.058 U	--	--	0.0573 U	--	--
Disulfoton	NV	NV	3.2	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Dursban	NV	NV	80	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Ethoprop	NV	NV	NV	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Fensulfothion	NV	NV	NV	0.138 U	--	--	0.117 U	0.115 U	0.116 U	--	--	0.115 U	--	--
Fenthion	NV	NV	NV	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Guthion	NV	NV	NV	0.346 U	--	--	0.293 U	0.287 U	0.29 U	--	--	0.287 U	--	--
Merphos oxide	NV	NV	2.4	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Methyl parathion	NV	NV	20	0.138 U	--	--	0.117 U	0.115 U	0.116 U	--	--	0.115 U	--	--
Mevinphos	NV	NV	NV	0.138 U	--	--	0.117 U	0.115 U	0.116 U	--	--	0.115 U	--	--
Naled	NV	NV	160	0.346 U	--	--	0.293 U	0.287 U	0.29 U	--	--	0.287 U	--	--
Parathion	NV	NV	480	0.0692 U	--	--	0.0587 U	0.0574 U	0.058 U	--	--	0.0573 U	--	--
Phorate	NV	NV	16	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Ronnel	NV	NV	4000	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Santox	NV	NV	0.8	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Stirofos	NV	NV	41.7	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Sulfotepp	NV	NV	40	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Sulprofos	NV	NV	NV	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Sumitox	NV	NV	1600	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Tokuthion	NV	NV	NV	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--
Trichloronate	NV	NV	NV	0.0277 U	--	--	0.0235 U	0.023 U	0.0232 U	--	--	0.0229 U	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP27			TP28	TP29				TP30		TP31
			Sample Name:	TP27-S-0.5	TP27-S-5.5	TP27-S-8.5	TP28-S-0.5	TP29-S-0.5	TP-S-0.5DUP	TP29-S-3.5	TP29-S-7.5	TP30-S-0.5	TP30-S-4.0	TP31-S-0.5
			Collection Date:	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	7/16/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	5.5	8.5	0.5	0.5	0.5	3.5	7.5	0.5	4	0.5
Organochlorine Pesticides (mg/kg)														
4,4'-DDD	NV	NV	4.17	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
4,4'-DDE	NV	NV	2.94	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
4,4'-DDT	3	4	NA	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Aldrin	NV	NV	0.059	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
alpha-BHC	NV	NV	0.159	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
alpha-Chlordane	NV	NV	2.86	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
beta-BHC	NV	NV	NV	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Chlordane	NV	NV	2.86	0.00923 UJ	--	--	0.00782 UJ	0.00765 UJ	0.00773 UJ	--	--	0.00764 UJ	--	--
delta-BHC	NV	NV	NV	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Dieldrin	NV	NV	0.063	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Endosulfan I	NV	NV	480	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Endosulfan II	NV	NV	480	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Endosulfan sulfate	NV	NV	NV	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Endrin	NV	NV	24	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Endrin aldehyde	NV	NV	NV	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Endrin ketone	NV	NV	NV	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Gamma-Chlordane	NV	NV	2.86	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Heptachlor	NV	NV	0.222	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Heptachlor epoxide	NV	NV	0.11	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Lindane	0.01	0.01	NA	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Methoxychlor	NV	NV	400	0.000462 UJ	--	--	0.000391 UJ	0.000383 UJ	0.000386 UJ	--	--	0.000382 UJ	--	--
Toxaphene	NV	NV	0.909	0.00923 UJ	--	--	0.00782 UJ	0.00765 UJ	0.00773 UJ	--	--	0.00764 UJ	--	--
TPH (mg/kg)														
Diesel	2000	2000	NA	**69.3**	--	--	--	**19.7**	**23.1**	--	--	--	--	--
Lube Oil	2000	2000	NA	**162**	--	--	--	**104**	**105**	--	--	--	--	--
Ammonia (mg/kg)														
Nitrogen, Ammonia as N	NV	NV	NV	5.54 U	--	--	4.69 U	4.59 U	4.64 U	--	--	4.59 U	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39		TP40
			Sample Name:	TP32-S-0.5	TP33-S-0.5	TP34-S-0.5	TP35-S-0.5	TP36-S-0.5	TP37-S-0.5	TP38-S-0.5	TP39-S-0.5	TP39-S-2.0	TP40-S-0.5
			Collection Date:	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.5
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil										
Metals (mg/kg)													
Arsenic	20	20	NA	--	--	--	--	--	--	--	--	--	--
Chromium[a]	2000	2000	NA	--	--	--	--	--	--	--	--	--	--
Copper	NV	NV	3200	--	--	--	--	--	--	--	--	--	--
Iron	NV	NV	56000	--	--	--	--	--	--	--	--	--	--
Lead	250	1000	NA	--	--	--	--	--	--	--	--	--	--
Manganese	NV	NV	11200	--	--	--	--	--	--	--	--	--	--
Mercury	2	2	NA	--	--	--	--	--	--	--	--	--	--
Nickel	NV	NV	1600	--	--	--	--	--	--	--	--	--	--
Zinc	NV	NV	24000	--	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)													
Aroclor 1016	NV	NV	5.6	0.000401 U	0.000337 U	0.000347 U	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Aroclor 1221	NV	NV	NV	0.000401 U	0.000337 U	0.000347 U	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Aroclor 1232	NV	NV	NV	0.000401 U	0.000337 U	0.000347 U	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Aroclor 1242	NV	NV	NV	0.000401 U	0.000337 U	0.000347 U	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Aroclor 1248	NV	NV	NV	**0.0187**	0.000337 U	0.000347 U	**0.0431**	**0.00404**	0.000362 U	0.000383 U	**19.6** J	**0.434**	0.000359 U
Aroclor 1254	NV	NV	0.5	0.000401 U	0.000337 U	**0.00955**	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Aroclor 1260	NV	NV	0.5	0.000401 U	0.000337 U	0.000347 U	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Aroclor 1262	NV	NV	NV	0.000401 U	0.000337 U	0.000347 U	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Aroclor 1268	NV	NV	NV	0.000401 U	0.000337 U	0.000347 U	0.000349 U	0.000362 U	0.000362 U	0.000383 U	0.000385 U	0.000379 U	0.000359 U
Total PCBs	1	10	NA	**0.0187**	0.000337 U	**0.00955**	**0.0431**	**0.00404**	0.000362 U	0.000383 U	**19.6** J	**0.434**	0.000359 U
Chlorinated Herbicides (mg/kg)													
2,4,5-T	NV	NV	800	--	--	--	--	--	--	--	--	--	--
2,4-D	NV	NV	800	--	--	--	--	--	--	--	--	--	--
2,4-DB	NV	NV	640	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Dicamba	NV	NV	2400	--	--	--	--	--	--	--	--	--	--
Dichlorprop	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Dinoseb	NV	NV	80	--	--	--	--	--	--	--	--	--	--
MCPA	NV	NV	40	--	--	--	--	--	--	--	--	--	--

			Location:	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39		TP40
			Sample Name:	TP32-S-0.5	TP33-S-0.5	TP34-S-0.5	TP35-S-0.5	TP36-S-0.5	TP37-S-0.5	TP38-S-0.5	TP39-S-0.5	TP39-S-2.0	TP40-S-0.5
			Collection Date:	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.5
MCPP	NV	NV	80	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	NV	NV	2.5	--	--	--	--	--	--	--	--	--	--
Silvex	NV	NV	640	--	--	--	--	--	--	--	--	--	--
Organophosphorus Pesticides (mg/kg)													
Bladan	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Coumaphos	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Demeton-S	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Diazinon	NV	NV	56	--	--	--	--	--	--	--	--	--	--
Dichlorvos	NV	NV	3.45	--	--	--	--	--	--	--	--	--	--
Dimethoate	NV	NV	16	--	--	--	--	--	--	--	--	--	--
Disulfoton	NV	NV	3.2	--	--	--	--	--	--	--	--	--	--
Dursban	NV	NV	80	--	--	--	--	--	--	--	--	--	--
Ethoprop	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Fensulfothion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Fenthion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Guthion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Merphos oxide	NV	NV	2.4	--	--	--	--	--	--	--	--	--	--
Methyl parathion	NV	NV	20	--	--	--	--	--	--	--	--	--	--
Mevinphos	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Naled	NV	NV	160	--	--	--	--	--	--	--	--	--	--
Parathion	NV	NV	480	--	--	--	--	--	--	--	--	--	--
Phorate	NV	NV	16	--	--	--	--	--	--	--	--	--	--
Ronnel	NV	NV	4000	--	--	--	--	--	--	--	--	--	--
Santox	NV	NV	0.8	--	--	--	--	--	--	--	--	--	--
Stirofos	NV	NV	41.7	--	--	--	--	--	--	--	--	--	--
Sulfotepp	NV	NV	40	--	--	--	--	--	--	--	--	--	--
Sulprofos	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Sumitox	NV	NV	1600	--	--	--	--	--	--	--	--	--	--
Tokuthion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Trichloronate	NV	NV	NV	--	--	--	--	--	--	--	--	--	--

			Location:	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39		TP40
			Sample Name:	TP32-S-0.5	TP33-S-0.5	TP34-S-0.5	TP35-S-0.5	TP36-S-0.5	TP37-S-0.5	TP38-S-0.5	TP39-S-0.5	TP39-S-2.0	TP40-S-0.5
			Collection Date:	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.5
Organochlorine Pesticides (mg/kg)													
4,4'-DDD	NV	NV	4.17	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	NV	NV	2.94	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	3	4	NA	--	--	--	--	--	--	--	--	--	--
Aldrin	NV	NV	0.059	--	--	--	--	--	--	--	--	--	--
alpha-BHC	NV	NV	0.159	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	NV	NV	2.86	--	--	--	--	--	--	--	--	--	--
beta-BHC	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Chlordane	NV	NV	2.86	--	--	--	--	--	--	--	--	--	--
delta-BHC	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Dieldrin	NV	NV	0.063	--	--	--	--	--	--	--	--	--	--
Endosulfan I	NV	NV	480	--	--	--	--	--	--	--	--	--	--
Endosulfan II	NV	NV	480	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Endrin	NV	NV	24	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Endrin ketone	NV	NV	NV	--	--	--	--	--	--	--	--	--	--
Gamma-Chlordane	NV	NV	2.86	--	--	--	--	--	--	--	--	--	--
Heptachlor	NV	NV	0.222	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	NV	NV	0.11	--	--	--	--	--	--	--	--	--	--
Lindane	0.01	0.01	NA	--	--	--	--	--	--	--	--	--	--
Methoxychlor	NV	NV	400	--	--	--	--	--	--	--	--	--	--
Toxaphene	NV	NV	0.909	--	--	--	--	--	--	--	--	--	--
TPH (mg/kg)													
Diesel	2000	2000	NA	--	--	--	--	--	--	--	--	--	--
Lube Oil	2000	2000	NA	--	--	--	--	--	--	--	--	--	--
Ammonia (mg/kg)													
Nitrogen, Ammonia as N	NV	NV	NV	--	--	--	--	--	--	--	--	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP42		TP43	TP45			TP46	TP48	TP51		TP52
			Sample Name:	TP42-S-0.5	TP42-S-2.0	TP43-S-0.5	TP45-S-0.5	TP-S-DUP	TP45-S-2.5	TP46-S-0.5	TP48-S-0.5	TP51-S-0.5	TP51-S-2.0	TP52-S-0.5
			Collection Date:	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	2	0.5	0.5	0.5	2.5	0.5	0.5	0.5	2	0.5
	MTCA A, Soil Unrestricted Land Use	MTCA A, Soil Industrial Properties	MTCA B, Soil											
Metals (mg/kg)														
Arsenic	20	20	NA	--	--	--	--	--	--	--	--	--	--	--
Chromium[a]	2000	2000	NA	--	--	--	--	--	--	--	--	--	--	--
Copper	NV	NV	3200	--	--	--	--	--	--	--	--	--	--	--
Iron	NV	NV	56000	--	--	--	--	--	--	--	--	--	--	--
Lead	250	1000	NA	--	--	--	--	--	--	--	--	--	--	--
Manganese	NV	NV	11200	--	--	--	--	--	--	--	--	--	--	--
Mercury	2	2	NA	--	--	--	--	--	--	--	--	--	--	--
Nickel	NV	NV	1600	--	--	--	--	--	--	--	--	--	--	--
Zinc	NV	NV	24000	--	--	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)														
Aroclor 1016	NV	NV	5.6	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	0.000356 U	0.000368 U	0.000369 U	0.000358 U
Aroclor 1221	NV	NV	NV	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	0.000356 U	0.000368 U	0.000369 U	0.000358 U
Aroclor 1232	NV	NV	NV	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	0.000356 U	0.000368 U	0.000369 U	0.000358 U
Aroclor 1242	NV	NV	NV	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	0.000356 U	0.000368 U	0.000369 U	0.000358 U
Aroclor 1248	NV	NV	NV	**118**	**3.93**	**0.605**	**10.8**	**9.84**	**0.818**	0.000385 U	0.000356 U	**40.3**	**2.84**	0.000358 U
Aroclor 1254	NV	NV	0.5	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	**0.0119**	0.000368 U	0.000369 U	0.000358 U
Aroclor 1260	NV	NV	0.5	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	0.000356 U	0.000368 U	0.000369 U	**0.0319**
Aroclor 1262	NV	NV	NV	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	0.000356 U	0.000368 U	0.000369 U	0.000358 U
Aroclor 1268	NV	NV	NV	0.000378 U	0.00036 U	0.000365 U	0.000376 U	0.000382 U	0.000365 U	0.000385 U	0.000356 U	0.000368 U	0.000369 U	0.000358 U
Total PCBs	1	10	NA	**118**	**3.93**	**0.605**	**10.8**	**9.84**	**0.818**	0.000385 U	**0.0119**	**40.3**	**2.84**	**0.0319**
Chlorinated Herbicides (mg/kg)														
2,4,5-T	NV	NV	800	--	--	--	--	--	--	--	--	--	--	--
2,4-D	NV	NV	800	--	--	--	--	--	--	--	--	--	--	--
2,4-DB	NV	NV	640	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Dicamba	NV	NV	2400	--	--	--	--	--	--	--	--	--	--	--
Dichlorprop	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Dinoseb	NV	NV	80	--	--	--	--	--	--	--	--	--	--	--
MCPA	NV	NV	40	--	--	--	--	--	--	--	--	--	--	--

			Location:	TP42		TP43	TP45			TP46	TP48	TP51		TP52
			Sample Name:	TP42-S-0.5	TP42-S-2.0	TP43-S-0.5	TP45-S-0.5	TP-S-DUP	TP45-S-2.5	TP46-S-0.5	TP48-S-0.5	TP51-S-0.5	TP51-S-2.0	TP52-S-0.5
			Collection Date:	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	2	0.5	0.5	0.5	2.5	0.5	0.5	0.5	2	0.5
MCPP	NV	NV	80	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	NV	NV	2.5	--	--	--	--	--	--	--	--	--	--	--
Silvex	NV	NV	640	--	--	--	--	--	--	--	--	--	--	--
Organophosphorus Pesticides (mg/kg)														
Bladan	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Coumaphos	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Demeton-S	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Diazinon	NV	NV	56	--	--	--	--	--	--	--	--	--	--	--
Dichlorvos	NV	NV	3.45	--	--	--	--	--	--	--	--	--	--	--
Dimethoate	NV	NV	16	--	--	--	--	--	--	--	--	--	--	--
Disulfoton	NV	NV	3.2	--	--	--	--	--	--	--	--	--	--	--
Dursban	NV	NV	80	--	--	--	--	--	--	--	--	--	--	--
Ethoprop	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Fensulfothion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Fenthion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Guthion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Merphos oxide	NV	NV	2.4	--	--	--	--	--	--	--	--	--	--	--
Methyl parathion	NV	NV	20	--	--	--	--	--	--	--	--	--	--	--
Mevinphos	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Naled	NV	NV	160	--	--	--	--	--	--	--	--	--	--	--
Parathion	NV	NV	480	--	--	--	--	--	--	--	--	--	--	--
Phorate	NV	NV	16	--	--	--	--	--	--	--	--	--	--	--
Ronnel	NV	NV	4000	--	--	--	--	--	--	--	--	--	--	--
Santox	NV	NV	0.8	--	--	--	--	--	--	--	--	--	--	--
Stirofos	NV	NV	41.7	--	--	--	--	--	--	--	--	--	--	--
Sulfotepp	NV	NV	40	--	--	--	--	--	--	--	--	--	--	--
Sulprofos	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Sumitox	NV	NV	1600	--	--	--	--	--	--	--	--	--	--	--
Tokuthion	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Trichloronate	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--

Table 1
Soil Analytical Results
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

			Location:	TP42		TP43	TP45			TP46	TP48	TP51		TP52
			Sample Name:	TP42-S-0.5	TP42-S-2.0	TP43-S-0.5	TP45-S-0.5	TP-S-DUP	TP45-S-2.5	TP46-S-0.5	TP48-S-0.5	TP51-S-0.5	TP51-S-2.0	TP52-S-0.5
			Collection Date:	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
			Collection Depth (ft bgs):	0.5	2	0.5	0.5	0.5	2.5	0.5	0.5	0.5	2	0.5
Organochlorine Pesticides (mg/kg)														
4,4'-DDD	NV	NV	4.17	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	NV	NV	2.94	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	3	4	NA	--	--	--	--	--	--	--	--	--	--	--
Aldrin	NV	NV	0.059	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	NV	NV	0.159	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	NV	NV	2.86	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Chlordane	NV	NV	2.86	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	NV	NV	0.063	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I	NV	NV	480	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	NV	NV	480	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Endrin	NV	NV	24	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--
Gamma-Chlordane	NV	NV	2.86	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	NV	NV	0.222	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	NV	NV	0.11	--	--	--	--	--	--	--	--	--	--	--
Lindane	0.01	0.01	NA	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	NV	NV	400	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	NV	NV	0.909	--	--	--	--	--	--	--	--	--	--	--
TPH (mg/kg)														
Diesel	2000	2000	NA	--	--	--	--	--	--	--	--	--	--	--
Lube Oil	2000	2000	NA	--	--	--	--	--	--	--	--	--	--	--
Ammonia (mg/kg)														
Nitrogen, Ammonia as N	NV	NV	NV	--	--	--	--	--	--	--	--	--	--	--

NOTES:
Detections are in **bold** font.
Detections that exceed one or more MTCA cleanup level are shaded gray. Non-detect results are not evaluated against cleanup criteria.
MTCA B values are used when no MTCA A values are available. The lower of MTCA B cancer or non-cancer value is used.
-- = not analyzed.
ft bgs = feet below ground surface.
J = Result is an estimated value.
mg/kg = milligrams per kilogram (parts per million).
MTCA = Model Toxics Control Act.
NA = not applicable.
ND = not detected at or above the method reporting limit.
NV = no value.
PCB = polychlorinated biphenyl.
Total PCBs = sum of PCB Aroclors. Non-detect results are summed as zero. For samples in which all Aroclors are non-detect, total PCB is assigned the highest reporting limit value.
TPH = total petroleum hydrocarbon.
U = Result is non-detect based on the method reporting limit.
UJ = Result is non-detect and an estimated value.
[a]Trivalent chromium MTCA cleanup levels are used.

Table 2
Comparison of Clarifier Solids Present and PCB Concentrations
Focused Site Characterization
Fleischer Properties

Test Pit	Clarifier Solids Observed	PCBs Present (above CUL[a])
TP01	No	No
TP02	**Yes**	**Yes**
TP03	**Yes**	No
TP04	**Yes**	**Yes**
TP05	No	**Yes**
TP06	**Yes**	**Yes**
TP07	**Yes**	**Yes**
TP08	No	No
TP09	No	No
TP10	**Yes**	**Yes**
TP11	No	**Yes**
TP12	**Yes**	No
TP13	**Yes**	**Yes**
TP14	No	**Yes**
TP15	**Yes**	**Yes**
TP16	**Yes**	No
TP17	**Yes**	**Yes**
TP18	**Yes**	No
TP19	No	No
TP20	**Yes**	No
TP21	**Yes**	**Yes**
TP22	**Yes**	No
TP23	**Yes**	**Yes**
TP24	**Yes**	No
TP25	**Yes**	**Yes**
TP26	**Yes**	**Yes**
TP27	**Yes**	**Yes**
TP28	No	No
TP29	No	**Yes**
TP30	No	**Yes**
TP31	No	No
TP32	No	No
TP33	No	No
TP34	No	No
TP35	No	No
TP36	No	No
TP37	No	No
TP38	No	No
TP39	**Yes**	**Yes**
TP40	No	No
TP41	No	--
TP42	**Yes**	**Yes**
TP43	No	No
TP44	No	--
TP45	**Yes**	**Yes**
TP46	No	No
TP47	No	--
TP48	**Yes**	No
TP49	No	--
TP50	No	--
TP51	**Yes**	**Yes**
TP52	No	No
TP53	No	--

NOTES:
CUL = cleanup level.
PCBs = polychlorinated biphenyls.
TP = test pit.
-- = not analyzed.
Bold = yes.
[a]Method A for unrestricted land use cleanup level used.

Table 3
Cost Estimate Alternative 1—Excavation of Contaminated Soils
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

Remedy Components

1 Excavate soil above the MTCA CUL and dispose of off site.
2 Backfill with clean, imported material.
3 Grade site for stormwater drainage.

Assumptions

1 Density of soil = 1.85 tons/cy.
2 Density of select borrow = 1.85 tons/cy.
3 The volume of impacted soil reflects a site-wide average of 3 feet of excavation.
4 Excavated material has been characterized for off-site disposal. For cost estimating purposes, it is assumed that material will be nonhazardous and disposed of at a Subtitle D landfill.
5 Import fill will be clean material and compacted to a minimum of 95 percent, based on the Modified Proctor Test (ASTM, 2012).
6 Final grade will be made consistent with surrounding grades.
7 Twenty percent contingency.

Item	Description	Quantity	Units	Unit Cost	Total Cost
Remedial Action					
Mobilization		1	LS	$50,000	$50,000
High Visibility Construction Fencing		2,983	LF	$4	$11,932
Silt Fencing		2,983	LF	$4	$11,932
Construction Entrance		1	EA	$8,000	$8,000
Clear and Grub		9.56	AC	$1,000	$9,560
Excavate 3 feet of Contaminated Soil		46,286	CY	$8	$370,288
Transport and Dispose of Contaminated Soil		62,486	TON	$34	$2,124,524
Perform Grading		46,286	SY	$1	$46,286
Hydroseed		9.56	AC	$1,500	$14,340
	Contingency			20%	$529,000
				Remedial Action Subtotal	**$3,175,900**
Professional Services					
Permitting and agency negotiations		1	LS	$5,000	$5,000
Survey		1	LS	$5,000	$5,000
Remedial design		1	LS	$25,000	$25,000
Procurement		1	LS	$5,000	$5,000
Construction oversight		5	WK	$14,000	$70,000
Confirmation Soil Sampling		1	LS	$25,000	$25,000
Reporting		1	LS	$10,000	$10,000
	Contingency			20%	$29,000
				Professional Services Subtotal	**$174,000**
ESTIMATED COST					**$3,349,900**

NOTES: % = percent; ASTM = American Society for Testing and Materials; AC = acre; CUL = cleanup level; CY = cubic yard; EA = each; LF = linear foot; LS = lump sum; MTCA = Model Toxics Control Act; SY = square yard; WK = week.

Table 4
Cost Estimate Alternative 2—Capping of Contaminated Soils
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

Remedy Components

1 Regrade and cap existing soil.
2 Cap with clean, imported material.
3 Grade site for stormwater drainage.

Assumptions

1 Density of soil = 1.85 tons/cy.
2 Density of select borrow = 1.85 tons/cy.
3 Import fill will be clean material and compacted to a minimum of 95 percent, based on the Modified Proctor Test (ASTM, 2012).
4 Final grade will be made consistent with surrounding grades.
5 Twenty percent contingency.

Item	Description	Quantity	Units	Unit Cost	Total Cost
Remedial Action					
Mobilization		1	LS	$50,000	$50,000
High Visibility Construction Fencing		2,983	LF	$4	$11,932
Silt Fencing		2,983	LF	$4	$11,932
Construction Entrance		1	EA	$8,000	$8,000
Clear and Grub		9.56	AC	$1,000	$9,560
Perform Grading		46,286	SY	$1	$46,286
Place Demarcation Fabric		46,286	SY	$2	$92,572
Place 2 feet of Clean Soil Cap		30,857	CY	$15	$462,855
Hydroseed		9.56	AC	$1,500	$14,340
	Contingency			20%	$141,000
				Remedial Action Subtotal	**$848,500**
Professional Services					
Permitting and agency negotiations		1	LS	$5,000	$5,000
Survey		1	LS	$5,000	$5,000
Remedial design		1	LS	$25,000	$25,000
Procurement		1	LS	$5,000	$5,000
Construction oversight		6	WK	$14,000	$84,000
Documentation Soil Sampling		1	LS	$25,000	$25,000
Reporting		1	LS	$10,000	$10,000
	Contingency			20%	$32,000
				Professional Services Subtotal	**$191,000**
ESTIMATED COST					**$1,039,500**

NOTES: % = percent; ASTM = American Society for Testing and Materials; AC = acre; CY = cubic yard; EA = each; LF = linear foot; LS = lump sum; PID = photoionization detector; SY = square yard; WK = week.

Table 5
Cost Estimate Alternative 3—Targeted Excavation and Capping of Contaminated Soils
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

Remedy Components

1 Excavate impacted soil necessary to support redevelopment (e.g., foundation, utility corridors) and dispose of off site.
2 Cap site through redevelopment (building footprint, parking/walkways, and landscaped areas).

Assumptions

1 Density of soil = 1.85 tons/cy.
2 Density of select borrow = 1.85 tons/cy.
3 Density of asphalt = 2 tons/cy.
4 The volume of excavated soil based on 1/3 of Property area estimate for redevelopment.
5 Import fill (landscape cap) will be clean material and compacted to a minimum of 95 percent, based on the Modified Proctor Test (ASTM, 2012).
6 Excavated material has been characterized for off-site disposal. For cost estimating purposes, it is assumed that material will be nonhazardous and disposed of at a Subtitle D landfill.
7 Twenty percent contingency.

Item	Description	Quantity	Units	Unit Cost	Total Cost
Remedial Action					
Mobilization		1	LS	$50,000	$50,000
High Visibility Construction Fencing		2,983	LF	$4	$11,932
Silt Fencing		2,983	LF	$4	$11,932
Construction Entrance		1	EA	$8,000	$8,000
Clear and Grub		9.56	AC	$1,000	$9,560
Excavate 3 feet of Contaminated Soil		15,413	CY	$8	$123,304
Transport and Dispose of Contaminated Soil		20,808	TN	$34	$707,472
Perform Grading		46,286	SY	$1	$46,286
Place Demarcation Fabric		30,873	SY	$2	$61,746
Place 2 Feet Clean Import Soil Cap		20,583	CY	$15.00	$308,745
Hydroseed		9.56	AC	$1,500	$14,340
	Contingency			20%	$271,000
			Remedial Action Subtotal		**$1,624,300**
Professional Services					
Permitting and agency negotiations		1	LS	$5,000	$5,000
Environmental covenant		1	LS	$2,000	$2,000
Soil management plan		1	LS	$5,000	$5,000
Survey		1	LS	$5,000	$5,000
Remedial design		1	LS	$25,000	$25,000
Procurement		1	LS	$5,000	$5,000
Construction oversight		7	WK	$14,000	$98,000
Confirmation/Documentation Soil Sampling		1	LS	$25,000	$25,000
Reporting		1	LS	$12,000	$12,000
	Contingency			20%	$36,000
			Professional Services Subtotal		**$218,000**
ESTIMATED COST					**$1,842,300**

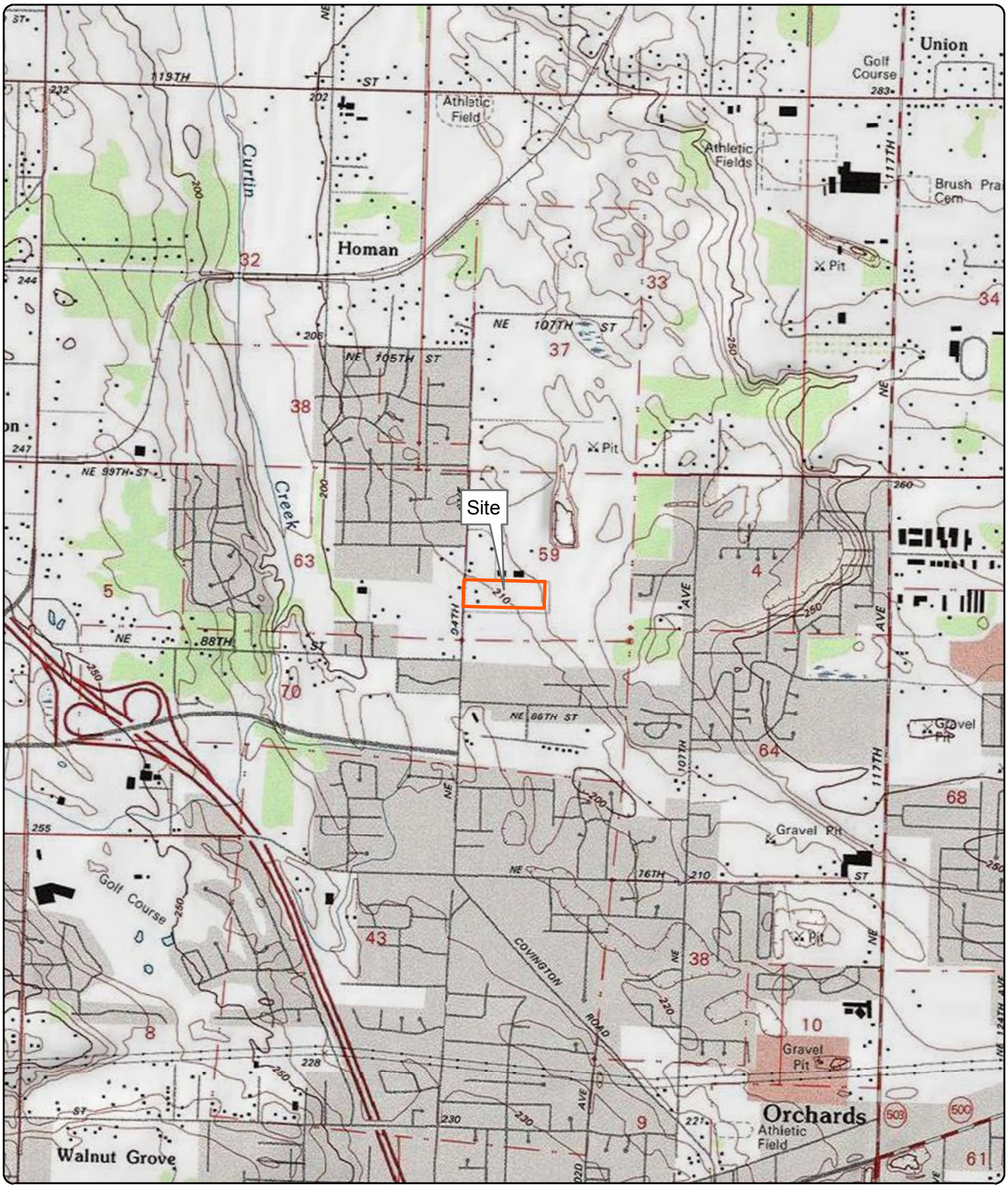
NOTES: % = percent; AC = acre; ASTM = American Society for Testing and Materials; CF = cubic feet; cy = cubic yard; EA = each; LF = linear foot; LS = lump sum; SF = square foot; SY = square yard; TN = ton; WK= week.

Table 6
Disproportionate Cost Analysis
Focused Site Characterization
Fleischer Properties
Vancouver, Washington

Alternative	Description	Protectiveness	Permanence	Long-Term Effectiveness	Management of Short-Term Risks	Implementability	**Average**	Public Concerns	**Estimated Cost**
Alternative 1	Excavation and off-site disposal of impacted soil.	5	5	5	4	5	**4.8**	TBD	**$ 3,349,900**
Alternative 2	Capping of impacted soil.	5	3	4	5	5	**4.4**	TBD	**$ 1,039,500**
Alternative 3	Targeted excavation of impacted soil supporting redevelopment. Capping of remaining impacted soil.	5	4	4	4	5	**4.4**	TBD	**$ 1,842,300**

Notes: TBD = to be determined.

FIGURES



Site Address: 9109 and 9115 Northeast 94th Avenue, Vancouver, Washington
Source: U.S. Geological Survey (1990) 7.5-minute topographic quadrangle: Orchards
Section 59, Township 2 North, Range 2 East

Figure 1
Site Location

Fleischer Properties
Focused Site Characterization
9109 and 9115 Northeast 94th Avenue
Vancouver, Washington

0 1,000 2,000
Feet

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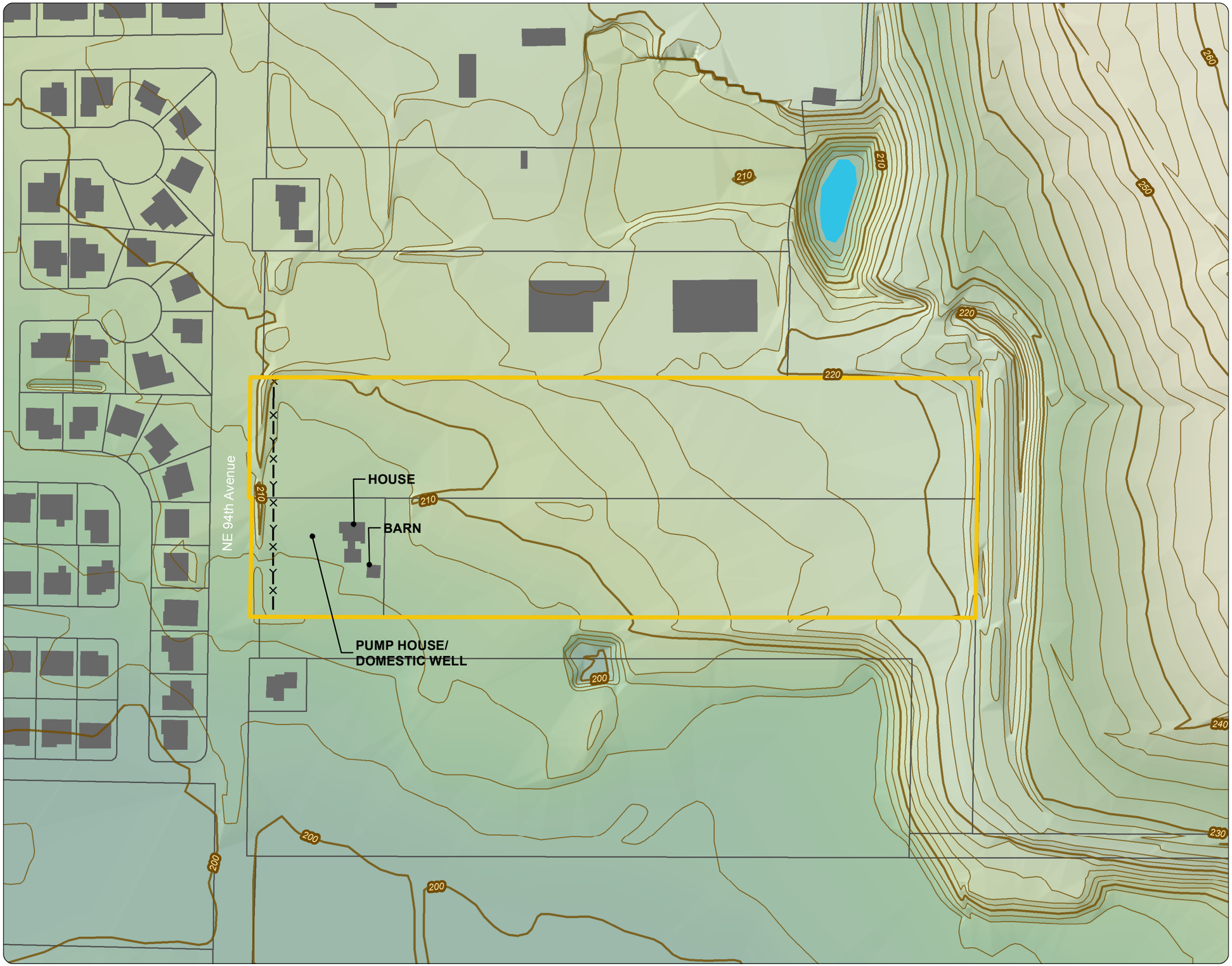
Path: X:\9059.07 Clark County\04 Fleischer IPG\Projects\PreliminaryRiandFS\Fig1_Site Location.mxd
Print Date: 12/10/2014
Approved By: E. Hess
Produced By: gherbert
Project: 9059.07

Figure 2
Site Topography

Fleischer Properties
Focused Site Characterization
9109 and 9115 Northeast 94th Avenue
Vancouver, Washington



Legend

- Fence
- Elevation Contour (10 Feet)
- Elevation Contour (2 Feet)
- Building Footprint
- Surface Water
- Site Boundary
- Tax Lot Boundary

Elevation
263 Feet
198 Feet

Notes:
1. All site feature locations are approximate.
2. Elevation contours are LIDAR derived.
3. LIDAR = Light Detection and Ranging/ Laser Imaging Detection and Ranging (system)

0 75 150
Feet

Source: Elevation data, tax lots, hydrology, and building footprints obtained from Clark County.

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Path: X:\9059.07 Clark County\04 Fleischer IPG\Projects\Preliminary\RandFS\Fig2_Site Topography.mxd
Print Date: 12/10/2014
Approved By: kroslund
Produced By: gherbert
Project: 9059.07.04

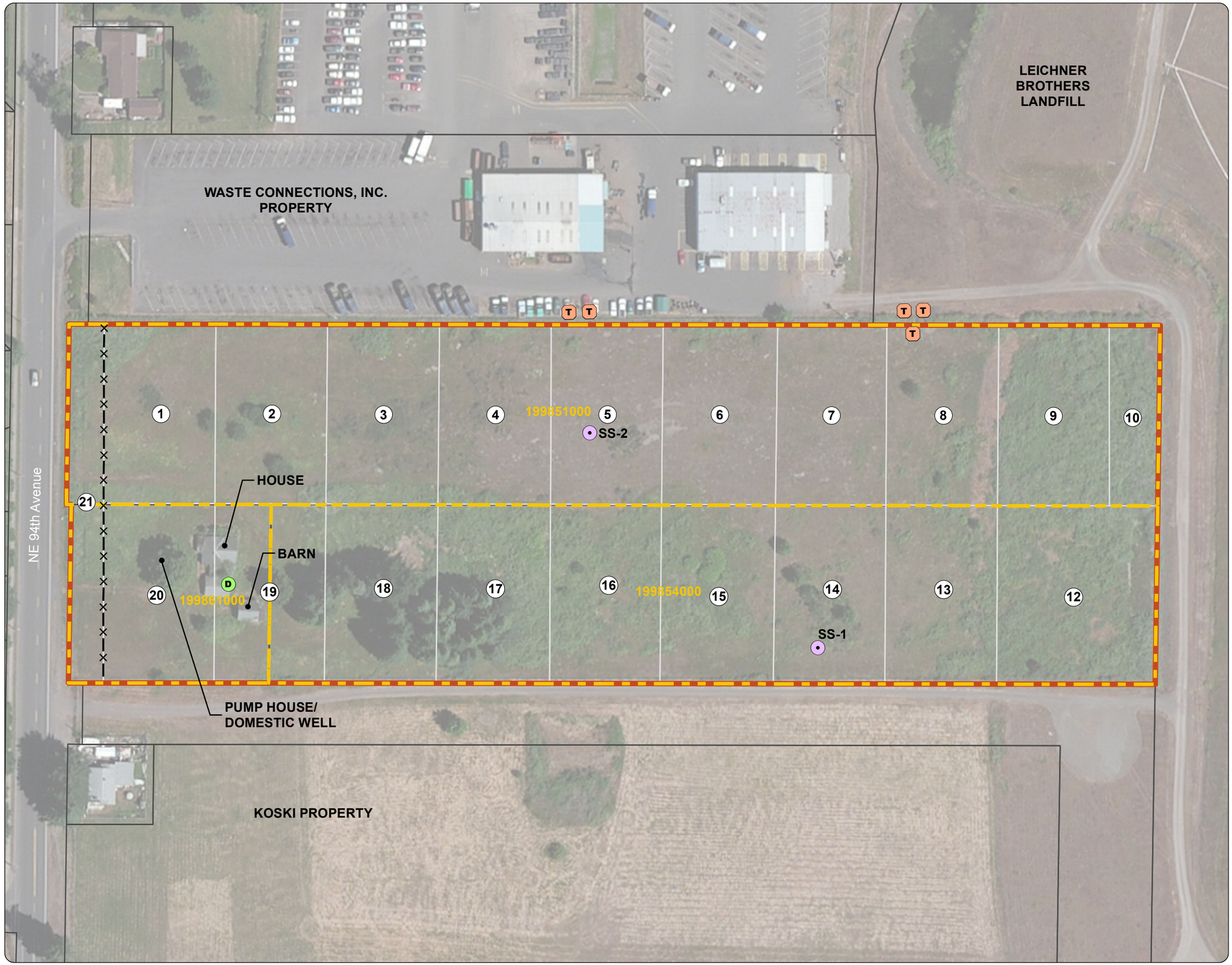

Figure 3
Site Features

Fleischer Properties
Focused Site Characterization
9109 and 9115 Northeast 94th Avenue
Vancouver, Washington

Legend

- Drum
- Pole-mounted Transformer
- Residual Fill Material Sample Location from 2010 GeoDesign, Inc. Investigation
- Fence
- Composite Soil Sample Section from 2010 GeoDesign, Inc. Investigation
- Site Boundary
- Site Tax Lot
- Tax Lot Boundary

Note: All site feature locations are approximate.

0 50 100
Feet

Source: Aerial photograph obtained from Esri ArcGIS Online; tax lots obtained from Clark County

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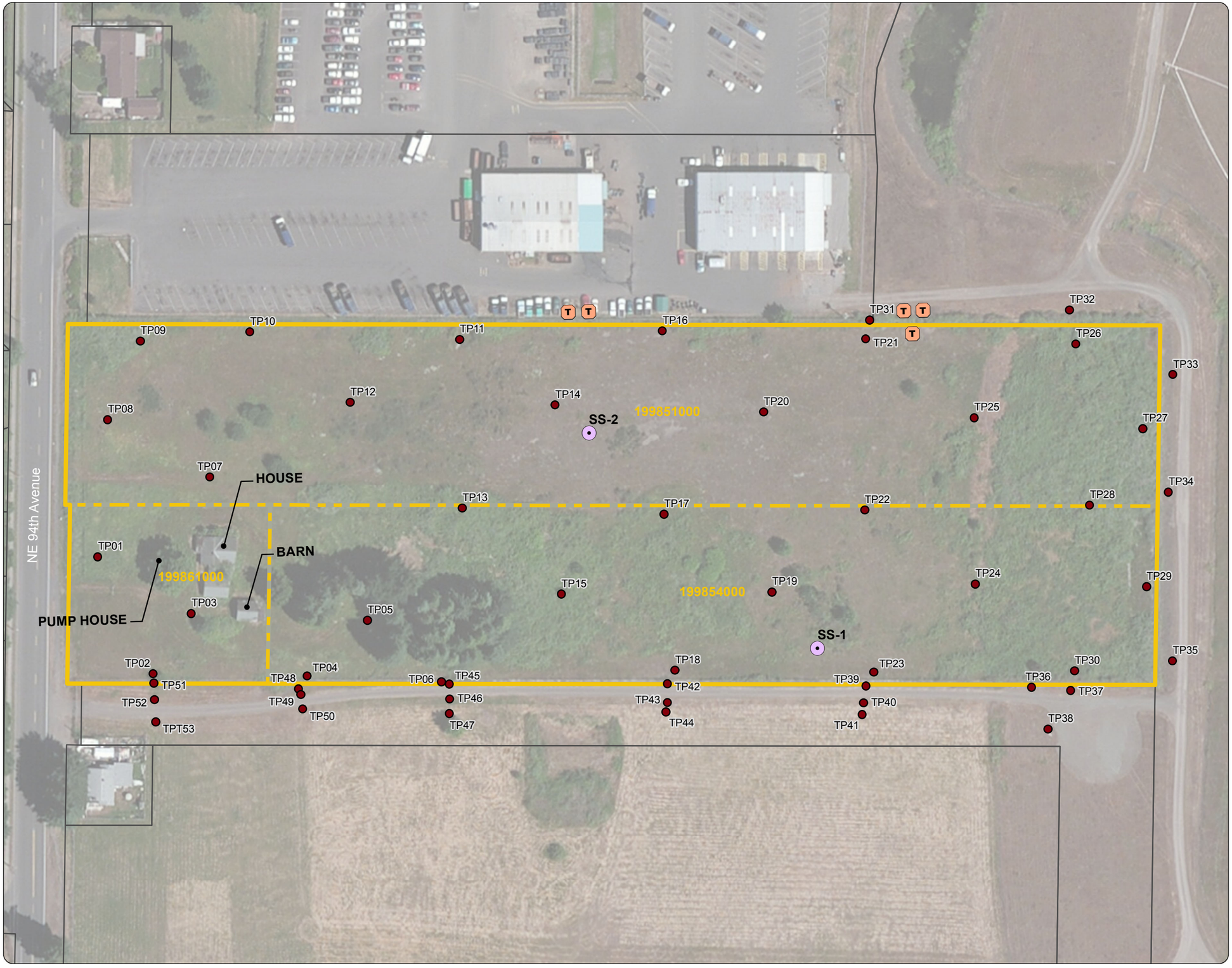
Path: X:\9059.07 Clark County\04 Fleischer IP\GIS\Projects\Preliminary\RandFS\Fig3_Site Features.mxd
Print Date: 12/10/2014
Approved By: kroslund
Produced By: gherbert
Project: 9059.07.04

Figure 4
Investigation Locations

Fleischer Properties
Focused Site Characterization
9109 and 9115 Northeast 94th Avenue
Vancouver, Washington



Legend

- Test Pit
- Pole-mounted Transformer
- Residual Fill Material Sample Location from 2010 GeoDesign, Inc. Investigation
- Site Boundary
- Site Tax Lot
- Tax Lot Boundary

Note: All site feature locations are approximate.

0 50 100
Feet

Source: Aerial photograph obtained from Esri ArcGIS Online; tax lots obtained from Clark County

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Path: X:\9059.07 Clark County\04 Fleischer IPG\Projects\Preliminary\Rland FS\Fig4_Investigation Locations.mxd
Print Date: 12/10/2014
Approved By: kroslund
Produced By: gherbert
Project: 9059.07.04

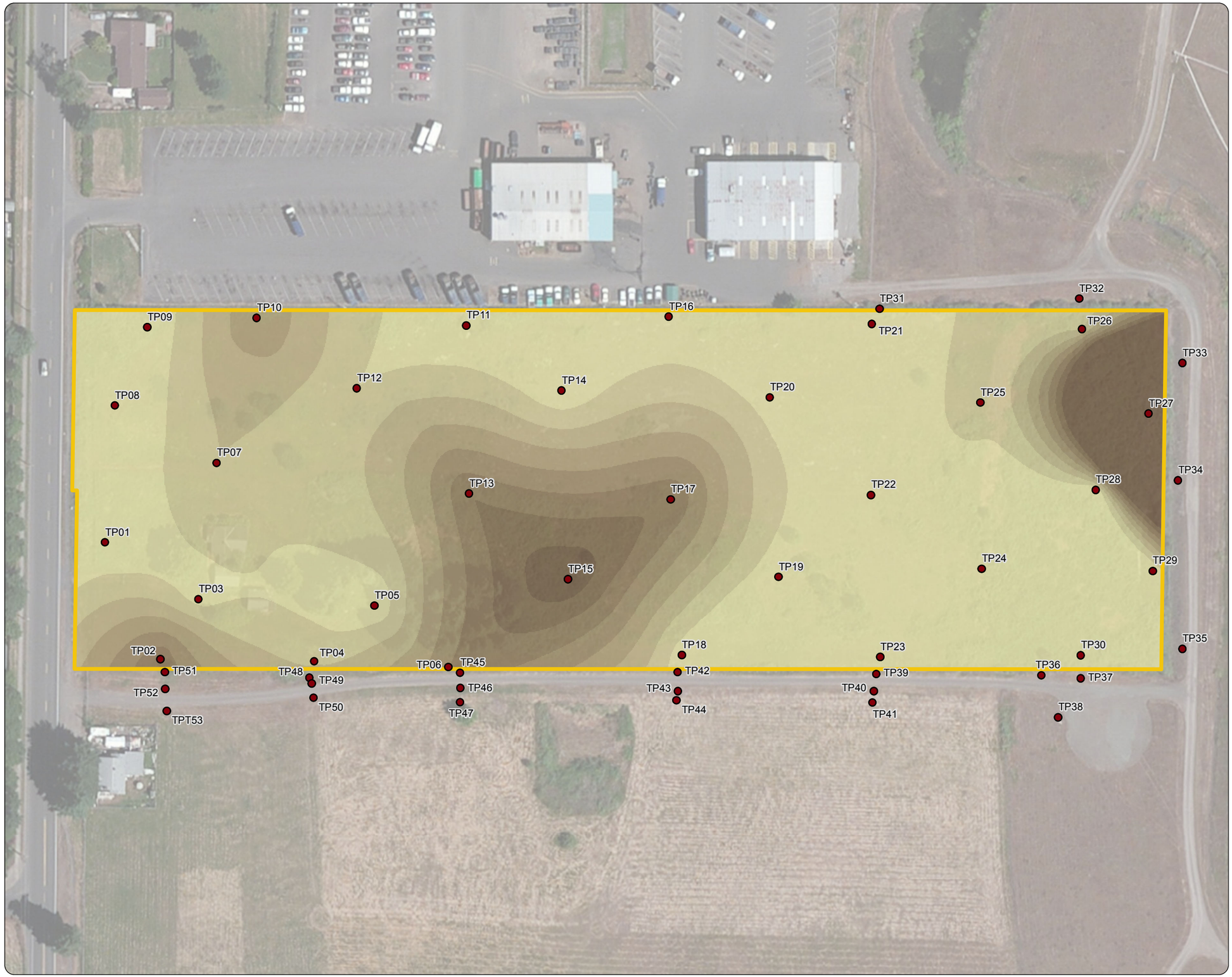

Figure 5
Clarifier Solids Depth

Fleischer Properties
Focused Site Characterization
9109 and 9115 Northeast 94th Avenue
Vancouver, Washington

Legend

- Test Pit
- Site Boundary

Interpolated Fill Depth (ft)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1
- 1 - 1.25
- 1.25 - 1.5
- 1.5 - 1.75
- > 1.75

Notes:
1. All site feature locations are approximate.
2. The Natural Neighbor method was used to interpolate measured Fill Depth.

0 50 100
Feet

Source: Aerial photograph obtained from Esri ArcGIS Online; tax lots obtained from Clark County

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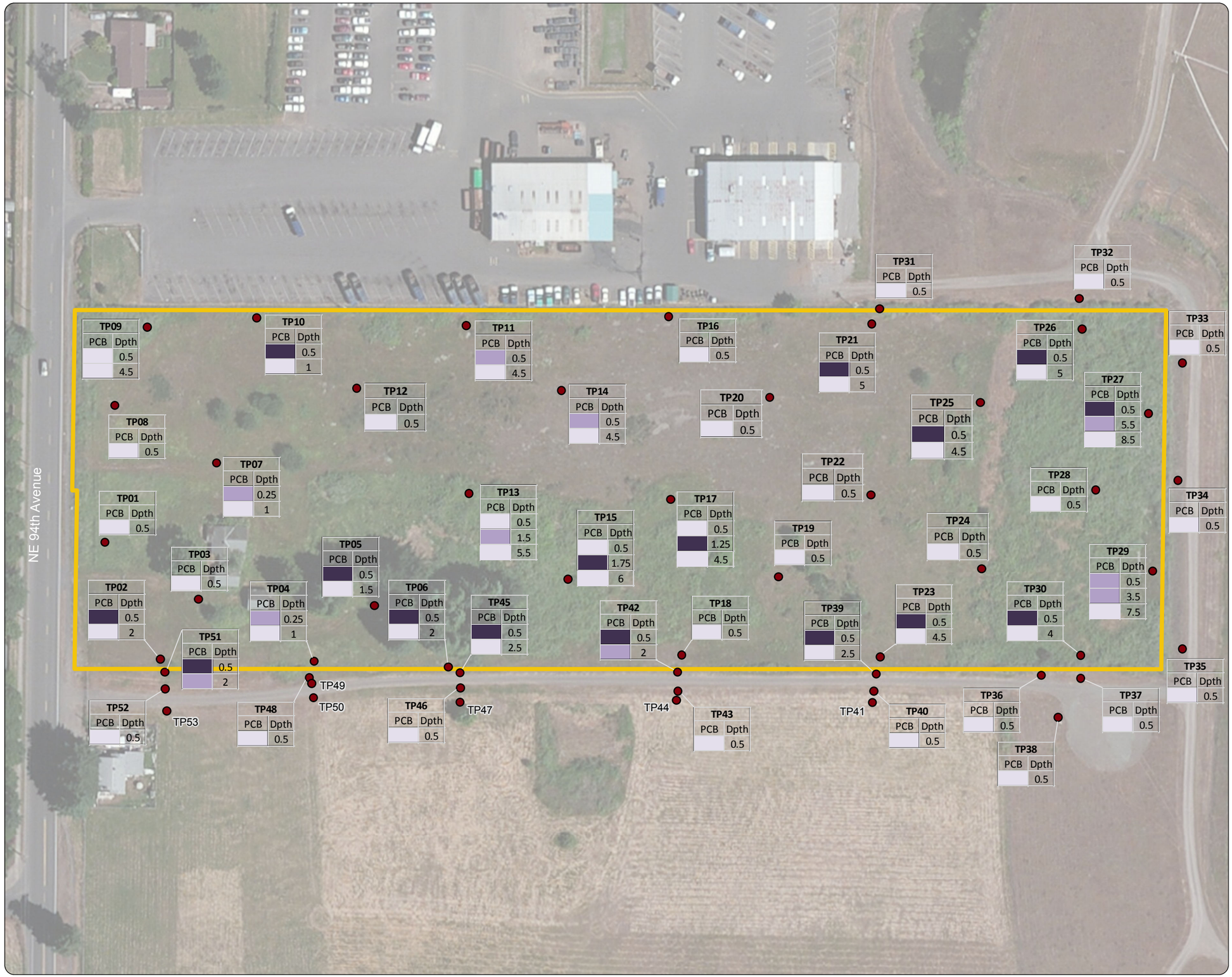
Path: X:\9059.07 Clark County\04 Fleischer IPG\Projects\Preliminary\RI and FS\Fig5_Clarifier Solids Depth.mxd
Print Date: 12/10/2014
Approved By: kroslund
Produced By: gherbert
Project: 9059.07.04

Figure 6
PCB Concentrations

Fleischer Properties
Focused Site Characterization
9109 and 9115 Northeast 94th Avenue
Vancouver, Washington



Legend

- Test Pit
- Site Boundary

PCB Concentrations (mg/kg)

- < 1
- 1-10
- > 10

Notes:
1. All site feature locations are approximate.
2. Dpth = depth in feet below ground surface.
3. mg/kg = milligrams per kilogram.
4. PCB = polychlorinated biphenyl.
5. PCB Concentrations value is for total PCBs.
6. Model Toxics Control Act Method A cleanup level for unrestricted land use is 1mg/kg for PCB mixtures in soil.

0 50 100
Feet

Source: Aerial photograph obtained from Esri ArcGIS Online; tax lots obtained from Clark County

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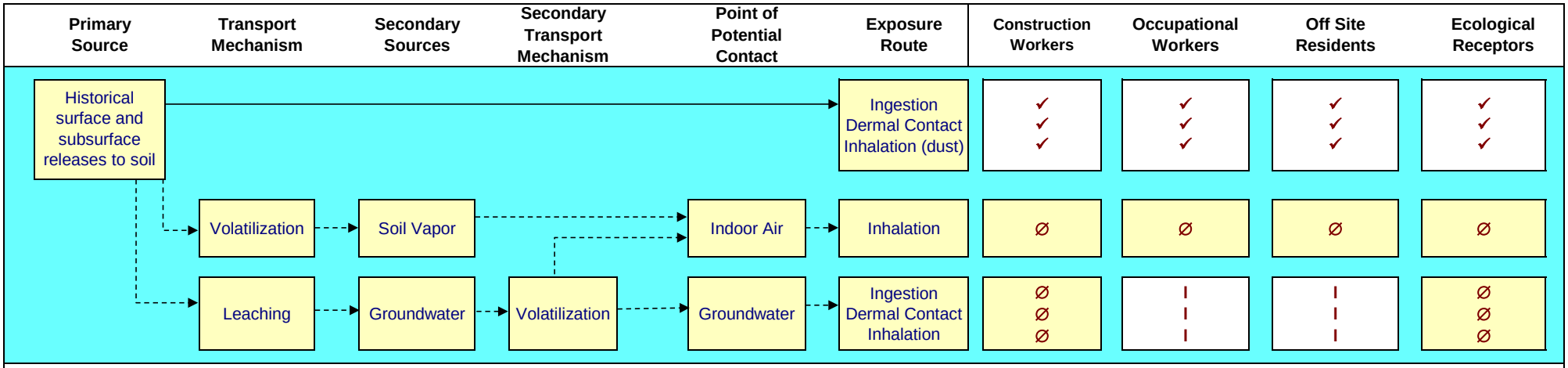
Path: X:\9059.07 Clark County\04 Fleischer IP\G\Projects\Preliminary\RandF\SIFig6_PCB Concentrations.mxd
Print Date: 12/10/2014
Approved By: kroslund
Produced By: gherbert
Project: 9059.07.04

Figure 7
Conceptual Site Model of Potential Human and Ecological Exposure Pathways
Fleischer Properties
Focused Site Characterization
Vancouver, Washington



Notes:

Primary pathway ⟶
Potential pathway - - ->
Potentially complete exposure route ✓
Incomplete exposure route ∅
Insignificant exposure route I

APPENDIX A

2010 LABORATORY ANALYTICAL RESULTS

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Friday, September 4, 2009

Colby Hunt
GeoDesign, Inc.
15575 SW Sequoia Pkwy, Ste 100
Portland, OR 97224

RE: NE 94th Ave Property / GillilandJ-1-01

Enclosed are the results of analyses for work order A908221, which was received by the laboratory on 8/24/2009 at 1:06:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1	A908221-01	Soil	08/18/09 08:45	08/24/09 13:06
SS-2	A908221-02	Soil	08/18/09 09:00	08/24/09 13:06

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

ANALYTICAL SAMPLE RESULTS

Hydrocarbon Identification (HCID) Screen by NWTPH

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-1 (A908221-01)			**Matrix: Soil**					
Gasoline Range Organics	ND	---	16.5	mg/kg dry	1	08/25/09 02:17	NWTPH-HCID	
Diesel Range Organics	DET	---	41.3	"	"	"	"	F-05
Oil Range Organics	DET	---	82.6	"	"	"	"	F-03
Surrogate: o-Terphenyl (Surr)			*Recovery: 82 %*	*Limits: 50-150 %*	"	"	"	
SS-2 (A908221-02)			**Matrix: Soil**					
Gasoline Range Organics	ND	---	23.7	mg/kg dry	1	08/25/09 03:05	NWTPH-HCID	
Diesel Range Organics	ND	---	59.2	"	"	"	"	
Oil Range Organics	ND	---	118	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 94 %*	*Limits: 50-150 %*	"	"	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

ANALYTICAL SAMPLE RESULTS

Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-1 (A908221-01)			**Matrix: Soil**					
Diesel Range Organics	**127**	---	24.4	mg/kg dry	1	09/02/09 10:15	NWTPH-Dx(SG)	F-03, F-05
Oil Range Organics	**387**	---	48.7	"	"	"	"	F-03
Surrogate: o-Terphenyl (Surr)			*Recovery: 91 %*	*Limits: 50-150 %*	"	"	"	

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Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-1 (A908221-01RE2)			**Matrix: Soil**					**C-07**
Aroclor 1016	ND	---	7250	ug/kg dry	1000	08/27/09 10:14	EPA 8082A	
Aroclor 1221	ND	---	7250	"	"	"	"	
Aroclor 1232	ND	---	7250	"	"	"	"	
Aroclor 1242	ND	---	7250	"	"	"	"	
Aroclor 1248	**128000**	---	7250	"	"	"	"	
Aroclor 1254	ND	---	7250	"	"	"	"	
Aroclor 1260	ND	---	7250	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 150 %*	*Limits: 50-125 %*	"	"	"	*S-05*
Decachlorobiphenyl (Surr)			*317 %*	*Limits: 55-130 %*	"	"	"	*S-05*
SS-2 (A908221-02RE1)			**Matrix: Soil**					**C-07**
Aroclor 1016	ND	---	1050	ug/kg dry	100	08/27/09 10:29	EPA 8082A	
Aroclor 1221	ND	---	1050	"	"	"	"	
Aroclor 1232	ND	---	1050	"	"	"	"	
Aroclor 1242	ND	---	1050	"	"	"	"	
Aroclor 1248	**30100**	---	1050	"	"	"	"	
Aroclor 1254	ND	---	1050	"	"	"	"	
Aroclor 1260	ND	---	1050	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 118 %*	*Limits: 50-125 %*	"	"	"	
Decachlorobiphenyl (Surr)			*133 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-09*

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Philip Nerenberg, Lab Director

Apex Labs

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Tigard, OR 97223
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503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-1 (A908221-01)			**Matrix: Soil**					
Antimony	ND	---	1.10	mg/kg dry	10	08/27/09 15:44	EPA 6020	
Arsenic	**2.63**	---	1.10	"	"	"	"	
Beryllium	ND	---	2.20	"	"	"	"	
Cadmium	ND	---	1.10	"	"	"	"	
Chromium	**19.8**	---	2.20	"	"	"	"	
Copper	**38.7**	---	4.40	"	"	"	"	
Lead	**44.2**	---	1.10	"	"	"	"	
Mercury	**0.0989**	---	0.0879	"	"	"	"	
Nickel	**9.27**	---	2.20	"	"	"	"	
Selenium	ND	---	1.10	"	"	"	"	
Silver	ND	---	1.10	"	"	"	"	
Thallium	ND	---	1.10	"	"	"	"	
Zinc	**1130**	---	22.0	"	50	08/27/09 16:22	"	
SS-2 (A908221-02)			**Matrix: Soil**					
Antimony	ND	---	1.56	mg/kg dry	10	08/27/09 16:15	EPA 6020	
Arsenic	**2.06**	---	1.56	"	"	"	"	
Beryllium	ND	---	3.11	"	"	"	"	
Cadmium	ND	---	1.56	"	"	"	"	
Chromium	**11.8**	---	3.11	"	"	"	"	
Copper	**23.3**	---	6.23	"	"	"	"	
Lead	**16.1**	---	1.56	"	"	"	"	
Mercury	ND	---	0.125	"	"	"	"	
Nickel	**11.4**	---	3.11	"	"	"	"	
Selenium	ND	---	1.56	"	"	"	"	
Silver	ND	---	1.56	"	"	"	"	
Thallium	ND	---	1.56	"	"	"	"	
Zinc	**1200**	---	31.1	"	50	08/27/09 17:04	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-1 (A908221-01)			**Matrix: Soil**					
% Solids	**94.4**	---	1.00	% by Weight	1	08/25/09 08:04	D2216	
SS-2 (A908221-02)			**Matrix: Soil**					
% Solids	**69.5**	---	1.00	% by Weight	1	08/25/09 08:04	D2216	

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Tigard, OR 97223
503-718-2323 Phone
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GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

QUALITY CONTROL (QC) SAMPLE RESULTS

Hydrocarbon Identification (HCID) Screen by NWTPH

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9080386 - EPA 3546 (Fuels)							**Soil**					
Blank (9080386-BLK1)					Prepared: 08/24/09 11:38 Analyzed: 08/24/09 18:05							
NWTPH-HCID												
Gasoline Range Organics	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	B-02
Diesel Range Organics	ND	---	50.0	"	"	---	---	---	---	---	---	
Oil Range Organics	ND	---	100	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 76 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9090018 - EPA 3546 (Fuels)							**Soil**					
Blank (9090018-BLK1)					Prepared: 09/01/09 14:11		Analyzed: 09/02/09 09:22					
NWTPH-Dx(SG)												
Diesel Range Organics	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil Range Organics	ND	---	40.0	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 102 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (9090018-BS1)					Prepared: 09/01/09 14:11		Analyzed: 09/02/09 09:45					
NWTPH-Dx(SG)												
Diesel Range Organics	82.4	---	20.0	mg/kg wet	1	83.3	---	99	70-130%	---	---	
Oil Range Organics	101	---	40.0	"	"	"	---	121	"	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 106 %*	*Limits: 50-150 %*			*Dilution: 1x*					
Duplicate (9090018-DUP1)					Prepared: 09/01/09 14:11		Analyzed: 09/02/09 11:00					
QC Source Sample: SS-1 (A908221-01)												
NWTPH-Dx(SG)												
Diesel Range Organics	**99.7**	---	26.2	mg/kg dry	1	---	127	---	---	24	40%	F-03, F-05
Oil Range Organics	**292**	---	52.4	"	"	---	387	---	---	28	40%	F-03
Surr: o-Terphenyl (Surr)			*Recovery: 84 %*	*Limits: 50-150 %*			*Dilution: 1x*					

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9080425 - EPA 3546							**Soil**					
Blank (9080425-BLK1)					Prepared: 08/26/09 11:05		Analyzed: 08/26/09 15:34					**C-07**
EPA 8082A												
Aroclor 1016	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	10.0	"	"	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 121 %*	*Limits: 50-125 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*134 %*	*55-130 %*			*"*					*Q-23, S-09*
LCS (9080425-BS1)					Prepared: 08/26/09 11:05		Analyzed: 08/26/09 15:49					**C-07**
EPA 8082A												
Aroclor 1016	202	---	10.0	ug/kg wet	1	250	---	81	40-140%	---	---	
Aroclor 1260	231	---	10.0	"	"	"	---	93	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 116 %*	*Limits: 50-125 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*131 %*	*55-130 %*			*"*					*Q-23, S-09*
Duplicate (9080425-DUP2)					Prepared: 08/26/09 11:05		Analyzed: 08/27/09 09:59					**C-07**
QC Source Sample: SS-1 (A908221-01RE2)												
EPA 8082A												
Aroclor 1016	ND	---	7290	ug/kg dry	1000	---	ND	---	---	---	30%	
Aroclor 1221	ND	---	7290	"	"	---	ND	---	---	---	30%	
Aroclor 1232	ND	---	7290	"	"	---	ND	---	---	---	30%	
Aroclor 1242	ND	---	7290	"	"	---	ND	---	---	---	30%	
Aroclor 1248	**148000**	---	7290	"	"	---	128000	---	---	15	30%	
Aroclor 1254	ND	---	7290	"	"	---	ND	---	---	---	30%	
Aroclor 1260	ND	---	7290	"	"	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 150 %*	*Limits: 50-125 %*			*Dilution: 1000x*					*S-05*
Decachlorobiphenyl (Surr)			*297 %*	*55-130 %*			*"*					*S-05*

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9080400 - EPA 3051							**Soil**					
Blank (9080400-BLK1)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 14:40					
EPA 6020												
Antimony	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Arsenic	ND	---	1.00	"	"	---	---	---	---	---	---	
Beryllium	ND	---	2.00	"	"	---	---	---	---	---	---	
Cadmium	ND	---	1.00	"	"	---	---	---	---	---	---	
Chromium	ND	---	2.00	"	"	---	---	---	---	---	---	
Copper	ND	---	4.00	"	"	---	---	---	---	---	---	
Lead	ND	---	1.00	"	"	---	---	---	---	---	---	
Mercury	ND	---	0.0800	"	"	---	---	---	---	---	---	
Nickel	ND	---	2.00	"	"	---	---	---	---	---	---	
Selenium	ND	---	1.00	"	"	---	---	---	---	---	---	
Silver	ND	---	1.00	"	"	---	---	---	---	---	---	
Thallium	ND	---	1.00	"	"	---	---	---	---	---	---	
Zinc	ND	---	4.00	"	"	---	---	---	---	---	---	
LCS (9080400-BS1)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 14:43					
EPA 6020												
Antimony	29.9	---	1.00	mg/kg wet	10	25.0	---	120	80-120%	---	---	
Arsenic	50.2	---	1.00	"	"	50.0	---	100	"	---	---	
Beryllium	24.8	---	2.00	"	"	25.0	---	99	"	---	---	
Cadmium	50.4	---	1.00	"	"	50.0	---	101	"	---	---	
Chromium	49.2	---	2.00	"	"	"	---	98	"	---	---	
Copper	54.1	---	4.00	"	"	"	---	108	"	---	---	
Lead	50.9	---	1.00	"	"	"	---	102	"	---	---	
Mercury	2.02	---	0.0800	"	"	2.00	---	101	"	---	---	
Nickel	52.5	---	2.00	"	"	50.0	---	105	"	---	---	
Selenium	24.7	---	1.00	"	"	25.0	---	99	"	---	---	
Silver	25.3	---	1.00	"	"	"	---	101	"	---	---	
Thallium	25.2	---	1.00	"	"	"	---	101	"	---	---	
Zinc	50.6	---	4.00	"	"	50.0	---	101	"	---	---	
Duplicate (9080400-DUP1)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 15:47					
QC Source Sample: SS-1 (A908221-01)												
EPA 6020												
Antimony	ND	---	1.12	mg/kg dry	10	---	ND	---	---	---	40%	

Apex Laboratories

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Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9080400 - EPA 3051							**Soil**					
Duplicate (9080400-DUP1)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 15:47					
QC Source Sample: SS-1 (A908221-01)												
Arsenic	**2.56**	---	1.12	mg/kg dry	"	---	2.63	---	---	2	40%	
Beryllium	ND	---	2.24	"	"	---	ND	---	---	---	40%	
Cadmium	ND	---	1.12	"	"	---	ND	---	---	---	40%	
Chromium	**21.0**	---	2.24	"	"	---	19.8	---	---	6	40%	
Copper	**40.6**	---	4.48	"	"	---	38.7	---	---	5	40%	
Lead	**48.1**	---	1.12	"	"	---	44.2	---	---	8	40%	
Mercury	**0.101**	---	0.0896	"	"	---	0.0989	---	---	2	40%	
Nickel	**9.47**	---	2.24	"	"	---	9.27	---	---	2	40%	
Selenium	ND	---	1.12	"	"	---	ND	---	---	---	40%	
Silver	ND	---	1.12	"	"	---	ND	---	---	---	40%	
Thallium	ND	---	1.12	"	"	---	ND	---	---	---	40%	
Duplicate (9080400-DUP2)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 16:58					
QC Source Sample: SS-1 (A908221-01)												
EPA 6020												
Zinc	**1140**	---	22.4	mg/kg dry	50	---	1130	---	---	0.7	40%	Q-16
Matrix Spike (9080400-MS1)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 16:12					
QC Source Sample: SS-1 (A908221-01)												
EPA 6020												
Antimony	26.2	---	1.08	mg/kg dry	10	26.9	0.396	96	75-125%	---	---	
Arsenic	54.1	---	1.08	"	"	54.0	2.63	95	"	---	---	
Beryllium	28.7	---	2.16	"	"	26.9	ND	107	"	---	---	
Cadmium	54.0	---	1.08	"	"	54.0	ND	100	"	---	---	
Chromium	69.3	---	2.16	"	"	"	19.8	92	"	---	---	
Copper	95.5	---	4.31	"	"	"	38.7	105	"	---	---	
Lead	98.5	---	1.08	"	"	"	44.2	101	"	---	---	
Mercury	2.16	---	0.0863	"	"	2.16	0.0989	95	"	---	---	
Nickel	65.0	---	2.16	"	"	54.0	9.27	103	"	---	---	
Selenium	27.1	---	1.08	"	"	26.9	ND	101	"	---	---	
Silver	28.5	---	1.08	"	"	"	0.242	105	"	---	---	
Thallium	27.6	---	1.08	"	"	"	ND	102	"	---	---	
Matrix Spike (9080400-MS2)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 16:19					

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9080400 - EPA 3051							**Soil**					
Matrix Spike (9080400-MS2)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 16:19					
QC Source Sample: SS-2 (A908221-02)												
EPA 6020												
Antimony	42.6	---	1.57	mg/kg dry	10	39.2	0.452	108	75-125%	---	---	
Arsenic	76.7	---	1.57	"	"	78.6	2.06	95	"	---	---	
Beryllium	42.1	---	3.14	"	"	39.2	ND	107	"	---	---	
Cadmium	79.8	---	1.57	"	"	78.6	ND	102	"	---	---	
Chromium	91.5	---	3.14	"	"	"	11.8	101	"	---	---	
Copper	116	---	6.28	"	"	"	23.3	118	"	---	---	
Lead	97.7	---	1.57	"	"	"	16.1	104	"	---	---	
Mercury	3.08	---	0.126	"	"	3.14	ND	98	"	---	---	
Nickel	92.1	---	3.14	"	"	78.6	11.4	103	"	---	---	
Selenium	38.5	---	1.57	"	"	39.2	ND	98	"	---	---	
Silver	41.7	---	1.57	"	"	"	0.327	105	"	---	---	
Thallium	40.3	---	1.57	"	"	"	ND	103	"	---	---	
Matrix Spike (9080400-MS3)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 17:01					
QC Source Sample: SS-1 (A908221-01)												
EPA 6020												
Zinc	1180	---	21.6	mg/kg dry	50	54.0	1130	95	75-125%	---	---	Q-16
Matrix Spike (9080400-MS4)					Prepared: 08/25/09 08:55		Analyzed: 08/27/09 17:12					
QC Source Sample: SS-2 (A908221-02)												
EPA 6020												
Zinc	1850	---	31.4	mg/kg dry	50	78.6	1200	820	75-125%	---	---	Q-04, Q-16

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9080380 - Dry Weight							**Soil**					

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
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503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

SAMPLE PREPARATION INFORMATION

Hydrocarbon Identification (HCID) Screen by NWTPH

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9080386							
A908221-01	Soil	NWTPH-HCID	08/18/09 08:45	08/24/09 11:38	12.83g/10mL	10g/10mL	0.78
A908221-02	Soil	NWTPH-HCID	08/18/09 09:00	08/24/09 11:38	12.15g/10mL	10g/10mL	0.82

Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9090018							
A908221-01	Soil	NWTPH-Dx(SG)	08/18/09 08:45	09/01/09 14:11	13.05g/5mL	15g/5mL	1.15

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9080425							
A908221-01RE2	Soil	EPA 8082A	08/18/09 08:45	08/26/09 11:05	14.62g/5mL	10g/5mL	0.68
A908221-02RE1	Soil	EPA 8082A	08/18/09 09:00	08/26/09 11:05	13.66g/5mL	10g/5mL	0.73

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3051

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9080400							
A908221-01	Soil	EPA 6020	08/18/09 08:45	08/25/09 08:55	0.482g/50mL	0.5g/50mL	1.04
A908221-02	Soil	EPA 6020	08/18/09 09:00	08/25/09 08:55	0.462g/50mL	0.5g/50mL	1.08

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GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-01	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	09/04/09 13:58

Notes and Definitions

Qualifiers:

B-02	Analyte detected in the extraction blank at a level below the MRL, but greater than one-half the MRL.
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interferance.
F-03	The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
F-05	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
Q-04	The RPD and/or Percent Recovery for this QC sample is outside control limits due to a non-homogeneous sample matrix.
Q-16	Reanalysis of an original Batch QC sample.
Q-23	Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Data is likely biased high.
S-05	Surrogate recovery cannot be accurately quantified due to sample dilution required from high analyte concentration and/or matrix interference.
S-09	Surrogate failed. Data accepted based on acceptable recovery of 2nd Surrogate.

Notes and Conventions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.

Apex Laboratories

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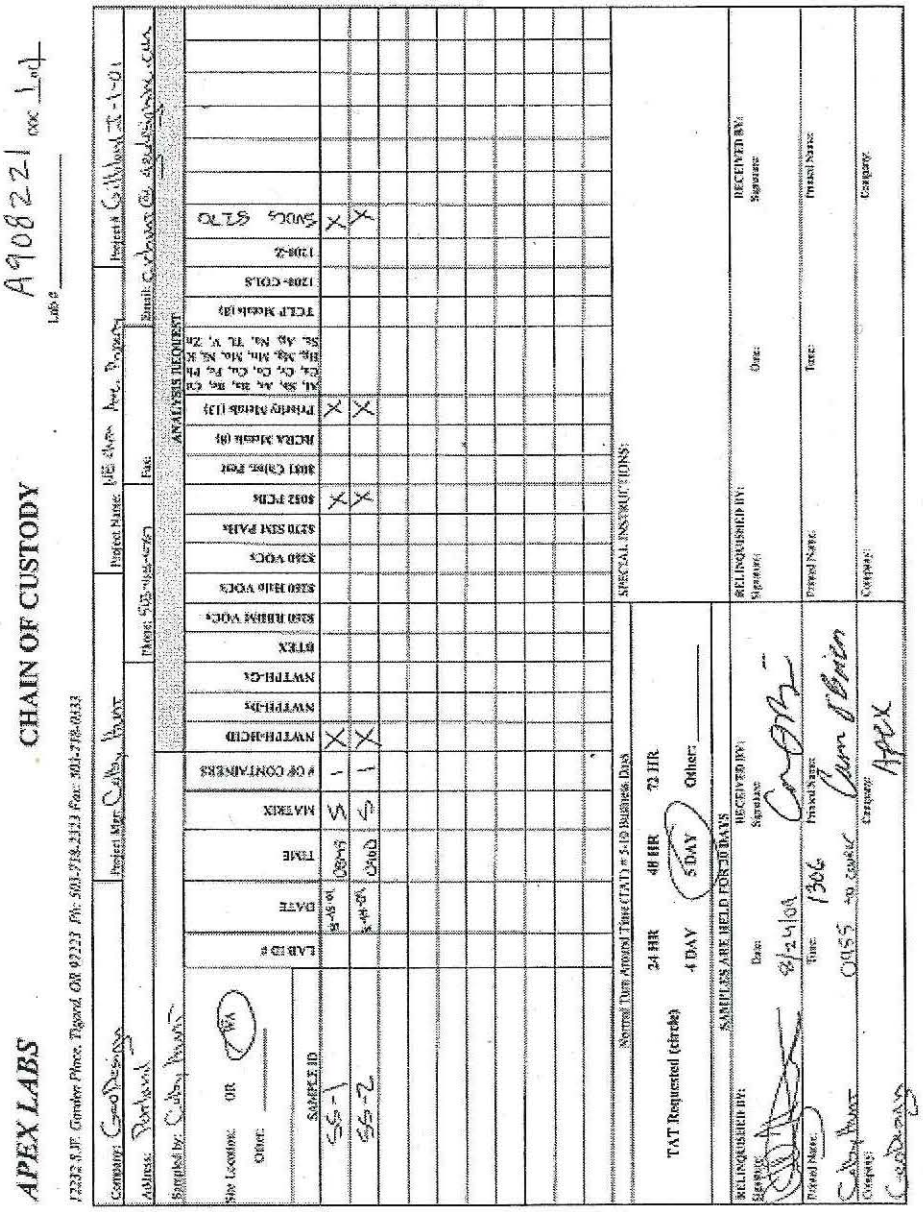
Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc. 15575 SW Sequoia Pkwy, Ste 100 Portland, OR 97224	Project: **NE 94th Ave Property** Project Number: GillilandJ-1-01 Project Manager: Colby Hunt	**Reported:** 09/04/09 13:58



APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

CHAIN OF CUSTODY

A908221 pg 1 of 1

Lab #: _____

Company: GeoDesign | Project Mgr: Colby Hunt | Project Name: NE 94th Ave. Property | Project #: Gilliland J-1-01

Address: Portland | Phone: 503-968-6767 | Fax: | Email: Colby.Hunt@GeoDesign.com

Sampled by: Colby Hunt

Site Location: OR WA Other: _____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	BTEX	8260 HALO VOCs	8260 RHINO VOCs	8260 HALO VOCs	8260 VOCs	8270 SIM PAHs	8082 PCBs	8081 Chlor. Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	TCLP Metals (8)	1208-COLS	1208-Z	SWDG 8270
SS-1		9-4-09	0845	S	1	X									X			X					
SS-2		9-4-09	0900	S	1	X									X			X					

Normal Turn Around Time (TAT) = 3-10 Business Days

TAT Requested (circle): 24 HR 48 HR 72 HR 4 DAY 5 DAY Other: _____

SAMPLES ARE HELD FOR 30 DAYS

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 9/2/09	Date:	Date:	Date:
Time: 1306	Time: 0955	Time:	Time:
Printed Name: Colby Hunt	Printed Name: Sam Sherin	Printed Name:	Printed Name:
Company: GeoDesign	Company: Apex	Company:	Company:

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Philip Nerenberg

Philip Nerenberg, Lab Director

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

APEX Laboratories

Certificate of Analysis Number:

09081304

Report To:		Project Name:	A908221
APEX Laboratories		Site:	Tigard, OR
Philip Nerenberg		Site Address:	
12232 SW Garden Place			
		PO Number:	
Portland		State:	Oregon
OR		State Cert. No.:	TX200001
97223-		Date Reported:	8/31/2009
ph (503) 718-2323	fax:		

This Report Contains A Total Of 19 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

8/31/2009

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:
APEX Laboratories

Certificate of Analysis Number:
09081304

Report To:		Project Name:	A908221
APEX Laboratories		Site:	Tigard, OR
Philip Nerenberg		Site Address:	
12232 SW Garden Place			
		PO Number:	
Portland			
OR		State:	Oregon
97223-		State Cert. No.:	TX200001
ph (503) 718-2323	fax:	Date Reported:	8/31/2009

SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

Alisha C. Rodriguez

8/31/2009

Alisha C. Rodriguez
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

APEX Laboratories

Certificate of Analysis Number:

09081304

Report To: APEX Laboratories
Philip Nerenberg
12232 SW Garden Place

Portland
OR
97223-
ph (503) 718-2323 fax: (503) 718-0333

Fax To:

Project Name: A908221
Site: Tigard, OR
Site Address:

PO Number:
State: Oregon
State Cert. No.: TX200001
Date Reported: 8/31/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SS-1	09081304-01	Soil	8/18/2009 8:45:00 AM	8/26/2009 9:00:00 AM		☐
SS-2	09081304-02	Soil	8/18/2009 9:00:00 AM	8/26/2009 9:00:00 AM		☐

Alisha C. Rodriguez

8/31/2009

Alisha C. Rodriguez
Project Manager

Date

Kesavalu M. Bagawandoss Ph.D., J.D.
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID SS-1 **Collected:** 08/18/2009 8:45 **SPL Sample ID:** 09081304-01

Site: **Tigard, OR**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**	
Percent Moisture	5.87		0	1	08/27/09 12:40	EB1	5179401

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID SS-1 **Collected:** 08/18/2009 8:45 **SPL Sample ID:** 09081304-01

Site: Tigard, OR

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/kg-dry**		
1,2,4-Trichlorobenzene	ND		180	1	08/28/09 14:54	E_R	5182006
1,2-Dichlorobenzene	ND		180	1	08/28/09 14:54	E_R	5182006
1,2-Diphenylhydrazine	ND		180	1	08/28/09 14:54	E_R	5182006
1,3-Dichlorobenzene	ND		180	1	08/28/09 14:54	E_R	5182006
1,4-Dichlorobenzene	ND		180	1	08/28/09 14:54	E_R	5182006
2,4,5-Trichlorophenol	ND		180	1	08/28/09 14:54	E_R	5182006
2,4,6-Trichlorophenol	ND		180	1	08/28/09 14:54	E_R	5182006
2,4-Dichlorophenol	ND		180	1	08/28/09 14:54	E_R	5182006
2,4-Dimethylphenol	ND		180	1	08/28/09 14:54	E_R	5182006
2,4-Dinitrophenol	ND		180	1	08/28/09 14:54	E_R	5182006
2,4-Dinitrotoluene	ND		180	1	08/28/09 14:54	E_R	5182006
2,6-Dinitrotoluene	ND		180	1	08/28/09 14:54	E_R	5182006
2-Chloronaphthalene	ND		180	1	08/28/09 14:54	E_R	5182006
2-Chlorophenol	ND		180	1	08/28/09 14:54	E_R	5182006
2-Methylnaphthalene	ND		180	1	08/28/09 14:54	E_R	5182006
2-Nitroaniline	ND		180	1	08/28/09 14:54	E_R	5182006
2-Nitrophenol	ND		180	1	08/28/09 14:54	E_R	5182006
3,3'-Dichlorobenzidine	ND		180	1	08/28/09 14:54	E_R	5182006
3-Nitroaniline	ND		180	1	08/28/09 14:54	E_R	5182006
4,6-Dinitro-2-methylphenol	ND		180	1	08/28/09 14:54	E_R	5182006
4-Bromophenyl phenyl ether	ND		180	1	08/28/09 14:54	E_R	5182006
4-Chloro-3-methylphenol	ND		180	1	08/28/09 14:54	E_R	5182006
4-Chloroaniline	ND		180	1	08/28/09 14:54	E_R	5182006
4-Chlorophenyl phenyl ether	ND		180	1	08/28/09 14:54	E_R	5182006
4-Nitroaniline	ND		180	1	08/28/09 14:54	E_R	5182006
4-Nitrophenol	ND		180	1	08/28/09 14:54	E_R	5182006
Acenaphthene	ND		180	1	08/28/09 14:54	E_R	5182006
Acenaphthylene	ND		180	1	08/28/09 14:54	E_R	5182006
Aniline	ND		180	1	08/28/09 14:54	E_R	5182006
Anthracene	ND		180	1	08/28/09 14:54	E_R	5182006
Benz(a)anthracene	ND		180	1	08/28/09 14:54	E_R	5182006
Benzo(a)pyrene	ND		180	1	08/28/09 14:54	E_R	5182006
Benzo(b)fluoranthene	ND		180	1	08/28/09 14:54	E_R	5182006
Benzo(g,h,i)perylene	ND		180	1	08/28/09 14:54	E_R	5182006
Benzo(k)fluoranthene	ND		180	1	08/28/09 14:54	E_R	5182006
Benzoic acid	ND		710	1	08/28/09 14:54	E_R	5182006
Benzyl alcohol	ND		180	1	08/28/09 14:54	E_R	5182006
Bis(2-chloroethoxy)methane	ND		180	1	08/28/09 14:54	E_R	5182006
Bis(2-chloroethyl)ether	ND		180	1	08/28/09 14:54	E_R	5182006

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID SS-1 **Collected:** 08/18/2009 8:45 **SPL Sample ID:** 09081304-01

Site: Tigard, OR

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Bis(2-chloroisopropyl)ether	ND			180	1	08/28/09 14:54	E_R	5182006
Bis(2-ethylhexyl)phthalate	ND			180	1	08/28/09 14:54	E_R	5182006
Butyl benzyl phthalate	ND			180	1	08/28/09 14:54	E_R	5182006
Carbazole	ND			180	1	08/28/09 14:54	E_R	5182006
Chrysene	ND			180	1	08/28/09 14:54	E_R	5182006
Dibenz(a,h)anthracene	ND			180	1	08/28/09 14:54	E_R	5182006
Dibenzofuran	ND			180	1	08/28/09 14:54	E_R	5182006
Diethyl phthalate	ND			180	1	08/28/09 14:54	E_R	5182006
Dimethyl phthalate	ND			180	1	08/28/09 14:54	E_R	5182006
Di-n-butyl phthalate	ND			180	1	08/28/09 14:54	E_R	5182006
Di-n-octyl phthalate	ND			180	1	08/28/09 14:54	E_R	5182006
Fluoranthene	ND			180	1	08/28/09 14:54	E_R	5182006
Fluorene	ND			180	1	08/28/09 14:54	E_R	5182006
Hexachlorobenzene	ND			180	1	08/28/09 14:54	E_R	5182006
Hexachlorobutadiene	ND			180	1	08/28/09 14:54	E_R	5182006
Hexachlorocyclopentadiene	ND			180	1	08/28/09 14:54	E_R	5182006
Hexachloroethane	ND			180	1	08/28/09 14:54	E_R	5182006
Indeno(1,2,3-cd)pyrene	ND			180	1	08/28/09 14:54	E_R	5182006
Isophorone	ND			180	1	08/28/09 14:54	E_R	5182006
Naphthalene	ND			180	1	08/28/09 14:54	E_R	5182006
Nitrobenzene	ND			180	1	08/28/09 14:54	E_R	5182006
N-Nitrosodi-n-propylamine	ND			180	1	08/28/09 14:54	E_R	5182006
N-Nitrosodiphenylamine	ND			350	1	08/28/09 14:54	E_R	5182006
Pentachlorophenol	ND			180	1	08/28/09 14:54	E_R	5182006
Phenanthrene	ND			180	1	08/28/09 14:54	E_R	5182006
Phenol	ND			180	1	08/28/09 14:54	E_R	5182006
Pyrene	ND			180	1	08/28/09 14:54	E_R	5182006
Pyridine	ND			180	1	08/28/09 14:54	E_R	5182006
2-Methylphenol	ND			180	1	08/28/09 14:54	E_R	5182006
3 & 4-Methylphenol	ND			350	1	08/28/09 14:54	E_R	5182006
Surr: 2,4,6-Tribromophenol	26.4		%	19-135	1	08/28/09 14:54	E_R	5182006
Surr: 2-Fluorobiphenyl	28.4		%	15-140	1	08/28/09 14:54	E_R	5182006
Surr: 2-Fluorophenol	28.1		%	15-122	1	08/28/09 14:54	E_R	5182006
Surr: Nitrobenzene-d5	27.2		%	10-134	1	08/28/09 14:54	E_R	5182006
Surr: Phenol-d5	26.7		%	10-123	1	08/28/09 14:54	E_R	5182006
Surr: Terphenyl-d14	27.6		%	18-166	1	08/28/09 14:54	E_R	5182006

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	08/27/2009 13:43	QMT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID SS-2 **Collected:** 08/18/2009 9:00 **SPL Sample ID:** 09081304-02

Site: Tigard, OR

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE				**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	26.6		0	1	08/27/09 12:40	EB1	5179399

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID SS-2 **Collected:** 08/18/2009 9:00 **SPL Sample ID:** 09081304-02

Site: Tigard, OR

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/kg-dry**		
1,2,4-Trichlorobenzene	ND		230	1	08/28/09 15:29	E_R	5182007
1,2-Dichlorobenzene	ND		230	1	08/28/09 15:29	E_R	5182007
1,2-Diphenylhydrazine	ND		230	1	08/28/09 15:29	E_R	5182007
1,3-Dichlorobenzene	ND		230	1	08/28/09 15:29	E_R	5182007
1,4-Dichlorobenzene	ND		230	1	08/28/09 15:29	E_R	5182007
2,4,5-Trichlorophenol	ND		230	1	08/28/09 15:29	E_R	5182007
2,4,6-Trichlorophenol	ND		230	1	08/28/09 15:29	E_R	5182007
2,4-Dichlorophenol	ND		230	1	08/28/09 15:29	E_R	5182007
2,4-Dimethylphenol	ND		230	1	08/28/09 15:29	E_R	5182007
2,4-Dinitrophenol	ND		230	1	08/28/09 15:29	E_R	5182007
2,4-Dinitrotoluene	ND		230	1	08/28/09 15:29	E_R	5182007
2,6-Dinitrotoluene	ND		230	1	08/28/09 15:29	E_R	5182007
2-Chloronaphthalene	ND		230	1	08/28/09 15:29	E_R	5182007
2-Chlorophenol	ND		230	1	08/28/09 15:29	E_R	5182007
2-Methylnaphthalene	ND		230	1	08/28/09 15:29	E_R	5182007
2-Nitroaniline	ND		230	1	08/28/09 15:29	E_R	5182007
2-Nitrophenol	ND		230	1	08/28/09 15:29	E_R	5182007
3,3'-Dichlorobenzidine	ND		230	1	08/28/09 15:29	E_R	5182007
3-Nitroaniline	ND		230	1	08/28/09 15:29	E_R	5182007
4,6-Dinitro-2-methylphenol	ND		230	1	08/28/09 15:29	E_R	5182007
4-Bromophenyl phenyl ether	ND		230	1	08/28/09 15:29	E_R	5182007
4-Chloro-3-methylphenol	ND		230	1	08/28/09 15:29	E_R	5182007
4-Chloroaniline	ND		230	1	08/28/09 15:29	E_R	5182007
4-Chlorophenyl phenyl ether	ND		230	1	08/28/09 15:29	E_R	5182007
4-Nitroaniline	ND		230	1	08/28/09 15:29	E_R	5182007
4-Nitrophenol	ND		230	1	08/28/09 15:29	E_R	5182007
Acenaphthene	ND		230	1	08/28/09 15:29	E_R	5182007
Acenaphthylene	ND		230	1	08/28/09 15:29	E_R	5182007
Aniline	ND		230	1	08/28/09 15:29	E_R	5182007
Anthracene	ND		230	1	08/28/09 15:29	E_R	5182007
Benz(a)anthracene	ND		230	1	08/28/09 15:29	E_R	5182007
Benzo(a)pyrene	ND		230	1	08/28/09 15:29	E_R	5182007
Benzo(b)fluoranthene	ND		230	1	08/28/09 15:29	E_R	5182007
Benzo(g,h,i)perylene	ND		230	1	08/28/09 15:29	E_R	5182007
Benzo(k)fluoranthene	ND		230	1	08/28/09 15:29	E_R	5182007
Benzoic acid	ND		910	1	08/28/09 15:29	E_R	5182007
Benzyl alcohol	ND		230	1	08/28/09 15:29	E_R	5182007
Bis(2-chloroethoxy)methane	ND		230	1	08/28/09 15:29	E_R	5182007
Bis(2-chloroethyl)ether	ND		230	1	08/28/09 15:29	E_R	5182007

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID SS-2 **Collected:** 08/18/2009 9:00 **SPL Sample ID:** 09081304-02

Site: Tigard, OR

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Bis(2-chloroisopropyl)ether	ND			230	1	08/28/09 15:29	E_R	5182007
Bis(2-ethylhexyl)phthalate	ND			230	1	08/28/09 15:29	E_R	5182007
Butyl benzyl phthalate	ND			230	1	08/28/09 15:29	E_R	5182007
Carbazole	ND			230	1	08/28/09 15:29	E_R	5182007
Chrysene	ND			230	1	08/28/09 15:29	E_R	5182007
Dibenz(a,h)anthracene	ND			230	1	08/28/09 15:29	E_R	5182007
Dibenzofuran	ND			230	1	08/28/09 15:29	E_R	5182007
Diethyl phthalate	ND			230	1	08/28/09 15:29	E_R	5182007
Dimethyl phthalate	ND			230	1	08/28/09 15:29	E_R	5182007
Di-n-butyl phthalate	ND			230	1	08/28/09 15:29	E_R	5182007
Di-n-octyl phthalate	ND			230	1	08/28/09 15:29	E_R	5182007
Fluoranthene	ND			230	1	08/28/09 15:29	E_R	5182007
Fluorene	ND			230	1	08/28/09 15:29	E_R	5182007
Hexachlorobenzene	ND			230	1	08/28/09 15:29	E_R	5182007
Hexachlorobutadiene	ND			230	1	08/28/09 15:29	E_R	5182007
Hexachlorocyclopentadiene	ND			230	1	08/28/09 15:29	E_R	5182007
Hexachloroethane	ND			230	1	08/28/09 15:29	E_R	5182007
Indeno(1,2,3-cd)pyrene	ND			230	1	08/28/09 15:29	E_R	5182007
Isophorone	ND			230	1	08/28/09 15:29	E_R	5182007
Naphthalene	ND			230	1	08/28/09 15:29	E_R	5182007
Nitrobenzene	ND			230	1	08/28/09 15:29	E_R	5182007
N-Nitrosodi-n-propylamine	ND			230	1	08/28/09 15:29	E_R	5182007
N-Nitrosodiphenylamine	ND			450	1	08/28/09 15:29	E_R	5182007
Pentachlorophenol	ND			230	1	08/28/09 15:29	E_R	5182007
Phenanthrene	ND			230	1	08/28/09 15:29	E_R	5182007
Phenol	ND			230	1	08/28/09 15:29	E_R	5182007
Pyrene	ND			230	1	08/28/09 15:29	E_R	5182007
Pyridine	ND			230	1	08/28/09 15:29	E_R	5182007
2-Methylphenol	ND			230	1	08/28/09 15:29	E_R	5182007
3 & 4-Methylphenol	ND			450	1	08/28/09 15:29	E_R	5182007
Surr: 2,4,6-Tribromophenol	75.6		%	19-135	1	08/28/09 15:29	E_R	5182007
Surr: 2-Fluorobiphenyl	74.7		%	15-140	1	08/28/09 15:29	E_R	5182007
Surr: 2-Fluorophenol	71.6		%	15-122	1	08/28/09 15:29	E_R	5182007
Surr: Nitrobenzene-d5	68.2		%	10-134	1	08/28/09 15:29	E_R	5182007
Surr: Phenol-d5	72.8		%	10-123	1	08/28/09 15:29	E_R	5182007
Surr: Terphenyl-d14	76.5		%	18-166	1	08/28/09 15:29	E_R	5182007

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	08/27/2009 13:43	QMT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

APEX Laboratories

A908221

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 09081304
Lab Batch ID: 93321

Method Blank

RunID: R_090828B-5180902 Units: ug/kg
Analysis Date: 08/28/2009 11:22 Analyst: E_R
Preparation Date: 08/27/2009 13:43 Prep By: QMT Method SW3550C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09081304-01A	SS-1
09081304-02A	SS-2

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	170
1,2-Dichlorobenzene	ND	170
1,2-Diphenylhydrazine	ND	170
1,3-Dichlorobenzene	ND	170
1,4-Dichlorobenzene	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	170
2,4-Dichlorophenol	ND	170
2,4-Dimethylphenol	ND	170
2,4-Dinitrophenol	ND	170
2,4-Dinitrotoluene	ND	170
2,6-Dinitrotoluene	ND	170
2-Chloronaphthalene	ND	170
2-Chlorophenol	ND	170
2-Methylnaphthalene	ND	170
2-Nitroaniline	ND	170
2-Nitrophenol	ND	170
3,3'-Dichlorobenzidine	ND	170
3-Nitroaniline	ND	170
4,6-Dinitro-2-methylphenol	ND	170
4-Bromophenyl phenyl ether	ND	170
4-Chloro-3-methylphenol	ND	170
4-Chloroaniline	ND	170
4-Chlorophenyl phenyl ether	ND	170
4-Nitroaniline	ND	170
4-Nitrophenol	ND	170
Acenaphthene	ND	170
Acenaphthylene	ND	170
Aniline	ND	170
Anthracene	ND	170
Benz(a)anthracene	ND	170
Benzo(a)pyrene	ND	170
Benzo(b)fluoranthene	ND	170
Benzo(g,h,i)perylene	ND	170
Benzo(k)fluoranthene	ND	170
Benzoic acid	ND	670
Benzyl alcohol	ND	170
Bis(2-chloroethoxy)methane	ND	170
Bis(2-chloroethyl)ether	ND	170
Bis(2-chloroisopropyl)ether	ND	170
Bis(2-ethylhexyl)phthalate	ND	170
Butyl benzyl phthalate	ND	170
Carbazole	ND	170
Chrysene	ND	170
Dibenz(a,h)anthracene	ND	170
Dibenzofuran	ND	170

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

APEX Laboratories

A908221

Analysis:	**Semivolatile Organics by Method 8270C**	**WorkOrder:**	**09081304**
Method:	**SW8270C**	**Lab Batch ID:**	**93321**

Method Blank

RunID: R_090828B-5180902 Units: ug/kg

Analysis Date: 08/28/2009 11:22 Analyst: E_R

Preparation Date: 08/27/2009 13:43 Prep By: QMT Method SW3550C

Analyte	Result	Rep Limit
Diethyl phthalate	ND	170
Dimethyl phthalate	ND	170
Di-n-butyl phthalate	ND	170
Di-n-octyl phthalate	ND	170
Fluoranthene	ND	170
Fluorene	ND	170
Hexachlorobenzene	ND	170
Hexachlorobutadiene	ND	170
Hexachlorocyclopentadiene	ND	170
Hexachloroethane	ND	170
Indeno(1,2,3-cd)pyrene	ND	170
Isophorone	ND	170
Naphthalene	ND	170
Nitrobenzene	ND	170
N-Nitrosodi-n-propylamine	ND	170
N-Nitrosodiphenylamine	ND	330
Pentachlorophenol	ND	170
Phenanthrene	ND	170
Phenol	ND	170
Pyrene	ND	170
Pyridine	ND	170
2-Methylphenol	ND	170
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	75.6	19-135
Surr: 2-Fluorobiphenyl	81.8	15-140
Surr: 2-Fluorophenol	84.4	15-122
Surr: Nitrobenzene-d5	75.3	10-134
Surr: Phenol-d5	84.4	10-123
Surr: Terphenyl-d14	84.7	18-166

Laboratory Control Sample (LCS)

RunID: R_090828B-5181574 Units: ug/kg

Analysis Date: 08/28/2009 11:57 Analyst: E_R

Preparation Date: 08/27/2009 13:43 Prep By: QMT Method SW3550C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	850	510	60.0	34	116
1,2-Dichlorobenzene	850	545	64.1	32	129
1,2-Diphenylhydrazine	850	561	66.0	10	256

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

APEX Laboratories

A908221

Analysis:	**Semivolatile Organics by Method 8270C**	**WorkOrder:**	**09081304**
Method:	**SW8270C**	**Lab Batch ID:**	**93321**

Laboratory Control Sample (LCS)

RunID:	R_090828B-5181574	Units:	ug/kg
Analysis Date:	08/28/2009 11:57	Analyst:	E_R
Preparation Date:	08/27/2009 13:43	Prep By:	QMT Method SW3550C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,3-Dichlorobenzene	850	517	60.8	10	172
1,4-Dichlorobenzene	850	522	61.4	20	124
2,4,5-Trichlorophenol	850	533	62.7	40	150
2,4,6-Trichlorophenol	850	524	61.6	37	144
2,4-Dichlorophenol	850	519	61.1	39	135
2,4-Dimethylphenol	850	538	63.3	32	119
2,4-Dinitrophenol	850	502	59.1	10	191
2,4-Dinitrotoluene	850	601	70.7	30	150
2,6-Dinitrotoluene	850	554	65.2	30	150
2-Chloronaphthalene	850	519	61.1	20	175
2-Chlorophenol	850	590	69.4	23	134
2-Methylnaphthalene	850	541	63.6	30	135
2-Nitroaniline	850	541	63.6	20	175
2-Nitrophenol	850	504	59.3	29	182
3,3´-Dichlorobenzidine	850	565	66.5	10	261
3-Nitroaniline	850	556	65.4	20	175
4,6-Dinitro-2-methylphenol	850	504	59.3	10	181
4-Bromophenyl phenyl ether	850	535	62.9	20	175
4-Chloro-3-methylphenol	850	555	65.3	22	147
4-Chloroaniline	850	545	64.1	20	175
4-Chlorophenyl phenyl ether	850	536	63.1	25	158
4-Nitroaniline	850	620	72.9	20	175
4-Nitrophenol	850	532	62.6	10	132
Acenaphthene	850	514	60.5	30	160
Acenaphthylene	850	535	62.9	10	150
Aniline	1700	993	58.4	10	160
Anthracene	850	555	65.3	27	133
Benz(a)anthracene	850	597	70.2	33	143
Benzo(a)pyrene	850	553	65.1	17	163
Benzo(b)fluoranthene	850	585	68.8	24	159
Benzo(g,h,i)perylene	850	621	73.1	10	219
Benzo(k)fluoranthene	850	615	72.4	11	162
Benzoic acid	850	592	69.6	10	450
Benzyl alcohol	850	553	65.1	30	160

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

APEX Laboratories

A908221

Analysis:	**Semivolatile Organics by Method 8270C**	**WorkOrder:**	**09081304**
Method:	**SW8270C**	**Lab Batch ID:**	**93321**

Laboratory Control Sample (LCS)

RunID:	R_090828B-5181574	Units:	ug/kg
Analysis Date:	08/28/2009 11:57	Analyst:	E_R
Preparation Date:	08/27/2009 13:43	Prep By:	QMT Method SW3550C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Bis(2-chloroethoxy)methane	850	501	58.9	33	184
Bis(2-chloroethyl)ether	850	579	68.1	28	158
Bis(2-chloroisopropyl)ether	850	552	64.9	36	166
Bis(2-ethylhexyl)phthalate	850	657	77.3	10	158
Butyl benzyl phthalate	850	619	72.8	10	152
Carbazole	850	598	70.4	45	135
Chrysene	850	584	68.7	17	168
Dibenz(a,h)anthracene	850	592	69.6	10	227
Dibenzofuran	850	535	62.9	30	160
Diethyl phthalate	850	590	69.4	10	160
Dimethyl phthalate	850	562	66.1	10	112
Di-n-butyl phthalate	850	632	74.4	10	118
Di-n-octyl phthalate	850	620	72.9	10	146
Fluoranthene	850	607	71.4	26	137
Fluorene	850	540	63.5	35	135
Hexachlorobenzene	850	549	64.6	10	152
Hexachlorobutadiene	850	495	58.2	20	140
Hexachlorocyclopentadiene	850	164	19.3	10	152
Hexachloroethane	850	516	60.7	25	118
Indeno(1,2,3-cd)pyrene	850	627	73.8	10	171
Isophorone	850	598	70.4	21	196
Naphthalene	850	529	62.2	21	133
Nitrobenzene	850	505	59.4	35	180
N-Nitrosodi-n-propylamine	850	556	65.4	10	230
N-Nitrosodiphenylamine	1700	1350	79.4	30	160
Pentachlorophenol	850	424	49.9	14	176
Phenanthrene	850	572	67.3	35	135
Phenol	850	515	60.6	44	120
Pyrene	850	606	71.3	34	138
Pyridine	1700	918	54.0	10	150
2-Methylphenol	850	583	68.6	40	160
3 & 4-Methylphenol	850	617	72.6	40	160
Surr: 2,4,6-Tribromophenol	2500	1660	66.4	19	135
Surr: 2-Fluorobiphenyl	1700	1000	58.8	15	140

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

APEX Laboratories

A908221

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 09081304
Lab Batch ID: 93321

Laboratory Control Sample (LCS)

RunID: R_090828B-5181574 Units: ug/kg
Analysis Date: 08/28/2009 11:57 Analyst: E_R
Preparation Date: 08/27/2009 13:43 Prep By: QMT Method SW3550C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Surr: 2-Fluorophenol	2500	1660	66.4	15	122
Surr: Nitrobenzene-d5	1700	1000	58.8	32	153
Surr: Phenol-d5	2500	1670	66.8	10	123
Surr: Terphenyl-d14	1700	1060	62.4	18	166

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081338-06
RunID: R_090828B-5181577 Units: ug/kg-dry
Analysis Date: 08/28/2009 13:43 Analyst: E_R
Preparation Date: 08/27/2009 13:43 Prep By: QMT Method SW3550C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1290	841	65.3	1290	889	69.1	5.60	28	34	116
1,2-Dichlorobenzene	ND	1290	841	65.3	1290	895	69.5	6.28	60	32	129
1,2-Diphenylhydrazine	ND	1290	932	72.4	1290	983	76.4	5.38	60	10	256
1,3-Dichlorobenzene	ND	1290	797	61.9	1290	847	65.8	6.08	60	10	172
1,4-Dichlorobenzene	ND	1290	815	63.3	1290	841	65.3	3.11	28	20	124
2,4,5-Trichlorophenol	ND	1290	874	67.9	1290	879	68.2	0.519	60	40	150
2,4,6-Trichlorophenol	ND	1290	900	69.9	1290	929	72.1	3.15	60	37	144
2,4-Dichlorophenol	ND	1290	877	68.1	1290	886	68.8	1.03	60	39	135
2,4-Dimethylphenol	ND	1290	871	67.6	1290	923	71.6	5.74	60	32	119
2,4-Dinitrophenol	ND	1290	379	29.4	1290	298	23.2	23.7	60	10	191
2,4-Dinitrotoluene	ND	1290	903	70.1	1290	868	67.4	3.93	50	30	150
2,6-Dinitrotoluene	ND	1290	909	70.6	1290	926	71.9	1.82	60	30	150
2-Chloronaphthalene	ND	1290	929	72.1	1290	955	74.1	2.74	60	20	175
2-Chlorophenol	ND	1290	923	71.6	1290	982	76.2	6.21	40	23	134
2-Methylnaphthalene	ND	1290	885	68.7	1290	918	71.3	3.70	60	30	135
2-Nitroaniline	ND	1290	964	74.8	1290	929	72.1	3.68	60	20	175
2-Nitrophenol	ND	1290	847	65.8	1290	891	69.2	5.06	60	29	182
3,3'-Dichlorobenzidine	ND	1290	877	68.1	1290	877	68.1	0	60	10	261

Qualifiers:
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B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

APEX Laboratories

A908221

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 09081304
Lab Batch ID: 93321

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081338-06
RunID: R_090828B-5181577 Units: ug/kg-dry
Analysis Date: 08/28/2009 13:43 Analyst: E_R
Preparation Date: 08/27/2009 13:43 Prep By: QMT Method SW3550C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
3-Nitroaniline	ND	1290	717	55.6	1290	783	60.8	8.89	60	20	175
4,6-Dinitro-2-methylphenol	ND	1290	382	29.6	1290	235	18.2	47.7	60	10	181
4-Bromophenyl phenyl ether	ND	1290	839	65.2	1290	903	70.1	7.30	60	20	175
4-Chloro-3-methylphenol	ND	1290	944	73.3	1290	955	74.1	1.12	42	22	147
4-Chloroaniline	ND	1290	832	64.6	1290	859	66.7	3.23	60	20	175
4-Chlorophenyl phenyl ether	ND	1290	882	68.5	1290	918	71.3	4.04	60	25	158
4-Nitroaniline	ND	1290	894	69.4	1290	992	77.1	10.4	60	20	175
4-Nitrophenol	ND	1290	814	63.2	1290	820	63.6	0.742	50	10	132
Acenaphthene	ND	1290	909	70.6	1290	892	69.3	1.85	31	30	160
Acenaphthylene	ND	1290	948	73.6	1290	958	74.4	0.954	50	10	150
Aniline	ND	2580	1520	58.8	2580	1550	60.0	1.98	60	10	160
Anthracene	ND	1290	876	68.0	1290	942	73.2	7.33	50	27	133
Benz(a)anthracene	ND	1290	898	69.8	1290	945	73.4	5.09	50	33	143
Benzo(a)pyrene	ND	1290	792	61.5	1290	791	61.4	0.191	60	17	163
Benzo(b)fluoranthene	ND	1290	823	63.9	1290	883	68.6	7.10	60	24	159
Benzo(g,h,i)perylene	ND	1290	824	64.0	1290	820	63.6	0.553	60	10	219
Benzo(k)fluoranthene	ND	1290	856	66.5	1290	852	66.1	0.532	60	11	162
Benzoic acid	ND	1290	836	64.9	1290	835	64.8	0.181	60	10	450
Benzyl alcohol	ND	1290	927	72.0	1290	994	77.2	6.94	60	30	160
Bis(2-chloroethoxy)methane	ND	1290	845	65.6	1290	838	65.1	0.900	60	33	184
Bis(2-chloroethyl)ether	ND	1290	876	68.0	1290	959	74.5	9.08	60	28	158
Bis(2-chloroisopropyl)ether	ND	1290	853	66.2	1290	882	68.5	3.32	60	36	166
Bis(2-ethylhexyl)phthalate	ND	1290	1070	82.7	1290	1140	88.7	7.00	60	10	158
Butyl benzyl phthalate	ND	1290	985	76.5	1290	1040	81.1	5.83	60	10	152
Carbazole	ND	1290	882	68.5	1290	933	72.5	5.68	60	45	135
Chrysene	ND	1290	897	69.6	1290	952	73.9	5.90	60	17	168
Dibenz(a,h)anthracene	ND	1290	839	65.2	1290	841	65.3	0.180	60	10	227
Dibenzofuran	ND	1290	924	71.8	1290	927	72.0	0.327	60	45	135
Diethyl phthalate	ND	1290	924	71.8	1290	930	72.2	0.654	60	10	160
Dimethyl phthalate	ND	1290	902	70.0	1290	920	71.4	2.00	60	10	112
Di-n-butyl phthalate	ND	1290	935	72.6	1290	979	76.0	4.59	60	40	132
Di-n-octyl phthalate	ND	1290	1010	78.4	1290	1090	84.6	7.65	60	10	146

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HOUSTON, TX 77054
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Quality Control Report

APEX Laboratories

A908221

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 09081304
Lab Batch ID: 93321

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081338-06
RunID: R_090828B-5181577 Units: ug/kg-dry
Analysis Date: 08/28/2009 13:43 Analyst: E_R
Preparation Date: 08/27/2009 13:43 Prep By: QMT Method SW3550C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Fluoranthene	ND	1290	868	67.4	1290	906	70.4	4.27	60	26	137
Fluorene	ND	1290	897	69.6	1290	917	71.2	2.17	60	45	135
Hexachlorobenzene	ND	1290	838	65.1	1290	876	68.0	4.42	60	10	152
Hexachlorobutadiene	ND	1290	812	63.1	1290	885	68.7	8.57	60	20	140
Hexachlorocyclopentadiene	ND	1290	339	26.4	1290	286	22.2	16.9	60	10	152
Hexachloroethane	ND	1290	761	59.1	1290	791	61.4	3.91	60	25	118
Indeno(1,2,3-cd)pyrene	ND	1290	880	68.4	1290	923	71.6	4.71	60	10	171
Isophorone	ND	1290	992	77.1	1290	1000	78.0	1.21	60	21	196
Naphthalene	ND	1290	870	67.5	1290	892	69.3	2.58	60	21	133
Nitrobenzene	ND	1290	848	65.9	1290	842	65.4	0.717	60	35	180
N-Nitrosodi-n-propylamine	ND	1290	880	68.4	1290	914	70.9	3.72	38	10	230
N-Nitrosodiphenylamine	ND	2580	2170	84.1	2580	2300	89.4	6.10	60	30	160
Pentachlorophenol	ND	1290	841	65.3	1290	897	69.6	6.45	50	14	176
Phenanthrene	ND	1290	879	68.2	1290	924	71.8	5.04	60	45	135
Phenol	332	1290	1310	76.0	1290	1480	88.8	11.9	42	44	120
Pyrene	ND	1290	994	77.2	1290	1040	80.9	4.76	31	26	127
Pyridine	ND	2580	1410	54.9	2580	1470	56.9	3.58	60	10	150
2-Methylphenol	ND	1290	938	72.8	1290	965	74.9	2.87	60	40	160
3 & 4-Methylphenol	ND	1290	1070	83.1	1290	1150	89.1	6.97	60	40	160
Surr: 2,4,6-Tribromophenol	ND	3790	2520	66.4	3790	2610	68.8	3.55	30	19	135
Surr: 2-Fluorobiphenyl	ND	2580	1860	72.4	2580	1860	72.4	0	30	15	140
Surr: 2-Fluorophenol	ND	3790	2670	70.4	3790	2830	74.8	6.06	30	15	122
Surr: Nitrobenzene-d5	ND	2580	1700	65.9	2580	1760	68.2	3.51	30	10	134
Surr: Phenol-d5	ND	3790	2640	69.6	3790	2860	75.6	8.26	30	10	123
Surr: Terphenyl-d14	ND	2580	1730	67.1	2580	1820	70.6	5.13	30	18	166

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

APEX Laboratories

A908221

Analysis:	**PERCENT MOISTURE**	**WorkOrder:**	**09081304**
Method:	**D2216**	**Lab Batch ID:**	**R282195C**

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09081304-01A	SS-1
09081304-02A	SS-2

Sample Duplicate

Original Sample:	09081304-01		
RunID:	WET_090827C-5179401	Units:	wt%
Analysis Date:	08/27/2009 12:40	Analyst:	EB1

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	5.87	5.866	0.140	20

Qualifiers:

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D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	09081304	Received By:	T_B
Date and Time Received:	8/26/2009 9:00:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	1.5°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☐	No ☐	Not Applicable ☑

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

09081304

SUBCONTRACT ORDER

Apex Laboratories

A908221

SENDING LABORATORY:

Apex Laboratories
12232 S.W. Garden Place
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 718-0333
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

SPL, Inc Houston
8880 Interchange Dr.
Houston, TX 77054
Phone :(800) 969-6775
Fax: (713) 660-8975

Sample Name: SS-1 Soil **Sampled: 08/18/09 08:45** (A908221-01)

Analysis	Due	Expires	Comments
8270C Semivolatiles (BNA)	08/31/09 17:00	09/01/09 08:45	
Containers Supplied:			
(B)4 oz Glass Jar			

Sample Name: SS-2 Soil **Sampled: 08/18/09 09:00** (A908221-02)

Analysis	Due	Expires	Comments
8270C Semivolatiles (BNA)	08/31/09 17:00	09/01/09 09:00	
Containers Supplied:			
(B)4 oz Glass Jar			

Released By	Date	Received By	Date
[signature]	8/25/09	[signature]	8/26/09 9:

AF

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Thursday, November 12, 2009

Colby Hunt
GeoDesign, Inc.
15575 SW Sequoia Pkwy, Ste 100
Portland, OR 97224

RE: NE 94th Ave Property / GillilandJ-1-02

Enclosed are the results of analyses for work order A910341, which was received by the laboratory on 10/30/2009 at 12:45:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-21(0-0.5)	A910341-01	Soil	10/29/09 16:30	10/30/09 12:45
Decan Water	A910341-02	Water	10/29/09 16:45	10/30/09 12:45

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-21(0-0.5) (A910341-01RE1)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	423	ug/kg dry	50	11/09/09 19:25	EPA 8082A	
Aroclor 1221	ND	---	423	"	"	"	"	
Aroclor 1232	ND	---	423	"	"	"	"	
Aroclor 1242	ND	---	423	"	"	"	"	
Aroclor 1248	**3000**	---	423	"	"	"	"	
Aroclor 1254	ND	---	423	"	"	"	"	
Aroclor 1260	ND	---	423	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 94 %*	*Limits: 50-125 %*	"	"	"	*S-05*
Decachlorobiphenyl (Surr)			*102 %*	*Limits: 55-130 %*	"	"	"	*S-05*
Decan Water (A910341-02)			**Matrix: Water**					**C-03, C-04**
Aroclor 1016	ND	---	0.118	ug/L	1	11/07/09 10:45	EPA 8082A	
Aroclor 1221	ND	---	0.118	"	"	"	"	
Aroclor 1232	ND	---	0.118	"	"	"	"	
Aroclor 1242	ND	---	0.118	"	"	"	"	
Aroclor 1248	**2.30**	---	0.118	"	"	"	"	
Aroclor 1254	ND	---	0.118	"	"	"	"	
Aroclor 1260	ND	---	0.118	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 45 %*	*Limits: 50-125 %*	"	"	"	*S-04*
Decachlorobiphenyl (Surr)			*11 %*	*Limits: 55-130 %*	"	"	"	*S-04*

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Philip Nerenberg, Lab Director

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12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-21(0-0.5) (A910341-01)			**Matrix: Soil**					
% Solids	**81.4**	---	1.00	% by Weight	1	11/04/09 08:34	D2216	

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9110015 - EPA 3510C (Neutral pH)							**Water**					
Blank (9110015-BLK1)					Prepared: 11/02/09 12:13		Analyzed: 11/07/09 10:01					**C-03, C-04**
EPA 8082A												
Aroclor 1016	ND	---	0.100	ug/L	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	0.100	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	0.100	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	0.100	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	0.100	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	0.100	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	0.100	"	"	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 104 %*	*Limits: 50-125 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*100 %*	*55-130 %*			*"*					
LCS (9110015-BS1)					Prepared: 11/02/09 12:13		Analyzed: 11/07/09 10:15					**C-03, C-04**
EPA 8082A												
Aroclor 1016	2.24	---	0.100	ug/L	1	2.50	---	90	40-140%	---	---	
Aroclor 1260	2.39	---	0.100	"	"	"	---	96	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 98 %*	*Limits: 50-125 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*103 %*	*55-130 %*			*"*					
LCS Dup (9110015-BSD1)					Prepared: 11/02/09 12:13		Analyzed: 11/07/09 10:30					**C-03, C-04**
EPA 8082A												
Aroclor 1016	2.42	---	0.100	ug/L	1	2.50	---	97	40-140%	8	30%	
Aroclor 1260	2.46	---	0.100	"	"	"	---	99	60-130%	3	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 109 %*	*Limits: 50-125 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*103 %*	*55-130 %*			*"*					
Batch 9110081 - EPA 3546							**Soil**					
Blank (9110081-BLK1)					Prepared: 11/06/09 11:13		Analyzed: 11/07/09 10:59					**C-03, C-04**
EPA 8082A												
Aroclor 1016	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	10.0	"	"	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9110081 - EPA 3546							**Soil**					
Blank (9110081-BLK1)					Prepared: 11/06/09 11:13		Analyzed: 11/07/09 10:59					**C-03, C-04**
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 80 %*		*Limits: 50-125 %*		*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*77 %*		*55-130 %*		*"*					
LCS (9110081-BS1)					Prepared: 11/06/09 11:13		Analyzed: 11/07/09 11:14					**C-03, C-04**
EPA 8082A												
Aroclor 1016	237	---	10.0	ug/kg wet	1	250	---	95	40-140%	---	---	
Aroclor 1260	236	---	10.0	"	"	"	---	94	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 91 %*		*Limits: 50-125 %*		*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*81 %*		*55-130 %*		*"*					

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Philip Nerenberg

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15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9110032 - Dry Weight							**Soil**					

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9110015							
A910341-02	Water	EPA 8082A	10/29/09 16:45	11/02/09 12:13	850mL/5mL	1000mL/5mL	1.18

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9110081							
A910341-01RE1	Soil	EPA 8082A	10/29/09 16:30	11/06/09 11:13	14.52g/5mL	10g/5mL	0.69

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GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 15:10

Notes and Definitions

Qualifiers:

C-03	Extract has undergone Sulfuric Acid Cleanup in order to minimize matrix interferance.
C-04	Extract has undergone a Sulfur Cleanup using EPA 3660B.
S-04	Surrogate recovery is outside of established control limits due to a sample matrix effect.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

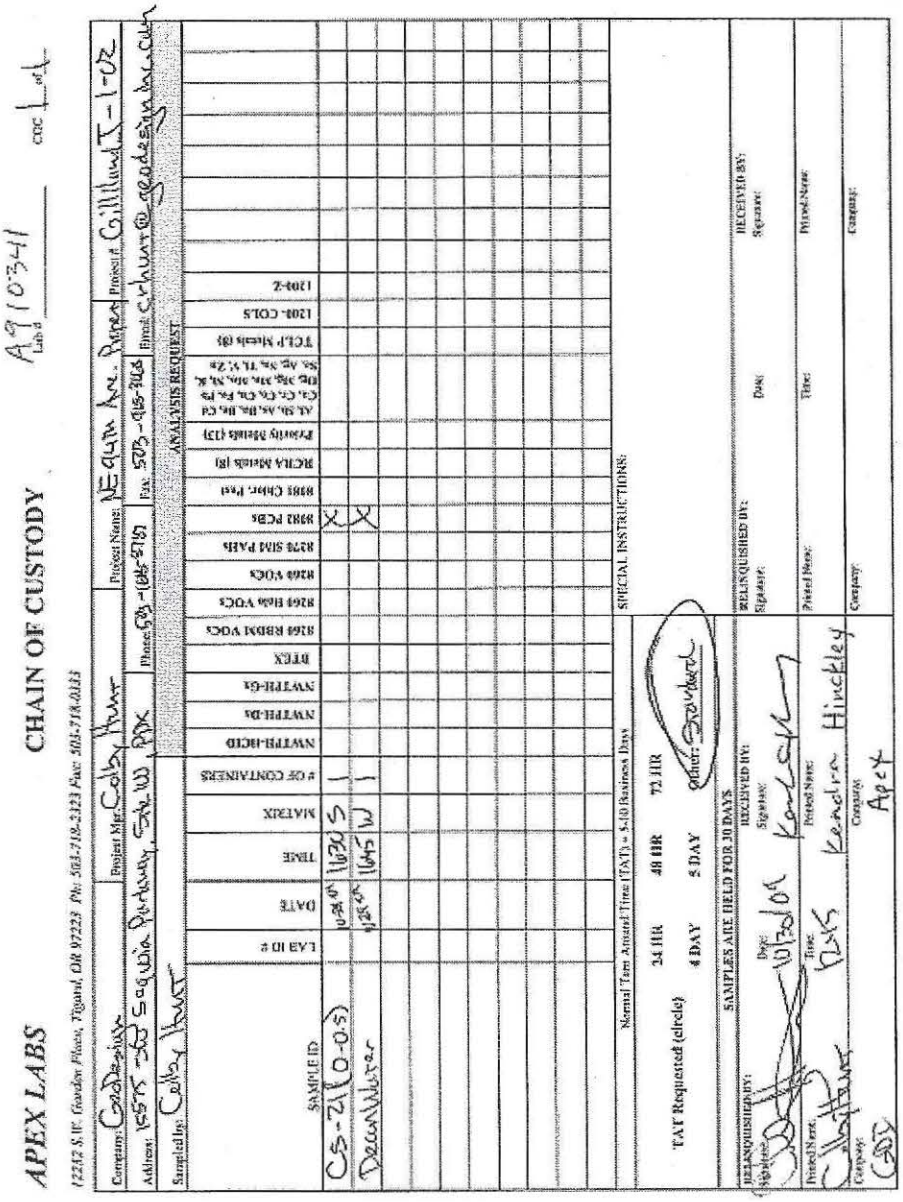
Notes and Conventions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for.Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses. For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor. Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc. 15575 SW Sequoia Pkwy, Ste 100 Portland, OR 97224	Project: **NE 94th Ave Property** Project Number: GillilandJ-1-02 Project Manager: Colby Hunt	**Reported:** 11/12/09 15:10



Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Thursday, November 12, 2009

Colby Hunt
GeoDesign, Inc.
15575 SW Sequoia Pkwy, Ste 100
Portland, OR 97224

RE: NE 94th Ave Property / GillilandJ-1-02

Enclosed are the results of analyses for work order A910329, which was received by the laboratory on 10/29/2009 at 11:28:00AM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-1 (0-0.5)	A910329-01	Soil	10/28/09 10:45	10/29/09 11:28
CS-2 (0-0.5)	A910329-02	Soil	10/28/09 11:05	10/29/09 11:28
CS-3 (0-0.5)	A910329-03	Soil	10/28/09 11:40	10/29/09 11:28
CS-4 (0-0.5)	A910329-04	Soil	10/28/09 12:00	10/29/09 11:28
CS-5 (0-0.5)	A910329-05	Soil	10/28/09 12:30	10/29/09 11:28
CS-6 (0-0.5)	A910329-06	Soil	10/28/09 13:30	10/29/09 11:28
CS-7 (0-0.5)	A910329-07	Soil	10/28/09 14:00	10/29/09 11:28
CS-8 (0-0.5)	A910329-08	Soil	10/28/09 14:25	10/29/09 11:28
CS-9 (0-0.5)	A910329-09	Soil	10/28/09 15:00	10/29/09 11:28
CS-12 (0-0.5)	A910329-10	Soil	10/28/09 16:10	10/29/09 11:28
CS-13 (0-0.5)	A910329-11	Soil	10/28/09 15:40	10/29/09 11:28
CS-14 (0-0.5)	A910329-12	Soil	10/28/09 15:30	10/29/09 11:28
CS-15 (0-0.5)	A910329-13	Soil	10/28/09 14:50	10/29/09 11:28
CS-16 (0-0.5)	A910329-14	Soil	10/28/09 14:07	10/29/09 11:28
CS-17 (0-0.5)	A910329-15	Soil	10/28/09 13:33	10/29/09 11:28
CS-18 (0-0.5)	A910329-16	Soil	10/28/09 12:21	10/29/09 11:28
CS-19 (0-0.5)	A910329-17	Soil	10/28/09 11:45	10/29/09 11:28
CS-20 (0-0.5)	A910329-18	Soil	10/28/09 11:12	10/29/09 11:28

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-1 (0-0.5) (A910329-01RE1)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	94.8	ug/kg dry	10	11/06/09 21:53	EPA 8082A	
Aroclor 1221	ND	---	94.8	"	"	"	"	
Aroclor 1232	ND	---	94.8	"	"	"	"	
Aroclor 1242	ND	---	94.8	"	"	"	"	
Aroclor 1248	**1870**	---	94.8	"	"	"	"	
Aroclor 1254	**396**	---	94.8	"	"	"	"	
Aroclor 1260	ND	---	94.8	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 112 %*	*Limits: 50-125 %*	"	"	"	*Q-23*
Decachlorobiphenyl (Surr)			*132 %*	*Limits: 55-130 %*	"	"	"	*Q-23*
CS-2 (0-0.5) (A910329-02RE1)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	462	ug/kg dry	50	11/06/09 22:07	EPA 8082A	
Aroclor 1221	ND	---	462	"	"	"	"	
Aroclor 1232	ND	---	462	"	"	"	"	
Aroclor 1242	ND	---	462	"	"	"	"	
Aroclor 1248	**10200**	---	462	"	"	"	"	
Aroclor 1254	ND	---	462	"	"	"	"	
Aroclor 1260	ND	---	462	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 248 %*	*Limits: 50-125 %*	"	"	"	*S-05, Q-23*
Decachlorobiphenyl (Surr)			*368 %*	*Limits: 55-130 %*	"	"	"	*S-05, Q-23*
CS-3 (0-0.5) (A910329-03RE1)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	933	ug/kg dry	100	11/06/09 22:22	EPA 8082A	
Aroclor 1221	ND	---	933	"	"	"	"	
Aroclor 1232	ND	---	933	"	"	"	"	
Aroclor 1242	ND	---	933	"	"	"	"	
Aroclor 1248	**17100**	---	933	"	"	"	"	
Aroclor 1254	ND	---	933	"	"	"	"	
Aroclor 1260	ND	---	933	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 102 %*	*Limits: 50-125 %*	"	"	"	*S-05, Q-23*
Decachlorobiphenyl (Surr)			*111 %*	*Limits: 55-130 %*	"	"	"	*S-05, Q-23*
CS-4 (0-0.5) (A910329-04RE1)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	1940	ug/kg dry	200	11/06/09 22:36	EPA 8082A	
Aroclor 1221	ND	---	1940	"	"	"	"	
Aroclor 1232	ND	---	1940	"	"	"	"	
Aroclor 1242	ND	---	1940	"	"	"	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-4 (0-0.5) (A910329-04RE1)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1248	**27600**	---	1940	ug/kg dry	200	"	EPA 8082A	
Aroclor 1254	ND	---	1940	"	"	"	"	
Aroclor 1260	ND	---	1940	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 835 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*1260 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-05*
CS-5 (0-0.5) (A910329-05)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	899	ug/kg dry	100	11/06/09 18:14	EPA 8082A	
Aroclor 1221	ND	---	899	"	"	"	"	
Aroclor 1232	ND	---	899	"	"	"	"	
Aroclor 1242	ND	---	899	"	"	"	"	
Aroclor 1248	**32400**	---	899	"	"	"	"	
Aroclor 1254	ND	---	899	"	"	"	"	
Aroclor 1260	ND	---	899	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 92 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*95 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-05*
CS-6 (0-0.5) (A910329-06)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	934	ug/kg dry	100	11/06/09 18:29	EPA 8082A	
Aroclor 1221	ND	---	934	"	"	"	"	
Aroclor 1232	ND	---	934	"	"	"	"	
Aroclor 1242	ND	---	934	"	"	"	"	
Aroclor 1248	**20900**	---	934	"	"	"	"	
Aroclor 1254	ND	---	934	"	"	"	"	
Aroclor 1260	ND	---	934	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 88 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*90 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-05*
CS-7 (0-0.5) (A910329-07)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	942	ug/kg dry	100	11/06/09 18:43	EPA 8082A	
Aroclor 1221	ND	---	942	"	"	"	"	
Aroclor 1232	ND	---	942	"	"	"	"	
Aroclor 1242	ND	---	942	"	"	"	"	
Aroclor 1248	**13700**	---	942	"	"	"	"	
Aroclor 1254	ND	---	942	"	"	"	"	
Aroclor 1260	ND	---	942	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 49 %*	*Limits: 50-125 %*	"	"	"	*S-05, Q-23*

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-7 (0-0.5) (A910329-07)			**Matrix: Soil**					**C-04, C-03**
Surrogate: Decachlorobiphenyl (Surr)			*Recovery: 55 %*	*Limits: 55-130 %*	100	"	EPA 8082A	*Q-23, S-05*
CS-8 (0-0.5) (A910329-08)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	943	ug/kg dry	100	11/06/09 18:58	EPA 8082A	
Aroclor 1221	ND	---	943	"	"	"	"	
Aroclor 1232	ND	---	943	"	"	"	"	
Aroclor 1242	ND	---	943	"	"	"	"	
Aroclor 1248	**3940**	---	943	"	"	"	"	
Aroclor 1254	ND	---	943	"	"	"	"	
Aroclor 1260	ND	---	943	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 68 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*80 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-05*
CS-9 (0-0.5) (A910329-09)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	909	ug/kg dry	100	11/06/09 19:12	EPA 8082A	
Aroclor 1221	ND	---	909	"	"	"	"	
Aroclor 1232	ND	---	909	"	"	"	"	
Aroclor 1242	ND	---	909	"	"	"	"	
Aroclor 1248	**4010**	---	909	"	"	"	"	
Aroclor 1254	ND	---	909	"	"	"	"	
Aroclor 1260	ND	---	909	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 54 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*61 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-05*
CS-12 (0-0.5) (A910329-10RE1)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	92.3	ug/kg dry	10	11/07/09 09:11	EPA 8082A	
Aroclor 1221	ND	---	92.3	"	"	"	"	
Aroclor 1232	ND	---	92.3	"	"	"	"	
Aroclor 1242	ND	---	92.3	"	"	"	"	
Aroclor 1248	**820**	---	92.3	"	"	"	"	
Aroclor 1254	ND	---	92.3	"	"	"	"	
Aroclor 1260	ND	---	92.3	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 64 %*	*Limits: 50-125 %*	"	"	"	
Decachlorobiphenyl (Surr)			*52 %*	*Limits: 55-130 %*	"	"	"	*S-06*
CS-13 (0-0.5) (A910329-11)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	859	ug/kg dry	100	11/06/09 19:42	EPA 8082A	
Aroclor 1221	ND	---	859	"	"	"	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-13 (0-0.5) (A910329-11)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1232	ND	---	859	ug/kg dry	100	"	EPA 8082A	
Aroclor 1242	ND	---	859	"	"	"	"	
Aroclor 1248	**3140**	---	859	"	"	"	"	
Aroclor 1254	ND	---	859	"	"	"	"	
Aroclor 1260	ND	---	859	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 87 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*88 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-05*
CS-14 (0-0.5) (A910329-12)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	909	ug/kg dry	100	11/06/09 19:56	EPA 8082A	
Aroclor 1221	ND	---	909	"	"	"	"	
Aroclor 1232	ND	---	909	"	"	"	"	
Aroclor 1242	ND	---	909	"	"	"	"	
Aroclor 1248	**20600**	---	909	"	"	"	"	
Aroclor 1254	ND	---	909	"	"	"	"	
Aroclor 1260	ND	---	909	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 75 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*77 %*	*Limits: 55-130 %*	"	"	"	*Q-23, S-05*
CS-15 (0-0.5) (A910329-13)			**Matrix: Soil**					**C-04, C-03**
Aroclor 1016	ND	---	847	ug/kg dry	100	11/06/09 20:11	EPA 8082A	
Aroclor 1221	ND	---	847	"	"	"	"	
Aroclor 1232	ND	---	847	"	"	"	"	
Aroclor 1242	ND	---	847	"	"	"	"	
Aroclor 1248	**8680**	---	847	"	"	"	"	
Aroclor 1254	ND	---	847	"	"	"	"	
Aroclor 1260	ND	---	847	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 63 %*	*Limits: 50-125 %*	"	"	"	*S-05, Q-23*
Decachlorobiphenyl (Surr)			*107 %*	*Limits: 55-130 %*	"	"	"	*S-05, Q-23*
CS-16 (0-0.5) (A910329-14RE2)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	453	ug/kg dry	50	11/07/09 09:46	EPA 8082A	
Aroclor 1221	ND	---	453	"	"	"	"	
Aroclor 1232	ND	---	453	"	"	"	"	
Aroclor 1242	ND	---	453	"	"	"	"	
Aroclor 1248	**4710**	---	453	"	"	"	"	
Aroclor 1254	ND	---	453	"	"	"	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-16 (0-0.5) (A910329-14RE2)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1260	ND	---	453	ug/kg dry	50	"	EPA 8082A	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 50 %*	*Limits: 50-125 %*	"	"	"	*S-05*
Decachlorobiphenyl (Surr)			*52 %*	*Limits: 55-130 %*	"	"	"	*S-05*
CS-17 (0-0.5) (A910329-15)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	862	ug/kg dry	100	11/06/09 20:40	EPA 8082A	
Aroclor 1221	ND	---	862	"	"	"	"	
Aroclor 1232	ND	---	862	"	"	"	"	
Aroclor 1242	ND	---	862	"	"	"	"	
Aroclor 1248	**15900**	---	862	"	"	"	"	
Aroclor 1254	ND	---	862	"	"	"	"	
Aroclor 1260	ND	---	862	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 67 %*	*Limits: 50-125 %*	"	"	"	*Q-23, S-05*
Decachlorobiphenyl (Surr)			*77 %*	*Limits: 55-130 %*	"	"	"	*S-05, Q-23*
CS-18 (0-0.5) (A910329-16)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	890	ug/kg dry	100	11/06/09 20:54	EPA 8082A	
Aroclor 1221	ND	---	890	"	"	"	"	
Aroclor 1232	ND	---	890	"	"	"	"	
Aroclor 1242	ND	---	890	"	"	"	"	
Aroclor 1248	**2390**	---	890	"	"	"	"	
Aroclor 1254	ND	---	890	"	"	"	"	
Aroclor 1260	ND	---	890	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 44 %*	*Limits: 50-125 %*	"	"	"	*S-05, Q-23*
Decachlorobiphenyl (Surr)			*52 %*	*Limits: 55-130 %*	"	"	"	*S-05, Q-23*
CS-19 (0-0.5) (A910329-17)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	892	ug/kg dry	100	11/07/09 11:28	EPA 8082A	
Aroclor 1221	ND	---	892	"	"	"	"	
Aroclor 1232	ND	---	892	"	"	"	"	
Aroclor 1242	ND	---	892	"	"	"	"	
Aroclor 1248	**3840**	---	892	"	"	"	"	
Aroclor 1254	ND	---	892	"	"	"	"	
Aroclor 1260	ND	---	892	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 38 %*	*Limits: 50-125 %*	"	"	"	*S-05*
Decachlorobiphenyl (Surr)			*40 %*	*Limits: 55-130 %*	"	"	"	*S-05*

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

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15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-20 (0-0.5) (A910329-18)			**Matrix: Soil**					**C-03, C-04**
Aroclor 1016	ND	---	923	ug/kg dry	100	11/07/09 11:43	EPA 8082A	
Aroclor 1221	ND	---	923	"	"	"	"	
Aroclor 1232	ND	---	923	"	"	"	"	
Aroclor 1242	ND	---	923	"	"	"	"	
Aroclor 1248	**4140**	---	923	"	"	"	"	
Aroclor 1254	ND	---	923	"	"	"	"	
Aroclor 1260	ND	---	923	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 87 %*	*Limits: 50-125 %*	"	"	"	*S-05*
Decachlorobiphenyl (Surr)			*85 %*	*Limits: 55-130 %*	"	"	"	*S-05*

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Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-1 (0-0.5) (A910329-01)			**Matrix: Soil**					
% Solids	**79.4**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-2 (0-0.5) (A910329-02)			**Matrix: Soil**					
% Solids	**79.1**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-3 (0-0.5) (A910329-03)			**Matrix: Soil**					
% Solids	**80.1**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-4 (0-0.5) (A910329-04)			**Matrix: Soil**					
% Solids	**74.7**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-5 (0-0.5) (A910329-05)			**Matrix: Soil**					
% Solids	**78.5**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-6 (0-0.5) (A910329-06)			**Matrix: Soil**					
% Solids	**77.3**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-7 (0-0.5) (A910329-07)			**Matrix: Soil**					
% Solids	**80.7**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-8 (0-0.5) (A910329-08)			**Matrix: Soil**					
% Solids	**80.3**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-9 (0-0.5) (A910329-09)			**Matrix: Soil**					
% Solids	**80.1**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-12 (0-0.5) (A910329-10)			**Matrix: Soil**					
% Solids	**80.4**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-13 (0-0.5) (A910329-11)			**Matrix: Soil**					
% Solids	**82.2**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-14 (0-0.5) (A910329-12)			**Matrix: Soil**					
% Solids	**77.1**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-15 (0-0.5) (A910329-13)			**Matrix: Soil**					
% Solids	**79.2**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-16 (0-0.5) (A910329-14)			**Matrix: Soil**					
% Solids	**81.4**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-17 (0-0.5) (A910329-15)			**Matrix: Soil**					
% Solids	**84.0**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-18 (0-0.5) (A910329-16)			**Matrix: Soil**					
% Solids	**82.8**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
CS-19 (0-0.5) (A910329-17)			**Matrix: Soil**					
% Solids	**82.9**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	
CS-20 (0-0.5) (A910329-18)			**Matrix: Soil**					
% Solids	**81.6**	---	1.00	% by Weight	1	11/01/09 12:03	D2216	

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Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9110065 - EPA 3546							**Soil**					
Blank (9110065-BLK1)					Prepared: 11/05/09 11:12		Analyzed: 11/06/09 13:29					**C-03, C-04**
EPA 8082A												
Aroclor 1016	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	10.0	"	"	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 85 %*	*Limits: 50-125 %*			*Dilution: 1x*					*Q-23*
Decachlorobiphenyl (Surr)			*101 %*	*55-130 %*			*"*					*Q-23*
LCS (9110065-BS1)					Prepared: 11/05/09 11:12		Analyzed: 11/06/09 13:44					**C-03, C-04**
EPA 8082A												
Aroclor 1016	249	---	10.0	ug/kg wet	1	250	---	100	40-140%	---	---	
Aroclor 1260	269	---	10.0	"	"	"	---	108	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 88 %*	*Limits: 50-125 %*			*Dilution: 1x*					*Q-23*
Decachlorobiphenyl (Surr)			*98 %*	*55-130 %*			*"*					*Q-23*
Duplicate (9110065-DUP2)					Prepared: 11/05/09 11:12		Analyzed: 11/06/09 22:51					**C-03, C-04**
QC Source Sample: CS-4 (0-0.5) (A910329-04RE1)												
EPA 8082A												
Aroclor 1016	ND	---	1930	ug/kg dry	200	---	ND	---	---	---	30%	
Aroclor 1221	ND	---	1930	"	"	---	ND	---	---	---	30%	
Aroclor 1232	ND	---	1930	"	"	---	ND	---	---	---	30%	
Aroclor 1242	ND	---	1930	"	"	---	ND	---	---	---	30%	
Aroclor 1248	**23700**	---	1930	"	"	---	27600	---	---	15	30%	
Aroclor 1254	ND	---	1930	"	"	---	ND	---	---	---	30%	
Aroclor 1260	ND	---	1930	"	"	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 824 %*	*Limits: 50-125 %*			*Dilution: 200x*					*Q-23, S-05*
Decachlorobiphenyl (Surr)			*1290 %*	*55-130 %*			*"*					*Q-23, S-05*
Matrix Spike (9110065-MS1)					Prepared: 11/05/09 11:12		Analyzed: 11/06/09 21:09					**C-03, C-04, Q-11**
QC Source Sample: CS-18 (0-0.5) (A910329-16)												
EPA 8082A												
Aroclor 1016	ND	---	871	ug/kg dry	100	218	ND	218	40-140%	---	---	

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Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9110065 - EPA 3546							**Soil**					
Matrix Spike (9110065-MS1)					Prepared: 11/05/09 11:12		Analyzed: 11/06/09 21:09					**C-03, C-04, Q-11**
QC Source Sample: CS-18 (0-0.5) (A910329-16)												
Aroclor 1260	ND	---	871	ug/kg dry	"	"	ND		60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 70 %*		*Limits: 50-125 %*		*Dilution: 100x*					*Q-23*
Decachlorobiphenyl (Surr)			*78 %*		*55-130 %*		*"*					*Q-23*

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9110081 - EPA 3546							**Soil**					
Blank (9110081-BLK1)					Prepared: 11/06/09 11:13		Analyzed: 11/07/09 10:59					**C-03, C-04**
EPA 8082A												
Aroclor 1016	ND	---	10.0	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	10.0	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	10.0	"	"	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 80 %*	*Limits: 50-125 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*77 %*	*55-130 %*			*"*					
LCS (9110081-BS1)					Prepared: 11/06/09 11:13		Analyzed: 11/07/09 11:14					**C-03, C-04**
EPA 8082A												
Aroclor 1016	237	---	10.0	ug/kg wet	1	250	---	95	40-140%	---	---	
Aroclor 1260	236	---	10.0	"	"	"	---	94	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 91 %*	*Limits: 50-125 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*81 %*	*55-130 %*			*"*					

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Philip Nerenberg, Lab Director

Apex Labs

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9100448 - Dry Weight							**Soil**					
Duplicate (9100448-DUP4)					Prepared: 10/30/09 12:50		Analyzed: 11/01/09 12:03					
QC Source Sample: CS-5 (0-0.5) (A910329-05)												
D2216												
% Solids	**80.0**	---	1.00	% by Weight	1	---	78.5	---	---	2	20%	
Duplicate (9100448-DUP5)					Prepared: 10/30/09 12:50		Analyzed: 11/01/09 12:03					
QC Source Sample: CS-20 (0-0.5) (A910329-18)												
D2216												
% Solids	**83.1**	---	1.00	% by Weight	1	---	81.6	---	---	2	20%	

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503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9110065							
A910329-01RE1	Soil	EPA 8082A	10/28/09 10:45	11/05/09 11:12	13.29g/5mL	10g/5mL	0.75
A910329-02RE1	Soil	EPA 8082A	10/28/09 11:05	11/05/09 11:12	13.67g/5mL	10g/5mL	0.73
A910329-03RE1	Soil	EPA 8082A	10/28/09 11:40	11/05/09 11:12	13.38g/5mL	10g/5mL	0.75
A910329-04RE1	Soil	EPA 8082A	10/28/09 12:00	11/05/09 11:12	13.82g/5mL	10g/5mL	0.72
A910329-05	Soil	EPA 8082A	10/28/09 12:30	11/05/09 11:12	14.17g/5mL	10g/5mL	0.71
A910329-06	Soil	EPA 8082A	10/28/09 13:30	11/05/09 11:12	13.85g/5mL	10g/5mL	0.72
A910329-07	Soil	EPA 8082A	10/28/09 14:00	11/05/09 11:12	13.16g/5mL	10g/5mL	0.76
A910329-08	Soil	EPA 8082A	10/28/09 14:25	11/05/09 11:12	13.2g/5mL	10g/5mL	0.76
A910329-09	Soil	EPA 8082A	10/28/09 15:00	11/05/09 11:12	13.73g/5mL	10g/5mL	0.73
A910329-10RE1	Soil	EPA 8082A	10/28/09 16:10	11/05/09 11:12	13.48g/5mL	10g/5mL	0.74
A910329-11	Soil	EPA 8082A	10/28/09 15:40	11/05/09 11:12	14.17g/5mL	10g/5mL	0.71
A910329-12	Soil	EPA 8082A	10/28/09 15:30	11/05/09 11:12	14.27g/5mL	10g/5mL	0.70
A910329-13	Soil	EPA 8082A	10/28/09 14:50	11/05/09 11:12	14.9g/5mL	10g/5mL	0.67
A910329-14RE2	Soil	EPA 8082A	10/28/09 14:07	11/05/09 11:12	13.57g/5mL	10g/5mL	0.74
A910329-15	Soil	EPA 8082A	10/28/09 13:33	11/05/09 11:12	13.81g/5mL	10g/5mL	0.72
A910329-16	Soil	EPA 8082A	10/28/09 12:21	11/05/09 11:12	13.57g/5mL	10g/5mL	0.74
Batch: 9110081							
A910329-17	Soil	EPA 8082A	10/28/09 11:45	11/06/09 11:13	13.53g/5mL	10g/5mL	0.74
A910329-18	Soil	EPA 8082A	10/28/09 11:12	11/06/09 11:13	13.28g/5mL	10g/5mL	0.75

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc.	Project: **NE 94th Ave Property**	
15575 SW Sequoia Pkwy, Ste 100	Project Number: GillilandJ-1-02	**Reported:**
Portland, OR 97224	Project Manager: Colby Hunt	11/12/09 14:21

Notes and Definitions

Qualifiers:

C-03	Extract has undergone Sulfuric Acid Cleanup in order to minimize matrix interferance.
C-04	Extract has undergone a Sulfur Cleanup using EPA 3660B.
Q-11	The spike recovery for this matrix spike cannot be accurately quantified due to sample dilution required from high analyte concentration and/or matrix interference.
Q-23	Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Data is likely biased high.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
S-06	Surrogate recovery is outside of established control limits.

Notes and Conventions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses. For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor. Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.

Apex Labs

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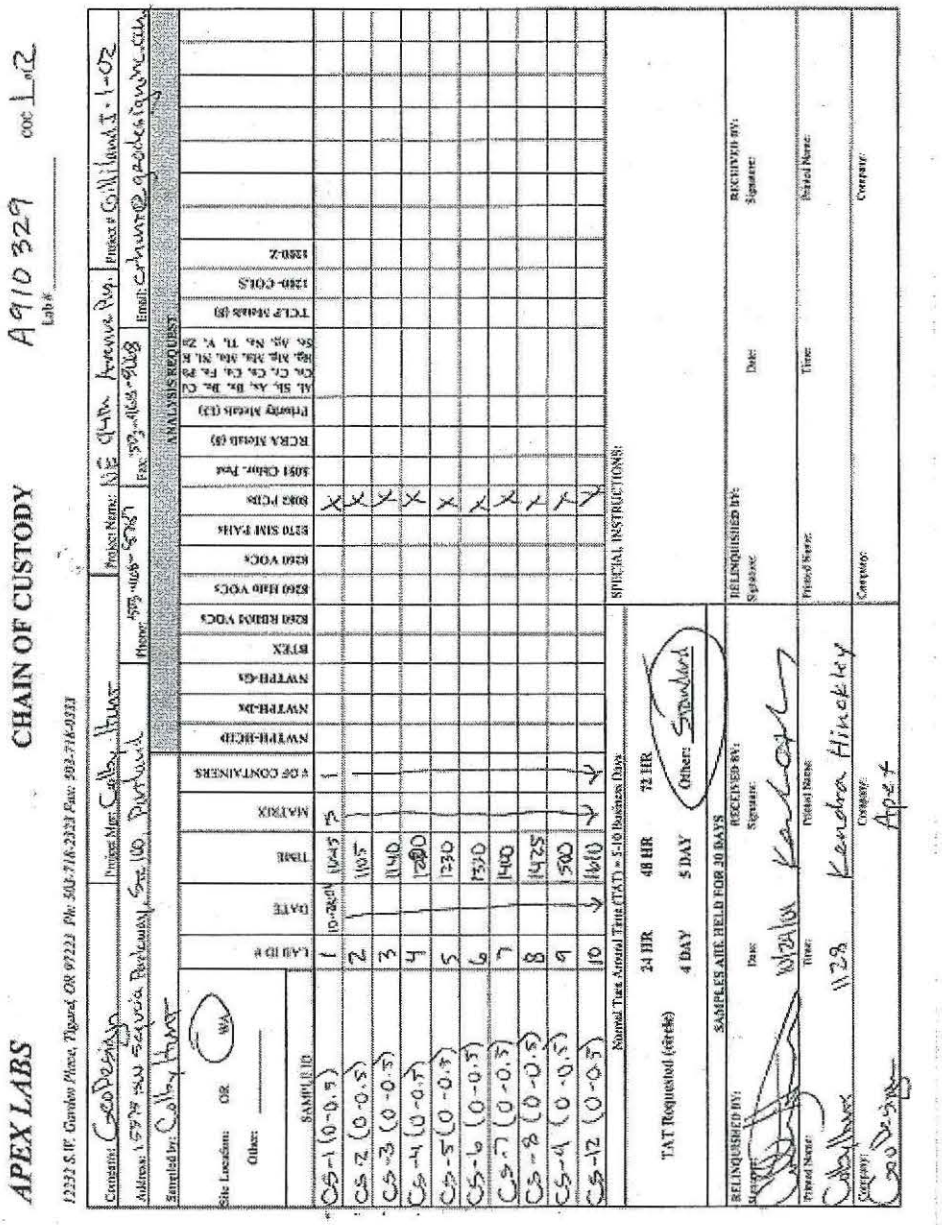
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc. 15575 SW Sequoia Pkwy, Ste 100 Portland, OR 97224	Project: **NE 94th Ave Property** Project Number: GillilandJ-1-02 Project Manager: Colby Hunt	**Reported:** 11/12/09 14:21



APEX LABS — CHAIN OF CUSTODY — A910329 — Lab #

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: GeoDesign — Project Mgr: Colby Hunt — Project Name: NE 94th Avenue Prop. — Project #: Gilliland J-1-02

Address: 15575 SW Sequoia Parkway, Ste 100, Portland — Phone: 503-968-6087 — Fax: 503-968-8568 — Email: chunt@geodesignnw.com

Sampled by: Colby Hunt

Site Location: OR WA — Other: ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	BTEX	8260 BRMS VOCs	8260 HFO VOCs	8260 VOCs	8270 SIM PAHs	8082 PCBs	8081 Chlor. Pest	RCRA Metals (8)	Priority Metals (13)	AL Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	TCLP Metals (8)	1280-COLS	1280-Z
CS-1 (0-0.5)	1	10-30-09	1045	S	1									X							
CS-2 (0-0.5)	2		1105											X							
CS-3 (0-0.5)	3		1140											X							
CS-4 (0-0.5)	4		1200											X							
CS-5 (0-0.5)	5		1230											X							
CS-6 (0-0.5)	6		1310											X							
CS-7 (0-0.5)	7		1400											X							
CS-8 (0-0.5)	8		1425											X							
CS-9 (0-0.5)	9		1500											X							
CS-12 (0-0.5)	10	↓	1610	↓	↓									X							

Normal Turn Around Time (TAT) = 5-10 Business Days

TAT Requested (circle): 24 HR, 48 HR, 72 HR, 4 DAY, 5 DAY, Other: Standard

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 10/30/09	Date:	Date:	Date:
Time:	Time:	Time:	Time:
Printed Name: Colby Hunt	Printed Name: Kendra Hinckley	Printed Name:	Printed Name:
Company: GeoDesign	Company: Apex	Company:	Company:

Apex Laboratories

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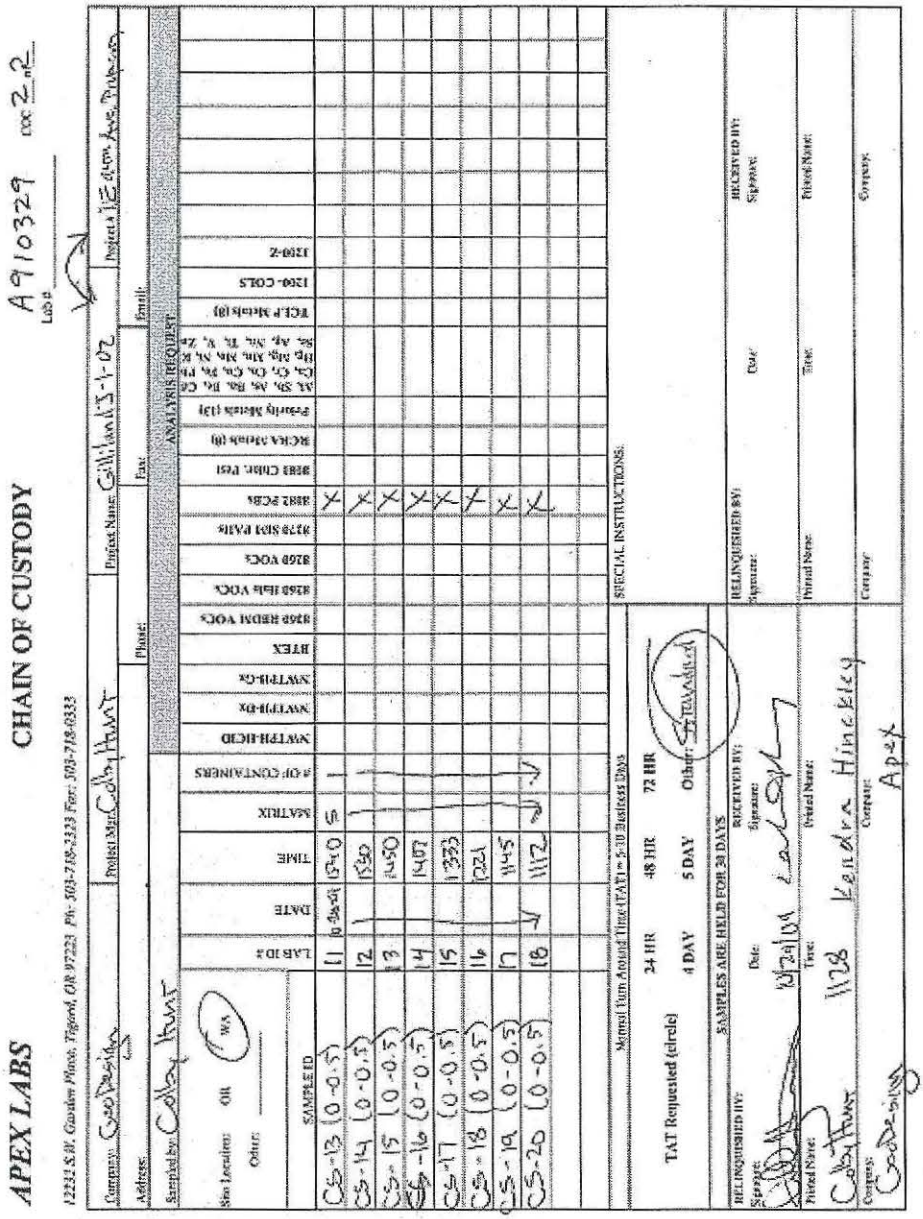
Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

GeoDesign, Inc. 15575 SW Sequoia Pkwy, Ste 100 Portland, OR 97224	Project: **NE 94th Ave Property** Project Number: GillilandJ-1-02 Project Manager: Colby Hunt	**Reported:** 11/12/09 14:21



APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

CHAIN OF CUSTODY

A9110329 Lab #

Company: GeoDesign Project Mgr: Colby Hunt Project Name: Gilliland J-1-02 Project # NE 94th Ave. Property

Address: Phone: Fax: Email:

Sampled by: Colby Hunt

Site Location: OR WA Other:

ANALYSIS REQUEST

SAMPLED	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	BTEX	8260 HEDM VOCs	8260 HLR VOCs	8260 VOCs	8270 SIM PAHs	8082 PCBs	8081 Chlor. Pest	RCRA Metals (8)	Priority Metals (13)	As, Sb, Ag, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mn, Mo, Ni, Se, Ag, Na, Tl, V, Zn	TCLP Metals (8)	1200-COLS	1200-Z
CS-13 (0-0.5)	11	10-9-09	1040	S	1									X							
CS-14 (0-0.5)	12		1050											X							
CS-15 (0-0.5)	13		1450											X							
CS-16 (0-0.5)	14		1407											X							
CS-17 (0-0.5)	15		1333											X							
CS-18 (0-0.5)	16		1021											X							
CS-19 (0-0.5)	17		1445											X							
CS-20 (0-0.5)	18		1112											X							

Normal Turn Around Time (TAT) = 5-10 Business Days

TAT Requested (circle): 24 HR 48 HR 72 HR 4 DAY 5 DAY Other: Standard

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date:	Date: 10/29/09	Date:	Date:
Time:	Time: 1138	Time:	Time:
Printed Name: Colby Hunt	Printed Name: Leandra Hinckley	Printed Name:	Printed Name:
Company: GeoDesign	Company: Apex	Company:	Company:

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

APPENDIX B

2014 LABORATORY ANALYTICAL RESULTS

Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

August 11, 2014

Seth Otto
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660

TEL: (360) 694-2691
FAX (360) 906-1958

RE: Fleischer / 9059.07.04

Dear Seth Otto: Order No.: 1407110

Specialty Analytical received 42 sample(s) on 7/16/2014 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,

Marty French
Lab Director

Case Narrative

WO#: **1407110**

Date: **8/11/2014**

Specialty Analytical

CLIENT: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

Due to the presence of multi-component PCB compounds causing co-elution and matrix interferences with the EPA 8081 Pesticide compounds, multiple sample clean-up steps were required to achieve the detection limits reported. Use of silica gel per EPA 3630C, and additional clean-up using CarboPrep SPE cartridges was performed. During the multiple clean-up and concentration steps, TCMX was recovered at levels below the laboratory control limits. LCS and other QC parameters, where not impacted by matrix interferences, show the clean-ups performed well, and should allow usable data.

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 8:32:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-001
Client Sample ID: TP01-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	300		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Bolstar	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Chloropyrifos	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Coumaphos	ND	120		µg/Kg-dry	1	7/23/2014 11:38:00 AM
DEF	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Demeton-S	ND	60.1		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Diazinon	ND	60.1		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Dichlorovos	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Dimethoate	ND	60.1		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Disulfoton	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
EPN	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Ethion	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Ethoprop	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Fensulfothion	ND	120		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Fenthion	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Malathion	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Methyl parathion	ND	120		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Mevinphos	ND	120		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Naled	ND	300		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Parathion	ND	60.1		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Phorate	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Ronnel	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Stirofos	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Sulfotepp	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Tokuthion	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Trichloronate	ND	24.0		µg/Kg-dry	1	7/23/2014 11:38:00 AM
Surr: Tributylphosphate (Surr.)	120	50-150		%REC	1	7/23/2014 11:38:00 AM
Surr: Triphenylphosphate (Surr.)	94.0	50-150		%REC	1	7/23/2014 11:38:00 AM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
4,4´-DDE	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
4,4´-DDT	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Aldrin	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
alpha-BHC	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
alpha-Chlordane	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
beta-BHC	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Chlordane	ND	8.01		µg/Kg-dry	1	7/27/2014 2:53:00 PM
delta-BHC	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 8:32:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-001
Client Sample ID: TP01-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Endosulfan I	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Endosulfan II	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Endosulfan Sulfate	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Endrin	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Endrin aldehyde	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Endrin ketone	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
gamma-BHC	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
gamma-Chlordane	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Heptachlor	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Heptachlor epoxide	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Methoxychlor	ND	0.400		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Toxaphene	ND	8.01		µg/Kg-dry	1	7/27/2014 2:53:00 PM
Surr: Decachlorobiphenyl	52.6	25.9-136		%REC	1	7/27/2014 2:53:00 PM
Surr: Tetrachloro-m-xylene	2.57	15-124	S	%REC	1	7/27/2014 2:53:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Aroclor 1221	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Aroclor 1232	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Aroclor 1242	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Aroclor 1248	389	0.400		µg/Kg-dry	1	7/21/2014 10:00:00 AM
Aroclor 1254	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Aroclor 1260	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Aroclor 1262	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Aroclor 1268	ND	0.400		µg/Kg-dry	1	7/18/2014 11:44:00 AM
Surr: Decachlorobiphenyl	77.0	56.5-130		%REC	1	7/18/2014 11:44:00 AM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
2,4,5-TP (Silvex)	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
2,4-D	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
2,4-DB	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
4-Nitrophenol	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
Dicamba	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
Dichlorprop	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
Dinoseb	ND	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
MCPA	ND	801		µg/Kg-dry	1	7/23/2014 3:43:00 PM
MCPP	ND	801		µg/Kg-dry	1	7/23/2014 3:43:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 8:32:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-001		
Client Sample ID:	TP01-S-0.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	19.1	8.01		µg/Kg-dry	1	7/23/2014 3:43:00 PM
Surr: 2,4-DCAA	52.4	34.3-141		%REC	1	7/23/2014 3:43:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 8:37:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-002		
Client Sample ID:	TP01-S-4.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 8:42:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-003		
Client Sample ID:	TP01-S-8.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 9:15:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-004
Client Sample ID: TP02-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	138	16.3	K	mg/Kg-dry	1	7/18/2014 10:39:28 PM
Lube Oil	855	54.5		mg/Kg-dry	1	7/18/2014 10:39:28 PM
Surr: o-Terphenyl	111	50-150		%REC	1	7/18/2014 10:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2570	923		µg/Kg-dry	10	7/24/2014 7:31:00 PM
Chromium	14800	923		µg/Kg-dry	10	7/24/2014 7:31:00 PM
Copper	35700	462		µg/Kg-dry	10	7/24/2014 7:31:00 PM
Lead	38800	231		µg/Kg-dry	10	7/24/2014 7:31:00 PM
Nickel	16300	462		µg/Kg-dry	10	7/28/2014 12:32:00 PM
Zinc	601000	92300		µg/Kg-dry	100	7/25/2014 1:07:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0341	0.0160		mg/Kg-dry	1	7/18/2014 10:49:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	272		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Bolstar	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Chloropyrifos	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Coumaphos	ND	109		µg/Kg-dry	1	7/23/2014 12:03:00 PM
DEF	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Demeton-S	ND	54.5		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Diazinon	ND	54.5		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Dichlorovos	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Dimethoate	ND	54.5		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Disulfoton	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
EPN	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Ethion	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Ethoprop	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Fensulfothion	ND	109		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Fenthion	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Malathion	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Methyl parathion	ND	109		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Mevinphos	ND	109		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Naled	ND	272		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Parathion	ND	54.5		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Phorate	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Ronnel	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Stirofos	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 9:15:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-004
Client Sample ID: TP02-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Tokuthion	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Trichloronate	ND	21.8		µg/Kg-dry	1	7/23/2014 12:03:00 PM
Surr: Tributylphosphate (Surr.)	71.0	50-150		%REC	1	7/23/2014 12:03:00 PM
Surr: Triphenylphosphate (Surr.)	133	50-150		%REC	1	7/23/2014 12:03:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
4,4´-DDE	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
4,4´-DDT	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Aldrin	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
alpha-BHC	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
alpha-Chlordane	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
beta-BHC	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Chlordane	ND	7.26		µg/Kg-dry	1	7/27/2014 3:08:00 PM
delta-BHC	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Dieldrin	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Endosulfan I	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Endosulfan II	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Endosulfan Sulfate	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Endrin	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Endrin aldehyde	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Endrin ketone	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
gamma-BHC	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
gamma-Chlordane	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Heptachlor	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Heptachlor epoxide	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Methoxychlor	ND	0.363		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Toxaphene	ND	7.26		µg/Kg-dry	1	7/27/2014 3:08:00 PM
Surr: Decachlorobiphenyl	29.8	25.9-136		%REC	1	7/27/2014 3:08:00 PM
Surr: Tetrachloro-m-xylene	6.91	15-124	S	%REC	1	7/27/2014 3:08:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM
Aroclor 1221	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM
Aroclor 1232	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM
Aroclor 1242	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM
Aroclor 1248	32400	36.3		µg/Kg-dry	100	7/21/2014 10:16:00 AM
Aroclor 1254	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 9:15:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-004
Client Sample ID: TP02-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM
Aroclor 1262	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM
Aroclor 1268	ND	0.363		µg/Kg-dry	1	7/18/2014 2:14:00 PM
Surr: Decachlorobiphenyl	78.0	56.5-130		%REC	1	7/18/2014 2:14:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
2,4,5-TP (Silvex)	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
2,4-D	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
2,4-DB	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
4-Nitrophenol	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
Dicamba	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
Dichlorprop	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
Dinoseb	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
MCPA	ND	726		µg/Kg-dry	1	7/24/2014 1:03:46 PM
MCPP	ND	726		µg/Kg-dry	1	7/24/2014 1:03:46 PM
Pentachlorophenol	ND	7.26		µg/Kg-dry	1	7/24/2014 1:03:46 PM
Surr: 2,4-DCAA	59.7	34.3-141		%REC	1	7/24/2014 1:03:46 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 9:20:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-005
Client Sample ID: TP02-S-2.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1221	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1232	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1242	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1248	185	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1254	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1260	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1262	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Aroclor 1268	ND	0.377		µg/Kg-dry	1	7/25/2014 9:29:00 PM
Surr: Decachlorobiphenyl	79.2	56.5-130		%REC	1	7/25/2014 9:29:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 9:30:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-006		
Client Sample ID:	TP02-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 9:51:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-007
Client Sample ID: TP03-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	ND	18.3		mg/Kg-dry	1	7/18/2014 1:39:28 PM
Lube Oil	67.0	61.0	A2	mg/Kg-dry	1	7/18/2014 1:39:28 PM
Surr: o-Terphenyl	97.3	50-150		%REC	1	7/18/2014 1:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2950	859		µg/Kg-dry	10	7/24/2014 4:03:00 PM
Chromium	9980	859		µg/Kg-dry	10	7/25/2014 1:59:00 PM
Copper	29700	430		µg/Kg-dry	10	7/24/2014 4:03:00 PM
Lead	7710	215		µg/Kg-dry	10	7/24/2014 4:03:00 PM
Nickel	10100	430		µg/Kg-dry	10	7/25/2014 1:59:00 PM
Zinc	78500	8590		µg/Kg-dry	10	7/24/2014 4:03:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	ND	0.0192		mg/Kg-dry	1	7/18/2014 10:52:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	305		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Bolstar	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Chloropyrifos	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Coumaphos	ND	122		µg/Kg-dry	1	7/23/2014 12:27:00 PM
DEF	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Demeton-S	ND	61.0		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Diazinon	ND	61.0		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Dichlorovos	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Dimethoate	ND	61.0		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Disulfoton	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
EPN	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Ethion	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Ethoprop	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Fensulfothion	ND	122		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Fenthion	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Malathion	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Methyl parathion	ND	122		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Mevinphos	ND	122		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Naled	ND	305		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Parathion	ND	61.0		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Phorate	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Ronnel	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Stirofos	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 9:51:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-007
Client Sample ID: TP03-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Tokuthion	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Trichloronate	ND	24.4		µg/Kg-dry	1	7/23/2014 12:27:00 PM
Surr: Tributylphosphate (Surr.)	95.0	50-150		%REC	1	7/23/2014 12:27:00 PM
Surr: Triphenylphosphate (Surr.)	100	50-150		%REC	1	7/23/2014 12:27:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
4,4´-DDE	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
4,4´-DDT	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Aldrin	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
alpha-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
alpha-Chlordane	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
beta-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Chlordane	ND	8.13		µg/Kg-dry	1	7/27/2014 3:36:00 PM
delta-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Dieldrin	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Endosulfan I	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Endosulfan II	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Endosulfan Sulfate	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Endrin	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Endrin aldehyde	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Endrin ketone	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
gamma-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
gamma-Chlordane	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Heptachlor	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Heptachlor epoxide	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Methoxychlor	ND	0.407		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Toxaphene	ND	8.13		µg/Kg-dry	1	7/27/2014 3:36:00 PM
Surr: Decachlorobiphenyl	102	25.9-136		%REC	1	7/27/2014 3:36:00 PM
Surr: Tetrachloro-m-xylene	2.61	15-124	S	%REC	1	7/27/2014 3:36:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Aroclor 1221	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Aroclor 1232	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Aroclor 1242	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Aroclor 1248	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Aroclor 1254	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 9:51:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-007
Client Sample ID: TP03-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Aroclor 1262	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Aroclor 1268	ND	0.406		µg/Kg-dry	1	7/18/2014 2:31:00 PM
Surr: Decachlorobiphenyl	61.8	56.5-130		%REC	1	7/18/2014 2:31:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
2,4,5-TP (Silvex)	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
2,4-D	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
2,4-DB	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
4-Nitrophenol	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
Dicamba	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
Dichlorprop	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
Dinoseb	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
MCPA	ND	813		µg/Kg-dry	1	7/23/2014 4:04:00 PM
MCPP	ND	813		µg/Kg-dry	1	7/23/2014 4:04:00 PM
Pentachlorophenol	ND	8.13		µg/Kg-dry	1	7/23/2014 4:04:00 PM
Surr: 2,4-DCAA	53.3	34.3-141		%REC	1	7/23/2014 4:04:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 9:56:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-008		
Client Sample ID:	TP03-S-4.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 10:13:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-009		
Client Sample ID:	TP03-S-8.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 10:40:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-010
Client Sample ID: TP04-S-0.25
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	85.7	17.9	A1	mg/Kg-dry	1	7/18/2014 11:09:28 PM
Lube Oil	659	59.7	A2	mg/Kg-dry	1	7/18/2014 11:09:28 PM
Surr: o-Terphenyl	122	50-150		%REC	1	7/18/2014 11:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	3090	1080		µg/Kg-dry	10	7/24/2014 4:10:00 PM
Chromium	14100	1080		µg/Kg-dry	10	7/24/2014 4:10:00 PM
Copper	43200	542		µg/Kg-dry	10	7/24/2014 4:10:00 PM
Lead	53600	271		µg/Kg-dry	10	7/24/2014 4:10:00 PM
Nickel	12600	542		µg/Kg-dry	10	7/24/2014 4:10:00 PM
Zinc	836000	108000		µg/Kg-dry	100	7/25/2014 2:06:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0631	0.0166		mg/Kg-dry	1	7/18/2014 10:55:04 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Aroclor 1221	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Aroclor 1232	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Aroclor 1242	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Aroclor 1248	6130	19.9		µg/Kg-dry	50	7/21/2014 10:33:00 AM
Aroclor 1254	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Aroclor 1260	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Aroclor 1262	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Aroclor 1268	ND	0.397		µg/Kg-dry	1	7/18/2014 2:48:00 PM
Surr: Decachlorobiphenyl	106	56.5-130		%REC	1	7/18/2014 2:48:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 10:41:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-011
Client Sample ID: TP04-S-1.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	321		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Bolstar	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Chloropyrifos	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Coumaphos	ND	128		µg/Kg-dry	1	7/23/2014 12:52:00 PM
DEF	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Demeton-S	ND	64.2		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Diazinon	ND	64.2		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Dichlorovos	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Dimethoate	ND	64.2		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Disulfoton	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
EPN	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Ethion	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Ethoprop	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Fensulfothion	ND	128		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Fenthion	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Malathion	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Methyl parathion	ND	128		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Mevinphos	ND	128		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Naled	ND	321		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Parathion	ND	64.2		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Phorate	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Ronnel	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Stirofos	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Sulfotepp	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Tokuthion	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Trichloronate	ND	25.7		µg/Kg-dry	1	7/23/2014 12:52:00 PM
Surr: Tributylphosphate (Surr.)	109	50-150		%REC	1	7/23/2014 12:52:00 PM
Surr: Triphenylphosphate (Surr.)	85.0	50-150		%REC	1	7/23/2014 12:52:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
4,4´-DDE	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
4,4´-DDT	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Aldrin	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
alpha-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
alpha-Chlordane	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
beta-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Chlordane	ND	8.56		µg/Kg-dry	1	7/27/2014 3:51:00 PM
delta-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 10:41:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-011
Client Sample ID: TP04-S-1.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Endosulfan I	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Endosulfan II	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Endosulfan Sulfate	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Endrin	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Endrin aldehyde	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Endrin ketone	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
gamma-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
gamma-Chlordane	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Heptachlor	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Heptachlor epoxide	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Methoxychlor	ND	0.428		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Toxaphene	ND	8.56		µg/Kg-dry	1	7/27/2014 3:51:00 PM
Surr: Decachlorobiphenyl	49.8	25.9-136		%REC	1	7/27/2014 3:51:00 PM
Surr: Tetrachloro-m-xylene	2.17	15-124	S	%REC	1	7/27/2014 3:51:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1221	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1232	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1242	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1248	66.7	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1254	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1260	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1262	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Aroclor 1268	ND	0.427		µg/Kg-dry	1	7/25/2014 9:46:00 PM
Surr: Decachlorobiphenyl	78.7	56.5-130		%REC	1	7/25/2014 9:46:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
2,4,5-TP (Silvex)	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
2,4-D	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
2,4-DB	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
4-Nitrophenol	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
Dicamba	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
Dichlorprop	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
Dinoseb	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
MCPA	ND	856		µg/Kg-dry	1	7/23/2014 4:25:00 PM
MCPP	ND	856		µg/Kg-dry	1	7/23/2014 4:25:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 10:41:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-011		
Client Sample ID:	TP04-S-1.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	8.56		µg/Kg-dry	1	7/23/2014 4:25:00 PM
Surr: 2,4-DCAA	55.2	34.3-141		%REC	1	7/23/2014 4:25:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 10:50:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-012		
Client Sample ID:	TP04-S-5.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 11:00:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-013		
Client Sample ID:	TP04-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 11:25:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-014
Client Sample ID: TP05-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	292		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Bolstar	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Chloropyrifos	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Coumaphos	ND	117		µg/Kg-dry	1	7/23/2014 1:15:00 PM
DEF	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Demeton-S	ND	58.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Diazinon	ND	58.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Dichlorovos	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Dimethoate	ND	58.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Disulfoton	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
EPN	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Ethion	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Ethoprop	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Fensulfothion	ND	117		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Fenthion	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Malathion	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Methyl parathion	ND	117		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Mevinphos	ND	117		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Naled	ND	292		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Parathion	ND	58.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Phorate	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Ronnel	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Stirofos	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Sulfotepp	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Tokuthion	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Trichloronate	ND	23.4		µg/Kg-dry	1	7/23/2014 1:15:00 PM
Surr: Tributylphosphate (Surr.)	132	50-150		%REC	1	7/23/2014 1:15:00 PM
Surr: Triphenylphosphate (Surr.)	104	50-150		%REC	1	7/23/2014 1:15:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
4,4´-DDE	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
4,4´-DDT	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Aldrin	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
alpha-BHC	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
alpha-Chlordane	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
beta-BHC	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Chlordane	ND	7.79		µg/Kg-dry	1	7/27/2014 4:05:00 PM
delta-BHC	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 11:25:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-014
Client Sample ID: TP05-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Endosulfan I	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Endosulfan II	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Endosulfan Sulfate	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Endrin	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Endrin aldehyde	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Endrin ketone	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
gamma-BHC	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
gamma-Chlordane	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Heptachlor	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Heptachlor epoxide	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Methoxychlor	ND	0.390		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Toxaphene	ND	7.79		µg/Kg-dry	1	7/27/2014 4:05:00 PM
Surr: Decachlorobiphenyl	83.6	25.9-136		%REC	1	7/27/2014 4:05:00 PM
Surr: Tetrachloro-m-xylene	3.89	15-124	S	%REC	1	7/27/2014 4:05:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Aroclor 1221	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Aroclor 1232	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Aroclor 1242	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Aroclor 1248	38000	38.9		µg/Kg-dry	100	7/21/2014 10:50:00 AM
Aroclor 1254	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Aroclor 1260	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Aroclor 1262	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Aroclor 1268	ND	0.389		µg/Kg-dry	1	7/18/2014 3:04:00 PM
Surr: Decachlorobiphenyl	133	56.5-130	S	%REC	1	7/18/2014 3:04:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
2,4,5-TP (Silvex)	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
2,4-D	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
2,4-DB	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
4-Nitrophenol	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
Dicamba	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
Dichlorprop	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
Dinoseb	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
MCPA	ND	779		µg/Kg-dry	1	7/23/2014 4:46:00 PM
MCPP	ND	779		µg/Kg-dry	1	7/23/2014 4:46:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 11:25:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-014		
Client Sample ID:	TP05-S-0.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	7.79		µg/Kg-dry	1	7/23/2014 4:46:00 PM
Surr: 2,4-DCAA	119	34.3-141		%REC	1	7/23/2014 4:46:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 11:28:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-015
Client Sample ID: TP05-S-1.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1221	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1232	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1242	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1248	45.8	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1254	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1260	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1262	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Aroclor 1268	ND	0.406		µg/Kg-dry	1	7/25/2014 10:03:00 PM
Surr: Decachlorobiphenyl	88.0	56.5-130		%REC	1	7/25/2014 10:03:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 11:33:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-016		
Client Sample ID:	TP05-S-4.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 11:40:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-017		
Client Sample ID:	TP05-S-8.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 11:57:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-018
Client Sample ID: TP06-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	111	17.1	A1	mg/Kg-dry	1	7/18/2014 11:39:28 PM
Lube Oil	386	56.9	A2	mg/Kg-dry	1	7/18/2014 11:39:28 PM
Surr: o-Terphenyl	103	50-150		%REC	1	7/18/2014 11:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2050	933		µg/Kg-dry	10	7/24/2014 4:17:00 PM
Chromium	16000	933		µg/Kg-dry	10	7/24/2014 4:17:00 PM
Copper	44400	467		µg/Kg-dry	10	7/24/2014 4:17:00 PM
Lead	45900	233		µg/Kg-dry	10	7/24/2014 4:17:00 PM
Nickel	11400	467		µg/Kg-dry	10	7/24/2014 4:17:00 PM
Zinc	2380000	373000		µg/Kg-dry	400	7/28/2014 1:02:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0485	0.0183		mg/Kg-dry	1	7/18/2014 10:58:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	285		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Bolstar	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Chloropyrifos	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Coumaphos	ND	114		µg/Kg-dry	1	7/23/2014 1:39:00 PM
DEF	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Demeton-S	ND	56.9		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Diazinon	ND	56.9		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Dichlorovos	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Dimethoate	ND	56.9		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Disulfoton	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
EPN	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Ethion	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Ethoprop	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Fensulfothion	ND	114		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Fenthion	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Malathion	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Methyl parathion	ND	114		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Mevinphos	ND	114		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Naled	ND	285		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Parathion	ND	56.9		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Phorate	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Ronnel	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Stirofos	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 11:57:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-018
Client Sample ID: TP06-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Tokuthion	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Trichloronate	ND	22.8		µg/Kg-dry	1	7/23/2014 1:39:00 PM
Surr: Tributylphosphate (Surr.)	141	50-150		%REC	1	7/23/2014 1:39:00 PM
Surr: Triphenylphosphate (Surr.)	939	50-150	SMI	%REC	1	7/23/2014 1:39:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
4,4´-DDE	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
4,4´-DDT	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Aldrin	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
alpha-BHC	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
alpha-Chlordane	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
beta-BHC	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Chlordane	ND	7.59		µg/Kg-dry	1	7/27/2014 4:34:00 PM
delta-BHC	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Dieldrin	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Endosulfan I	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Endosulfan II	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Endosulfan Sulfate	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Endrin	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Endrin aldehyde	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Endrin ketone	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
gamma-BHC	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
gamma-Chlordane	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Heptachlor	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Heptachlor epoxide	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Methoxychlor	ND	0.379		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Toxaphene	ND	7.59		µg/Kg-dry	1	7/27/2014 4:34:00 PM
Surr: Decachlorobiphenyl	73.7	25.9-136		%REC	1	7/27/2014 4:34:00 PM
Surr: Tetrachloro-m-xylene	5.29	15-124	S	%REC	1	7/27/2014 4:34:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM
Aroclor 1221	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM
Aroclor 1232	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM
Aroclor 1242	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM
Aroclor 1248	48300	37.9		µg/Kg-dry	100	7/21/2014 11:07:00 AM
Aroclor 1254	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 11:57:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-018
Client Sample ID: TP06-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM
Aroclor 1262	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM
Aroclor 1268	ND	0.379		µg/Kg-dry	1	7/18/2014 3:21:00 PM
Surr: Decachlorobiphenyl	91.6	56.5-130		%REC	1	7/18/2014 3:21:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
2,4,5-TP (Silvex)	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
2,4-D	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
2,4-DB	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
4-Nitrophenol	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
Dicamba	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
Dichlorprop	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
Dinoseb	ND	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
MCPA	ND	759		µg/Kg-dry	1	7/23/2014 5:08:00 PM
MCPP	ND	759		µg/Kg-dry	1	7/23/2014 5:08:00 PM
Pentachlorophenol	14.4	7.59		µg/Kg-dry	1	7/23/2014 5:08:00 PM
Surr: 2,4-DCAA	63.0	34.3-141		%REC	1	7/23/2014 5:08:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 11:59:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-019
Client Sample ID: TP06-S-2.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1221	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1232	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1242	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1248	114	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1254	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1260	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1262	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Aroclor 1268	ND	0.380		µg/Kg-dry	1	7/25/2014 10:20:00 PM
Surr: Decachlorobiphenyl	75.5	56.5-130		%REC	1	7/25/2014 10:20:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 12:06:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-020		
Client Sample ID:	TP06-S-4.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 12:19:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-021		
Client Sample ID:	TP06-S-7.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 1:11:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-022
Client Sample ID: TP07-S-0.25
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	149	16.3	A1	mg/Kg-dry	1	7/19/2014 12:09:28 AM
Lube Oil	825	54.3	A2	mg/Kg-dry	1	7/19/2014 12:09:28 AM
Surr: o-Terphenyl	100	50-150		%REC	1	7/19/2014 12:09:28 AM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	3900	743		µg/Kg-dry	10	7/24/2014 4:25:00 PM
Chromium	13800	743		µg/Kg-dry	10	7/24/2014 4:25:00 PM
Copper	40100	372		µg/Kg-dry	10	7/24/2014 4:25:00 PM
Lead	56300	186		µg/Kg-dry	10	7/24/2014 4:25:00 PM
Nickel	20200	372		µg/Kg-dry	10	7/24/2014 4:25:00 PM
Zinc	238000	74300		µg/Kg-dry	100	7/25/2014 2:21:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0750	0.0171		mg/Kg-dry	1	7/18/2014 11:01:04 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Aroclor 1221	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Aroclor 1232	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Aroclor 1242	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Aroclor 1248	1260	0.361		µg/Kg-dry	1	7/21/2014 11:24:00 AM
Aroclor 1254	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Aroclor 1260	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Aroclor 1262	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Aroclor 1268	ND	0.361		µg/Kg-dry	1	7/18/2014 3:38:00 PM
Surr: Decachlorobiphenyl	282	56.5-130	SMI	%REC	1	7/18/2014 3:38:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 1:12:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-023
Client Sample ID: TP07-S-1.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	305		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Bolstar	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Chloropyrifos	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Coumaphos	ND	122		µg/Kg-dry	1	7/23/2014 2:04:00 PM
DEF	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Demeton-S	ND	61.0		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Diazinon	ND	61.0		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Dichlorovos	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Dimethoate	ND	61.0		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Disulfoton	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
EPN	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Ethion	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Ethoprop	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Fensulfothion	ND	122		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Fenthion	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Malathion	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Methyl parathion	ND	122		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Mevinphos	ND	122		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Naled	ND	305		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Parathion	ND	61.0		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Phorate	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Ronnel	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Stirofos	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Sulfotepp	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Tokuthion	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Trichloronate	ND	24.4		µg/Kg-dry	1	7/23/2014 2:04:00 PM
Surr: Tributylphosphate (Surr.)	102	50-150		%REC	1	7/23/2014 2:04:00 PM
Surr: Triphenylphosphate (Surr.)	68.0	50-150		%REC	1	7/23/2014 2:04:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
4,4´-DDE	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
4,4´-DDT	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Aldrin	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
alpha-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
alpha-Chlordane	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
beta-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Chlordane	ND	8.14		µg/Kg-dry	1	7/27/2014 5:03:00 PM
delta-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 1:12:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-023
Client Sample ID: TP07-S-1.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Endosulfan I	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Endosulfan II	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Endosulfan Sulfate	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Endrin	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Endrin aldehyde	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Endrin ketone	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
gamma-BHC	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
gamma-Chlordane	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Heptachlor	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Heptachlor epoxide	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Methoxychlor	ND	0.407		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Toxaphene	ND	8.14		µg/Kg-dry	1	7/27/2014 5:03:00 PM
Surr: Decachlorobiphenyl	74.6	25.9-136		%REC	1	7/27/2014 5:03:00 PM
Surr: Tetrachloro-m-xylene	7.17	15-124	S	%REC	1	7/27/2014 5:03:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1221	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1232	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1242	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1248	45.0	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1254	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1260	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1262	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Aroclor 1268	ND	0.406		µg/Kg-dry	1	7/25/2014 10:37:00 PM
Surr: Decachlorobiphenyl	92.2	56.5-130		%REC	1	7/25/2014 10:37:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
2,4,5-TP (Silvex)	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
2,4-D	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
2,4-DB	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
4-Nitrophenol	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
Dicamba	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
Dichlorprop	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
Dinoseb	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
MCPA	ND	814		µg/Kg-dry	1	7/23/2014 5:29:00 PM
MCPP	ND	814		µg/Kg-dry	1	7/23/2014 5:29:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 1:12:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-023		
Client Sample ID:	TP07-S-1.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	8.14		µg/Kg-dry	1	7/23/2014 5:29:00 PM
Surr: 2,4-DCAA	60.9	34.3-141		%REC	1	7/23/2014 5:29:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 1:26:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-024		
Client Sample ID:	TP07-S-5.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 1:31:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-025		
Client Sample ID:	TP07-S-7.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 1:53:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-026
Client Sample ID: TP08-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	52.3	17.1		mg/Kg-dry	1	7/19/2014 12:39:28 AM
Lube Oil	405	57.0		mg/Kg-dry	1	7/19/2014 12:39:28 AM
Surr: o-Terphenyl	112	50-150		%REC	1	7/19/2014 12:39:28 AM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2510	966		µg/Kg-dry	10	7/24/2014 4:32:00 PM
Chromium	9870	966		µg/Kg-dry	10	7/24/2014 4:32:00 PM
Copper	28300	483		µg/Kg-dry	10	7/24/2014 4:32:00 PM
Lead	15400	242		µg/Kg-dry	10	7/24/2014 4:32:00 PM
Nickel	10400	483		µg/Kg-dry	10	7/24/2014 4:32:00 PM
Zinc	83800	9660		µg/Kg-dry	10	7/24/2014 4:32:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0277	0.0173		mg/Kg-dry	1	7/18/2014 11:04:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	285		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Bolstar	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Chloropyrifos	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Coumaphos	ND	114		µg/Kg-dry	1	7/23/2014 2:28:00 PM
DEF	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Demeton-S	ND	57.0		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Diazinon	ND	57.0		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Dichlorovos	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Dimethoate	ND	57.0		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Disulfoton	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
EPN	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Ethion	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Ethoprop	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Fensulfothion	ND	114		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Fenthion	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Malathion	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Methyl parathion	ND	114		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Mevinphos	ND	114		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Naled	ND	285		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Parathion	ND	57.0		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Phorate	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Ronnel	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Stirofos	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 1:53:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-026
Client Sample ID: TP08-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Tokuthion	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Trichloronate	ND	22.8		µg/Kg-dry	1	7/23/2014 2:28:00 PM
Surr: Tributylphosphate (Surr.)	112	50-150		%REC	1	7/23/2014 2:28:00 PM
Surr: Triphenylphosphate (Surr.)	80.0	50-150		%REC	1	7/23/2014 2:28:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
4,4´-DDE	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
4,4´-DDT	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Aldrin	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
alpha-BHC	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
alpha-Chlordane	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
beta-BHC	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Chlordane	ND	7.60		µg/Kg-dry	1	7/27/2014 5:17:00 PM
delta-BHC	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Dieldrin	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Endosulfan I	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Endosulfan II	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Endosulfan Sulfate	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Endrin	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Endrin aldehyde	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Endrin ketone	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
gamma-BHC	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
gamma-Chlordane	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Heptachlor	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Heptachlor epoxide	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Methoxychlor	ND	0.380		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Toxaphene	ND	7.60		µg/Kg-dry	1	7/27/2014 5:17:00 PM
Surr: Decachlorobiphenyl	59.8	25.9-136		%REC	1	7/27/2014 5:17:00 PM
Surr: Tetrachloro-m-xylene	9.98	15-124	S	%REC	1	7/27/2014 5:17:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM
Aroclor 1221	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM
Aroclor 1232	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM
Aroclor 1242	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM
Aroclor 1248	82.2	0.380		µg/Kg-dry	1	7/21/2014 11:41:00 AM
Aroclor 1254	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 1:53:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-026
Client Sample ID: TP08-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM
Aroclor 1262	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM
Aroclor 1268	ND	0.380		µg/Kg-dry	1	7/18/2014 3:55:00 PM
Surr: Decachlorobiphenyl	94.8	56.5-130		%REC	1	7/18/2014 3:55:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
2,4,5-TP (Silvex)	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
2,4-D	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
2,4-DB	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
4-Nitrophenol	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
Dicamba	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
Dichlorprop	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
Dinoseb	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
MCPA	ND	760		µg/Kg-dry	1	7/23/2014 5:50:00 PM
MCPP	ND	760		µg/Kg-dry	1	7/23/2014 5:50:00 PM
Pentachlorophenol	ND	7.60		µg/Kg-dry	1	7/23/2014 5:50:00 PM
Surr: 2,4-DCAA	47.2	34.3-141		%REC	1	7/23/2014 5:50:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 2:01:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-027		
Client Sample ID:	TP08-S-4.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 2:10:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-028		
Client Sample ID:	TP08-S-7.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 2:29:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-029
Client Sample ID: TP09-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	323		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Bolstar	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Chloropyrifos	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Coumaphos	ND	129		µg/Kg-dry	1	7/23/2014 2:53:00 PM
DEF	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Demeton-S	ND	64.6		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Diazinon	ND	64.6		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Dichlorovos	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Dimethoate	ND	64.6		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Disulfoton	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
EPN	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Ethion	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Ethoprop	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Fensulfothion	ND	129		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Fenthion	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Malathion	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Methyl parathion	ND	129		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Mevinphos	ND	129		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Naled	ND	323		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Parathion	ND	64.6		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Phorate	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Ronnel	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Stirofos	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Sulfotepp	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Tokuthion	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Trichloronate	ND	25.8		µg/Kg-dry	1	7/23/2014 2:53:00 PM
Surr: Tributylphosphate (Surr.)	105	50-150		%REC	1	7/23/2014 2:53:00 PM
Surr: Triphenylphosphate (Surr.)	66.0	50-150		%REC	1	7/23/2014 2:53:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
4,4´-DDE	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
4,4´-DDT	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Aldrin	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
alpha-BHC	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
alpha-Chlordane	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
beta-BHC	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Chlordane	ND	8.61		µg/Kg-dry	1	7/27/2014 5:31:00 PM
delta-BHC	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 2:29:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-029
Client Sample ID: TP09-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Endosulfan I	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Endosulfan II	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Endosulfan Sulfate	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Endrin	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Endrin aldehyde	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Endrin ketone	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
gamma-BHC	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
gamma-Chlordane	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Heptachlor	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Heptachlor epoxide	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Methoxychlor	ND	0.430		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Toxaphene	ND	8.61		µg/Kg-dry	1	7/27/2014 5:31:00 PM
Surr: Decachlorobiphenyl	74.6	25.9-136		%REC	1	7/27/2014 5:31:00 PM
Surr: Tetrachloro-m-xylene	2.26	15-124	S	%REC	1	7/27/2014 5:31:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Aroclor 1221	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Aroclor 1232	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Aroclor 1242	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Aroclor 1248	997	0.430		µg/Kg-dry	1	7/21/2014 11:58:00 AM
Aroclor 1254	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Aroclor 1260	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Aroclor 1262	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Aroclor 1268	ND	0.430		µg/Kg-dry	1	7/18/2014 4:12:00 PM
Surr: Decachlorobiphenyl	81.0	56.5-130		%REC	1	7/18/2014 4:12:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
2,4,5-TP (Silvex)	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
2,4-D	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
2,4-DB	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
4-Nitrophenol	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
Dicamba	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
Dichlorprop	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
Dinoseb	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
MCPA	ND	861		µg/Kg-dry	1	7/23/2014 6:11:00 PM
MCPP	ND	861		µg/Kg-dry	1	7/23/2014 6:11:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 2:29:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-029		
Client Sample ID:	TP09-S-0.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	8.61		µg/Kg-dry	1	7/23/2014 6:11:00 PM
Surr: 2,4-DCAA	49.8	34.3-141		%REC	1	7/23/2014 6:11:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 2:33:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-030
Client Sample ID: TP09-S-4.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1221	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1232	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1242	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1248	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1254	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1260	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1262	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Aroclor 1268	ND	0.366		µg/Kg-dry	1	7/25/2014 10:53:00 PM
Surr: Decachlorobiphenyl	96.2	56.5-130		%REC	1	7/25/2014 10:53:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 2:38:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-031		
Client Sample ID:	TP09-S-7.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 3:00:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-032
Client Sample ID: TP10-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	98.8	18.0	A1	mg/Kg-dry	1	7/19/2014 1:39:28 AM
Lube Oil	359	59.9	A2	mg/Kg-dry	1	7/19/2014 1:39:28 AM
Surr: o-Terphenyl	108	50-150		%REC	1	7/19/2014 1:39:28 AM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2960	758		µg/Kg-dry	10	7/24/2014 4:40:00 PM
Chromium	14300	758		µg/Kg-dry	10	7/24/2014 4:40:00 PM
Copper	38100	379		µg/Kg-dry	10	7/24/2014 4:40:00 PM
Lead	39300	190		µg/Kg-dry	10	7/24/2014 4:40:00 PM
Nickel	20400	379		µg/Kg-dry	10	7/24/2014 4:40:00 PM
Zinc	1030000	152000		µg/Kg-dry	200	7/28/2014 1:17:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0550	0.0179		mg/Kg-dry	1	7/18/2014 11:07:04 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Aroclor 1221	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Aroclor 1232	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Aroclor 1242	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Aroclor 1248	68500	39.9		µg/Kg-dry	100	7/21/2014 12:14:00 PM
Aroclor 1254	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Aroclor 1260	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Aroclor 1262	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Aroclor 1268	ND	0.399		µg/Kg-dry	1	7/18/2014 4:28:00 PM
Surr: Decachlorobiphenyl	78.4	56.5-130		%REC	1	7/18/2014 4:28:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 3:02:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-033
Client Sample ID: TP10-S-1.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	303		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Bolstar	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Chloropyrifos	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Coumaphos	ND	121		µg/Kg-dry	1	7/23/2014 3:18:00 PM
DEF	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Demeton-S	ND	60.7		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Diazinon	ND	60.7		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Dichlorovos	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Dimethoate	ND	60.7		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Disulfoton	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
EPN	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Ethion	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Ethoprop	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Fensulfothion	ND	121		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Fenthion	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Malathion	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Methyl parathion	ND	121		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Mevinphos	ND	121		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Naled	ND	303		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Parathion	ND	60.7		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Phorate	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Ronnel	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Stirofos	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Sulfotepp	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Tokuthion	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Trichloronate	ND	24.3		µg/Kg-dry	1	7/23/2014 3:18:00 PM
Surr: Tributylphosphate (Surr.)	121	50-150		%REC	1	7/23/2014 3:18:00 PM
Surr: Triphenylphosphate (Surr.)	62.0	50-150		%REC	1	7/23/2014 3:18:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
4,4´-DDE	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
4,4´-DDT	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Aldrin	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
alpha-BHC	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
alpha-Chlordane	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
beta-BHC	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Chlordane	ND	8.09		µg/Kg-dry	1	7/27/2014 5:46:00 PM
delta-BHC	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 3:02:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-033
Client Sample ID: TP10-S-1.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Endosulfan I	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Endosulfan II	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Endosulfan Sulfate	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Endrin	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Endrin aldehyde	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Endrin ketone	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
gamma-BHC	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
gamma-Chlordane	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Heptachlor	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Heptachlor epoxide	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Methoxychlor	ND	0.405		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Toxaphene	ND	8.09		µg/Kg-dry	1	7/27/2014 5:46:00 PM
Surr: Decachlorobiphenyl	86.1	25.9-136		%REC	1	7/27/2014 5:46:00 PM
Surr: Tetrachloro-m-xylene	2.92	15-124	S	%REC	1	7/27/2014 5:46:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1221	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1232	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1242	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1248	34.3	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1254	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1260	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1262	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Aroclor 1268	ND	0.404		µg/Kg-dry	1	7/25/2014 11:10:00 PM
Surr: Decachlorobiphenyl	66.5	56.5-130		%REC	1	7/25/2014 11:10:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
2,4,5-TP (Silvex)	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
2,4-D	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
2,4-DB	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
4-Nitrophenol	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
Dicamba	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
Dichlorprop	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
Dinoseb	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
MCPA	ND	809		µg/Kg-dry	1	7/23/2014 6:32:00 PM
MCPP	ND	809		µg/Kg-dry	1	7/23/2014 6:32:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 3:02:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-033		
Client Sample ID:	TP10-S-1.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	8.09		µg/Kg-dry	1	7/23/2014 6:32:00 PM
Surr: 2,4-DCAA	74.7	34.3-141		%REC	1	7/23/2014 6:32:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 3:19:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-034		
Client Sample ID:	TP10-S-4.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 3:25:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-035		
Client Sample ID:	TP10-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 3:00:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-036
Client Sample ID: TP-S-0.5DUP
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	78.2	18.0	A1	mg/Kg-dry	1	7/18/2014 8:39:28 PM
Lube Oil	232	59.9	A2	mg/Kg-dry	1	7/18/2014 8:39:28 PM
Surr: o-Terphenyl	81.7	50-150		%REC	1	7/18/2014 8:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2740	951		µg/Kg-dry	10	7/24/2014 4:47:00 PM
Chromium	14400	951		µg/Kg-dry	10	7/24/2014 4:47:00 PM
Copper	45300	476		µg/Kg-dry	10	7/24/2014 4:47:00 PM
Lead	34800	238		µg/Kg-dry	10	7/24/2014 4:47:00 PM
Nickel	11300	476		µg/Kg-dry	10	7/24/2014 4:47:00 PM
Zinc	1340000	190000		µg/Kg-dry	200	7/28/2014 5:22:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0608	0.0196		mg/Kg-dry	1	7/18/2014 11:10:04 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Aroclor 1221	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Aroclor 1232	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Aroclor 1242	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Aroclor 1248	53200	39.9		µg/Kg-dry	100	7/21/2014 12:31:00 PM
Aroclor 1254	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Aroclor 1260	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Aroclor 1262	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Aroclor 1268	ND	0.399		µg/Kg-dry	1	7/18/2014 4:45:00 PM
Surr: Decachlorobiphenyl	76.6	56.5-130		%REC	1	7/18/2014 4:45:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 3:41:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-037
Client Sample ID: TP11-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	293		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Bolstar	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Chloropyrifos	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Coumaphos	ND	117		µg/Kg-dry	1	7/23/2014 3:42:00 PM
DEF	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Demeton-S	ND	58.6		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Diazinon	ND	58.6		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Dichlorovos	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Dimethoate	ND	58.6		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Disulfoton	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
EPN	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Ethion	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Ethoprop	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Fensulfothion	ND	117		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Fenthion	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Malathion	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Methyl parathion	ND	117		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Mevinphos	ND	117		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Naled	ND	293		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Parathion	ND	58.6		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Phorate	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Ronnel	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Stirofos	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Sulfotepp	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Tokuthion	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Trichloronate	ND	23.5		µg/Kg-dry	1	7/23/2014 3:42:00 PM
Surr: Tributylphosphate (Surr.)	103	50-150		%REC	1	7/23/2014 3:42:00 PM
Surr: Triphenylphosphate (Surr.)	136	50-150		%REC	1	7/23/2014 3:42:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
4,4´-DDE	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
4,4´-DDT	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Aldrin	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
alpha-BHC	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
alpha-Chlordane	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
beta-BHC	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Chlordane	ND	7.82		µg/Kg-dry	1	7/27/2014 6:00:00 PM
delta-BHC	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 3:41:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-037
Client Sample ID: TP11-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Endosulfan I	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Endosulfan II	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Endosulfan Sulfate	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Endrin	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Endrin aldehyde	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Endrin ketone	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
gamma-BHC	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
gamma-Chlordane	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Heptachlor	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Heptachlor epoxide	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Methoxychlor	ND	0.391		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Toxaphene	ND	7.82		µg/Kg-dry	1	7/27/2014 6:00:00 PM
Surr: Decachlorobiphenyl	97.8	25.9-136		%REC	1	7/27/2014 6:00:00 PM
Surr: Tetrachloro-m-xylene	22.9	15-124		%REC	1	7/27/2014 6:00:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Aroclor 1221	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Aroclor 1232	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Aroclor 1242	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Aroclor 1248	5660	19.5		µg/Kg-dry	50	7/21/2014 12:48:00 PM
Aroclor 1254	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Aroclor 1260	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Aroclor 1262	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Aroclor 1268	ND	0.391		µg/Kg-dry	1	7/18/2014 5:02:00 PM
Surr: Decachlorobiphenyl	76.2	56.5-130		%REC	1	7/18/2014 5:02:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
2,4,5-TP (Silvex)	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
2,4-D	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
2,4-DB	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
4-Nitrophenol	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
Dicamba	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
Dichlorprop	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
Dinoseb	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
MCPA	ND	782		µg/Kg-dry	1	7/24/2014 12:42:46 PM
MCPP	ND	782		µg/Kg-dry	1	7/24/2014 12:42:46 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 3:41:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-037		
Client Sample ID:	TP11-S-0.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	7.82		µg/Kg-dry	1	7/24/2014 12:42:46 PM
Surr: 2,4-DCAA	50.3	34.3-141		%REC	1	7/24/2014 12:42:46 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 3:50:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-038
Client Sample ID: TP11-S-4.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1221	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1232	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1242	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1248	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1254	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1260	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1262	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Aroclor 1268	ND	0.374		µg/Kg-dry	1	7/25/2014 11:27:00 PM
Surr: Decachlorobiphenyl	88.6	56.5-130		%REC	1	7/25/2014 11:27:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 3:57:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-039		
Client Sample ID:	TP11-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 4:18:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-040
Client Sample ID: TP12-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	ND	17.8		mg/Kg-dry	1	7/18/2014 2:39:28 PM
Lube Oil	85.2	59.4	A2	mg/Kg-dry	1	7/18/2014 2:39:28 PM
Surr: o-Terphenyl	91.6	50-150		%REC	1	7/18/2014 2:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2610	914		µg/Kg-dry	10	7/24/2014 4:55:00 PM
Chromium	12100	914		µg/Kg-dry	10	7/24/2014 4:55:00 PM
Copper	30700	457		µg/Kg-dry	10	7/24/2014 4:55:00 PM
Lead	8650	229		µg/Kg-dry	10	7/24/2014 4:55:00 PM
Nickel	11500	457		µg/Kg-dry	10	7/24/2014 4:55:00 PM
Zinc	89900	9140		µg/Kg-dry	10	7/24/2014 4:55:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0235	0.0195		mg/Kg-dry	1	7/18/2014 11:13:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	297		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Bolstar	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Chloropyrifos	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Coumaphos	ND	119		µg/Kg-dry	1	7/23/2014 4:07:00 PM
DEF	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Demeton-S	ND	59.4		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Diazinon	ND	59.4		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Dichlorovos	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Dimethoate	ND	59.4		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Disulfoton	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
EPN	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Ethion	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Ethoprop	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Fensulfothion	ND	119		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Fenthion	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Malathion	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Methyl parathion	ND	119		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Mevinphos	ND	119		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Naled	ND	297		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Parathion	ND	59.4		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Phorate	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Ronnel	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Stirofos	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 4:18:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-040
Client Sample ID: TP12-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Tokuthion	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Trichloronate	ND	23.8		µg/Kg-dry	1	7/23/2014 4:07:00 PM
Surr: Tributylphosphate (Surr.)	118	50-150		%REC	1	7/23/2014 4:07:00 PM
Surr: Triphenylphosphate (Surr.)	66.0	50-150		%REC	1	7/23/2014 4:07:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
4,4´-DDE	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
4,4´-DDT	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Aldrin	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
alpha-BHC	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
alpha-Chlordane	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
beta-BHC	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Chlordane	ND	7.92		µg/Kg-dry	1	7/27/2014 6:57:00 PM
delta-BHC	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Dieldrin	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Endosulfan I	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Endosulfan II	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Endosulfan Sulfate	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Endrin	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Endrin aldehyde	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Endrin ketone	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
gamma-BHC	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
gamma-Chlordane	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Heptachlor	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Heptachlor epoxide	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Methoxychlor	ND	0.396		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Toxaphene	ND	7.92		µg/Kg-dry	1	7/27/2014 6:57:00 PM
Surr: Decachlorobiphenyl	112	25.9-136		%REC	1	7/27/2014 6:57:00 PM
Surr: Tetrachloro-m-xylene	0.406	15-124	S	%REC	1	7/27/2014 6:57:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM
Aroclor 1221	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM
Aroclor 1232	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM
Aroclor 1242	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM
Aroclor 1248	493	0.396		µg/Kg-dry	1	7/21/2014 1:05:00 PM
Aroclor 1254	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM

Specialty Analytical

Date Reported: 11-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/15/2014 4:18:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407110-040
Client Sample ID: TP12-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM
Aroclor 1262	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM
Aroclor 1268	ND	0.396		µg/Kg-dry	1	7/18/2014 5:19:00 PM
Surr: Decachlorobiphenyl	95.9	56.5-130		%REC	1	7/18/2014 5:19:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
2,4,5-TP (Silvex)	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
2,4-D	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
2,4-DB	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
4-Nitrophenol	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
Dicamba	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
Dichlorprop	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
Dinoseb	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
MCPA	ND	792		µg/Kg-dry	1	7/23/2014 6:53:00 PM
MCPP	ND	792		µg/Kg-dry	1	7/23/2014 6:53:00 PM
Pentachlorophenol	ND	7.92		µg/Kg-dry	1	7/23/2014 6:53:00 PM
Surr: 2,4-DCAA	54.2	34.3-141		%REC	1	7/23/2014 6:53:00 PM

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 4:25:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-041		
Client Sample ID:	TP12-S-4.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **11-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/15/2014 4:30:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407110-042		
Client Sample ID:	TP12-S-7.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **ICV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211203**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5050	100	5000	0	101	90	110				
Chromium	4990	100	5000	0	99.8	90	110				
Copper	5010	50.0	5000	0	100	90	110				
Lead	4710	25.0	5000	0	94.2	90	110				
Nickel	4990	50.0	5000	0	99.7	90	110				
Zinc	5200	1000	5000	0	104	90	110				

Sample ID: **LCS-7873** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **LCSS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	27600	1000	25000	0	110	80	120				
Copper	57500	500	50000	0	115	80	120				
Nickel	27900	500	25000	0	112	80	120				
Zinc	55700	10000	50000	0	111	69	129				

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	96600	991	99060	2573	94.9	70	130				
Chromium	35300	991	24770	14840	82.6	70	130				
Copper	85200	495	49530	35660	100	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	34500	495	24770	17330	69.1	70	130				S

Sample ID: **1407110-004AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	97700	991	99060	2573	96.0	70	130	96570	1.18	20	
Chromium	32800	991	24770	14840	72.5	70	130	35300	7.36	20	
Copper	76800	495	49530	35660	83.1	70	130	85220	10.3	20	
Nickel	35400	495	24770	17330	73.0	70	130	34450	2.72	20	

Sample ID: **1407110-004ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211235**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2130	923						2573	19.0	20	
Chromium	12900	923						14840	13.6	20	
Copper	31500	462						35660	12.3	20	
Lead	41100	231						38800	5.76	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04 **TestCode:** **6020_S**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **ICV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4990	100	5000	0	99.8	90	110				
Chromium	5080	100	5000	0	102	90	110				
Copper	4990	50.0	5000	0	99.9	90	110				
Lead	5070	25.0	5000	0	101	90	110				
Nickel	5110	50.0	5000	0	102	90	110				
Zinc	5100	1000	5000	0	102	90	110				

Sample ID: **MBLK-7827** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **PBS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	100									
Chromium	ND	100									
Copper	ND	50.0									
Lead	ND	25.0									
Nickel	ND	50.0									
Zinc	ND	1000									

Sample ID: **LCS-7827** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **LCSS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104000	2000	100000	0	104	73.4	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **LCS-7827** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **LCSS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	101000	500	100000	0	101	80	120				

Sample ID: **1407110-004ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	633000	92300						600800	5.19	20	

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	137000	4950	99060	32260	106	70	130				

Sample ID: **1407110-004AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	123000	4950	99060	32260	91.2	70	130	137100	11.2	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **CCV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211647**

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				
Chromium	5150	100	5000	0	103	90	110				
Copper	5120	50.0	5000	0	102	90	110				
Lead	4970	25.0	5000	0	99.4	90	110				
Nickel	5260	50.0	5000	0	105	90	110				
Zinc	5140	1000	5000	0	103	90	110				

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **ICV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5390	25.0	5000	0	108	90	110				
Nickel	5380	50.0	5000	0	108	90	110				
Zinc	5440	1000	5000	0	109	90	110				

Sample ID: **1407110-004ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	12200	462						16330	29.3	20	R

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 recov

QC SUMMARY REPORT

WO#: **1407110**

11-Aug-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211770**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	136000	4950	99060	35430	101	70	130				
Zinc	912000	198000	49530	640500	548	70	130				SMC

Sample ID: **1407110-004AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **TP02-S-0.5** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211771**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	122000	4950	99060	35430	87.5	70	130	135700	10.5	20	
Zinc	736000	198000	49530	640500	193	70	130	912000	21.3	20	SRMC

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **CCV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	5340	1000	5000	0	107	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **CCV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	5400	1000	5000	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **CCV 100**	SampType: **CCV**	TestCode: **8081BLL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16233**
Client ID: **CCV**	Batch ID: **7838**	TestNo: **SW8081B**	**3545_PESTLL**	Analysis Date: **7/27/2014**	SeqNo: **213343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	6.58	0.333	6.700	0	98.2	80	120				
4,4´-DDE	7.07	0.333	6.700	0	106	80	120				
4,4´-DDT	6.80	0.333	6.700	0	101	80	120				
Aldrin	7.02	0.333	6.700	0	105	80	120				
alpha-BHC	7.36	0.333	6.700	0	110	80	120				
alpha-Chlordane	6.88	0.333	6.700	0	103	80	120				
beta-BHC	6.64	0.333	6.700	0	99.1	80	120				
delta-BHC	6.69	0.333	6.700	0	99.8	80	120				
Dieldrin	6.96	0.333	6.700	0	104	80	120				
Endosulfan I	6.82	0.333	6.700	0	102	80	120				
Endosulfan II	6.40	0.333	6.700	0	95.6	80	120				
Endosulfan Sulfate	6.06	0.333	6.700	0	90.4	80	120				
Endrin	6.53	0.333	6.700	0	97.4	80	120				
Endrin aldehyde	6.86	0.333	6.700	0	102	80	120				
Endrin ketone	6.48	0.333	6.700	0	96.7	80	120				
gamma-BHC	7.01	0.333	6.700	0	105	80	120				
gamma-Chlordane	6.85	0.333	6.700	0	102	80	120				
Heptachlor	7.04	0.333	6.700	0	105	80	120				
Heptachlor epoxide	6.79	0.333	6.700	0	101	80	120				
Methoxychlor	6.41	0.333	6.700	0	95.6	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **CCV 100** SampType: **CCV** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: RunNo: **16233**

Client ID: **CCV** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/28/2014** SeqNo: **213344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	8.62	0.333	6.700	0	129	80	120				SC
4,4´-DDE	7.94	0.333	6.700	0	119	80	120				
4,4´-DDT	7.36	0.333	6.700	0	110	80	120				
Aldrin	8.03	0.333	6.700	0	120	80	120				
alpha-BHC	8.52	0.333	6.700	0	127	80	120				SC
alpha-Chlordane	7.82	0.333	6.700	0	117	80	120				
beta-BHC	7.62	0.333	6.700	0	114	80	120				
delta-BHC	7.94	0.333	6.700	0	118	80	120				
Dieldrin	8.02	0.333	6.700	0	120	80	120				
Endosulfan I	7.82	0.333	6.700	0	117	80	120				
Endosulfan II	7.56	0.333	6.700	0	113	80	120				
Endosulfan Sulfate	6.99	0.333	6.700	0	104	80	120				
Endrin	7.00	0.333	6.700	0	105	80	120				
Endrin aldehyde	8.14	0.333	6.700	0	122	80	120				SC
Endrin ketone	7.96	0.333	6.700	0	119	80	120				
gamma-BHC	8.28	0.333	6.700	0	124	80	120				SC
gamma-Chlordane	7.91	0.333	6.700	0	118	80	120				
Heptachlor	8.61	0.333	6.700	0	129	80	120				SC
Heptachlor epoxide	7.80	0.333	6.700	0	116	80	120				
Methoxychlor	7.59	0.333	6.700	0	113	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **MB-7838**	SampType: **MBLK**	TestCode: **8081BLL_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16233**
Client ID: **PBS**	Batch ID: **7838**	TestNo: **SW8081B**	**3545_PESTLL**	Analysis Date: **7/27/2014**	SeqNo: **213346**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.333									
4,4´-DDE	ND	0.333									
4,4´-DDT	ND	0.333									
Aldrin	ND	0.333									
alpha-BHC	ND	0.333									
alpha-Chlordane	ND	0.333									
beta-BHC	ND	0.333									
Chlordane	ND	6.67									
delta-BHC	ND	0.333									
Dieldrin	ND	0.333									
Endosulfan I	ND	0.333									
Endosulfan II	ND	0.333									
Endosulfan Sulfate	ND	0.333									
Endrin	ND	0.333									
Endrin aldehyde	ND	0.333									
Endrin ketone	ND	0.333									
gamma-BHC	ND	0.333									
gamma-Chlordane	ND	0.333									
Heptachlor	ND	0.333									
Heptachlor epoxide	ND	0.333									
Methoxychlor	ND	0.333									
Toxaphene	ND	6.67									
Surr: Decachlorobiphenyl	8.50		6.700		127	53.2	136				
Surr: Tetrachloro-m-xylene	3.90		6.700		58.2	32.3	84.1				

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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **1407119-012AMS** SampType: **MS** TestCode: **8081BLL_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16233**
Client ID: **ZZZZZZ** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	5.00	0.428	8.605	0	58.1	36.6	123				
Aldrin	4.32	0.428	8.605	0	50.2	41.9	100				
Dieldrin	4.14	0.428	8.605	0	48.1	44.3	108				
Endrin	4.42	0.428	8.605	0	51.3	32.1	103				
gamma-BHC	3.88	0.428	8.605	0	45.0	42	102				
Heptachlor	3.98	0.428	8.605	0	46.3	45.7	98.9				

Sample ID: **1407119-012AMSD** SampType: **MSD** TestCode: **8081BLL_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16233**
Client ID: **ZZZZZZ** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	4.31	0.428	8.605	0	50.1	36.6	123	4.999	14.7	20	
Aldrin	4.05	0.428	8.605	0	47.1	41.9	100	4.324	6.47	20	
Dieldrin	4.02	0.428	8.605	0	46.7	44.3	108	4.141	3.06	20	
Endrin	3.82	0.428	8.605	0	44.4	32.1	103	4.416	14.5	20	
gamma-BHC	3.67	0.428	8.605	0	42.6	42	102	3.612	1.48	20	
Heptachlor	4.00	0.428	8.605	0	46.5	45.7	98.9	3.981	0.532	20	

Sample ID: **LCS-7838** SampType: **LCS** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: **7/21/2014** RunNo: **16233**
Client ID: **LCSS** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	4.78	0.333	6.700	0	71.4	65.2	128				

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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **LCS-7838** SampType: **LCS** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: **7/21/2014** RunNo: **16233**

Client ID: **LCSS** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	4.16	0.333	6.700	0	62.1	52.9	129				
Dieldrin	3.81	0.333	6.700	0	56.8	52.8	136				
Endrin	4.02	0.333	6.700	0	60.0	53.9	150				
gamma-BHC	3.28	0.333	6.700	0	49.0	44	134				
Heptachlor	3.35	0.333	6.700	0	50.1	47.4	116				

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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **MB-7820**	SampType: **MBLK**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **7/17/2014**	RunNo: **16049**
Client ID: **PBS**	Batch ID: **7820**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/18/2014**	SeqNo: **210434**

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	6650		6667		99.8	56.5	130				

Sample ID: **LCS-7820**	SampType: **LCS**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **7/17/2014**	RunNo: **16049**
Client ID: **LCSS**	Batch ID: **7820**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/18/2014**	SeqNo: **210435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	68.9	0.333	66.67	0	103	44.3	137				

Sample ID: **1016/1260 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16049**
Client ID: **CCV**	Batch ID: **7820**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/18/2014**	SeqNo: **210436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	64.6	0.333	66.67	0	97.0	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1407110-001AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **7/18/2014** RunNo: **16049**
Client ID: **TP01-S-0.5** Batch ID: **7820** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/18/2014** SeqNo: **210575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	428	0.333	66.67	0	642	56.6	123				SMI

Sample ID: **1407110-001AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **7/18/2014** RunNo: **16049**
Client ID: **TP01-S-0.5** Batch ID: **7820** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/18/2014** SeqNo: **210576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	697	0.333	66.67	0	1040	56.6	123	427.9	47.8	20	SRMI

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16049**
Client ID: **CCV** Batch ID: **7820** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/21/2014** SeqNo: **210686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.7	0.333	66.67	0	100	85	115				

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16049**
Client ID: **CCV** Batch ID: **7820** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/21/2014** SeqNo: **210687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.8	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

11-Aug-14

Specialty Analytical

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **MB-7851** SampType: **MBLK** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **7/23/2014** RunNo: **16126**

Client ID: **PBS** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211572**

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	8030		6667		120	56.5	130				

Sample ID: **LCS-7851** SampType: **LCS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **7/23/2014** RunNo: **16126**

Client ID: **LCSS** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	73.7	0.333	66.67	0	111	44.3	137				

Sample ID: **1407119-058AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/23/2014** RunNo: **16126**

Client ID: **ZZZZZZ** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	183	0.386	77.30	0	237	56.6	123				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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1407119-058AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/23/2014** RunNo: **16126**
Client ID: **ZZZZZZ** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/26/2014** SeqNo: **211585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	397	0.386	77.30	0	513	56.6	123	183.0	73.7	20	SRMI

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16126**
Client ID: **CCV** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.7	0.333	66.67	0	100	85	115				

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16126**
Client ID: **CCV** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/26/2014** SeqNo: **211727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **MB-7830** SampType: **MBLK** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **PBS** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **210979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	ND	6.67									
2,4,5-TP (Silvex)	ND	6.67									
2,4-D	ND	6.67									
2,4-DB	ND	6.67									
4-Nitrophenol	ND	6.67									
Dicamba	ND	6.67									
Dichlorprop	ND	6.67									
Dinoseb	ND	6.67									
MCPA	ND	667									
MCPP	ND	667									
Pentachlorophenol	ND	6.67									
Surr: 2,4-DCAA	4210		6665		63.2	34.3	141				

Sample ID: **LCS-7830** SampType: **LCS** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **LCSS** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **210980**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	32.9	6.67	66.65	0	49.4	46.8	115				
2,4,5-TP (Silvex)	39.1	6.67	66.65	0	58.6	38.7	137				
2,4-D	43.6	6.67	66.65	0	65.4	34.2	123				
Dichlorprop	57.5	6.67	66.65	0	86.2	56.8	140				
Pentachlorophenol	32.1	6.67	66.65	0	48.2	26.5	117				

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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**
Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **210999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	60.5	6.67	66.65	0	90.8	85	115				
2,4,5-TP (Silvex)	62.7	6.67	66.65	0	94.0	85	115				
2,4-D	74.6	6.67	66.65	0	112	85	115				
2,4-DB	61.7	6.67	66.65	0	92.6	85	115				
4-Nitrophenol	75.2	6.67	66.65	0	113	85	115				
Dicamba	63.2	6.67	66.65	0	94.8	85	115				
Dichlorprop	57.5	6.67	66.65	0	86.2	85	115				
Dinoseb	62.4	6.67	66.65	0	93.6	85	115				
MCPA	7050	666	6665	0	106	85	115				
MCPP	7160	666	6665	0	108	85	115				
Pentachlorophenol	60.3	6.67	66.65	0	90.4	85	115				

Sample ID: **1407110-018AMS** SampType: **MS** TestCode: **8151_S** Units: **µg/Kg-dry** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **TP06-S-0.5** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **211000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	157	7.59	75.87	0	207	20	124				SMI
2,4,5-TP (Silvex)	151	7.59	75.87	0	199	16.4	131				SMI
2,4-D	47.2	7.59	75.87	0	62.2	20	123				
Dichlorprop	52.2	7.59	75.87	0	68.8	8.98	120				
Pentachlorophenol	53.7	7.59	75.87	14.42	51.8	18.4	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **1407110-018AMSD** SampType: **MSD** TestCode: **8151_S** Units: **µg/Kg-dry** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **TP06-S-0.5** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **211001**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	180	7.59	75.87	0	237	20	124	157.2	13.2	20	SMI
2,4,5-TP (Silvex)	228	7.59	75.87	0	300	16.4	131	150.7	40.7	20	SRMI
2,4-D	43.7	7.59	75.87	0	57.6	20	123	47.20	7.68	20	
Dichlorprop	48.1	7.59	75.87	0	63.4	8.98	120	52.21	8.17	20	
Pentachlorophenol	49.0	7.59	75.87	14.42	45.6	18.4	137	53.73	9.16	20	

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**
Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **211002**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	59.3	6.67	66.65	0	89.0	85	115				
2,4,5-TP (Silvex)	59.9	6.67	66.65	0	89.8	85	115				
2,4-D	68.1	6.67	66.65	0	102	85	115				
2,4-DB	61.9	6.67	66.65	0	92.8	85	115				
4-Nitrophenol	75.7	6.67	66.65	0	114	85	115				
Dicamba	59.6	6.67	66.65	0	89.4	85	115				
Dichlorprop	58.4	6.67	66.65	0	87.6	85	115				
Dinoseb	61.7	6.67	66.65	0	92.6	85	115				
MCPA	6670	666	6665	0	100	85	115				
MCPP	7360	666	6665	0	110	85	115				
Pentachlorophenol	58.7	6.67	66.65	0	88.0	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**
Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211003**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	62.0	6.67	66.65	0	93.0	85	115				
2,4,5-TP (Silvex)	66.1	6.67	66.65	0	99.2	85	115				
2,4-D	74.8	6.67	66.65	0	112	85	115				
2,4-DB	63.2	6.67	66.65	0	94.8	85	115				
4-Nitrophenol	75.2	6.67	66.65	0	113	85	115				
Dicamba	67.0	6.67	66.65	0	101	85	115				
Dichlorprop	60.8	6.67	66.65	0	91.2	85	115				
Dinoseb	65.5	6.67	66.65	0	98.2	85	115				
MCPA	7450	666	6665	0	112	85	115				
MCPP	7560	666	6665	0	113	85	115				
Pentachlorophenol	63.5	6.67	66.65	0	95.2	85	115				

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**
Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	59.3	6.67	66.65	0	89.0	85	115				
2,4,5-TP (Silvex)	60.7	6.67	66.65	0	91.0	85	115				
2,4-D	68.1	6.67	66.65	0	102	85	115				
2,4-DB	63.5	6.67	66.65	0	95.2	85	115				
4-Nitrophenol	71.7	6.67	66.65	0	108	85	115				
Dicamba	60.8	6.67	66.65	0	91.2	85	115				
Dichlorprop	60.8	6.67	66.65	0	91.2	85	115				
Dinoseb	56.9	6.67	66.65	0	85.4	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**

Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MCPA	6830	666	6665	0	103	85	115				
MCPP	7030	666	6665	0	105	85	115				
Pentachlorophenol	58.4	6.67	66.65	0	87.6	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **HG_CTS**

Sample ID: **MB-7826** SampType: **MBLK** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **PBS** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0167									

Sample ID: **LCS-7826** SampType: **LCS** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **LCSS** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.373	0.0167	0.4000	0	93.3	80	120				

Sample ID: **1407083-001BDUP** SampType: **DUP** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **ZZZZZZ** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210345**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0144						0	0	20	

Sample ID: **1407083-001BMS** SampType: **MS** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **ZZZZZZ** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210346**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.298	0.0158	0.3774	0.004071	77.8	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **HG_CTS**

Sample ID: **1407083-001BMSD**	SampType: **MSD**	TestCode: **HG_CTS**	Units: **mg/Kg**	Prep Date: **7/17/2014**	RunNo: **16042**
Client ID: **ZZZZZZ**	Batch ID: **7826**	TestNo: **SW 7471B**	**SW 7471B**	Analysis Date: **7/18/2014**	SeqNo: **210347**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.262	0.0146	0.3509	0.004071	73.4	75	125	0.2976	12.9	20	S

Sample ID: **CCV**	SampType: **CCV**	TestCode: **HG_CTS**	Units: **mg/Kg**	Prep Date:	RunNo: **16042**
Client ID: **CCV**	Batch ID: **7826**	TestNo: **SW 7471B**	**SW 7471B**	Analysis Date: **7/18/2014**	SeqNo: **210375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.374	0.0167	0.4000	0	93.6	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **CCV**	SampType: **CCV**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date:	RunNo: **16057**
Client ID: **CCV**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1170	15.0	1332	0	88.2	85	115				
Lube Oil	704	50.0	666.0	0	106	85	115				

Sample ID: **MB-7819**	SampType: **MBLK**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date: **7/17/2014**	RunNo: **16057**
Client ID: **PBS**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210503**

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	22.3		33.33		67.0	50	150				

Sample ID: **LCS-7819**	SampType: **LCS**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date: **7/17/2014**	RunNo: **16057**
Client ID: **LCSS**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	128	15.0	166.7	0	76.6	76.3	125				
Lube Oil	121	50.0	166.7	0	72.4	69.9	127				

Sample ID: **CCV**	SampType: **CCV**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date:	RunNo: **16057**
Client ID: **CCV**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210516**

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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16057**
Client ID: **CCV** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1000	15.0	999.0	0	100	85	115				
Lube Oil	531	50.0	499.5	0	106	85	115				

Sample ID: **CCB** SampType: **CCB** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16057**
Client ID: **CCB** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210517**

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	24.8		33.30		74.5	50	150				

Sample ID: **1407119-040ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: RunNo: **16057**
Client ID: **ZZZZZZ** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210522**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	17.4						62.36	200	20	RF
Lube Oil	100	58.1						215.4	72.9	20	R,A2

Sample ID: **1407110-026ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16057**
Client ID: **TP08-S-0.5** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/19/2014** SeqNo: **210528**

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 recov

QC SUMMARY REPORT

WO#: **1407110**

11-Aug-14

Specialty Analytical

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **1407110-026ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16057**

Client ID: **TP08-S-0.5** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/19/2014** SeqNo: **210528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	42.1	17.1						52.34	21.6	20	RF,A1
Lube Oil	323	57.0						404.7	22.6	20	RA2

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16057**

Client ID: **CCV** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/19/2014** SeqNo: **210530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1050	15.0	999.0	0	105	85	115				
Lube Oil	569	50.0	499.5	0	114	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **CCV-7842**	SampType: **CCV**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16086**
Client ID: **CCV**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	361	20.0	333.4	0	108	80	120				
Bolstar	327	20.0	333.4	0	98.2	80	120				
Chloropyrifos	324	20.0	333.4	0	97.2	80	120				
Coumaphos	321	20.0	333.4	0	96.4	80	120				
DEF	359	20.0	333.4	0	108	80	120				
Demeton-S	295	20.0	333.4	0	88.4	80	120				
Diazinon	328	20.0	333.4	0	98.4	80	120				
Dichlorovos	319	20.0	333.4	0	95.8	80	120				
Dimethoate	315	20.0	333.4	0	94.6	80	120				
Disulfoton	305	20.0	333.4	0	91.4	80	120				
EPN	322	20.0	333.4	0	96.6	80	120				
Ethion	325	20.0	333.4	0	97.6	80	120				
Ethoprop	304	20.0	333.4	0	91.2	80	120				
Fensulfothion	334	20.0	333.4	0	100	80	120				
Fenthion	320	20.0	333.4	0	96.0	80	120				
Malathion	326	20.0	333.4	0	97.8	80	120				
Methyl parathion	305	20.0	333.4	0	91.6	80	120				
Mevinphos	315	20.0	333.4	0	94.4	80	120				
Naled	337	20.0	333.4	0	101	80	120				
Parathion	312	20.0	333.4	0	93.6	80	120				
Phorate	322	20.0	333.4	0	96.6	80	120				
Ronnel	319	20.0	333.4	0	95.6	80	120				
Stirofos	315	20.0	333.4	0	94.6	80	120				
Sulfotepp	303	20.0	333.4	0	90.8	80	120				
Tokuthion	329	20.0	333.4	0	98.8	80	120				
Trichloronate	321	20.0	333.4	0	96.2	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04 **TestCode:** **OPEST_S**

Sample ID: **CCV-7842**	SampType: **CCV**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16086**
Client ID: **CCV**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCS-7842**	SampType: **LCS**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16086**
Client ID: **LCSS**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210929**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	37.3	10.0	66.67	0	56.0	37	150				
Chloropyrifos	44.0	10.0	66.67	0	66.0	48	150				
DEF	45.3	10.0	66.67	0	68.0	42	150				
Dimethoate	15.3	10.0	66.67	0	23.0	22	150				
Disulfoton	22.7	10.0	66.67	0	34.0	33	150				
Fensulfothion	48.0	10.0	66.67	0	72.0	65	150				
Malathion	35.3	10.0	66.67	0	53.0	50	150				
Methyl parathion	34.0	10.0	66.67	0	51.0	50	150				
Parathion	35.3	10.0	66.67	0	53.0	50	150				
Phorate	34.7	10.0	66.67	0	52.0	43	150				

Sample ID: **MB-7842**	SampType: **MBLK**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16086**
Client ID: **PBS**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	ND	250									
Bolstar	ND	20.0									
Chloropyrifos	ND	20.0									

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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **MB-7842**	SampType: **MBLK**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16086**
Client ID: **PBS**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Coumaphos	ND	100									
DEF	ND	20.0									
Demeton-S	ND	50.0									
Diazinon	ND	50.0									
Dichlorovos	ND	20.0									
Dimethoate	ND	50.0									
Disulfoton	ND	20.0									
EPN	ND	20.0									
Ethion	ND	20.0									
Ethoprop	ND	20.0									
Fensulfothion	ND	100									
Fenthion	ND	20.0									
Malathion	ND	20.0									
Methyl parathion	ND	100									
Mevinphos	ND	100									
Naled	ND	250									
Parathion	ND	50.0									
Phorate	ND	20.0									
Ronnel	ND	20.0									
Stirofos	ND	20.0									
Sulfotepp	ND	20.0									
Tokuthion	ND	20.0									
Trichloronate	ND	20.0									
Surr: Tributylphosphate (Surr.)	34.0		66.67		51.0	50	150				
Surr: Triphenylphosphate (Surr.)	46.7		66.67		70.0	50	150				

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 recov

QC SUMMARY REPORT

WO#: **1407110**

11-Aug-14

Specialty Analytical

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **1407110-029AMS** SampType: **MS** TestCode: **OPEST_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16086**

Client ID: **TP09-S-0.5** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/23/2014** SeqNo: **210943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	98.2	25.8	86.10	0	114	37	150				
Chloropyrifos	62.9	25.8	86.10	0	73.0	48	150				
DEF	50.8	25.8	86.10	0	59.0	42	150				
Dimethoate	42.2	25.8	86.10	0	49.0	22	150				
Disulfoton	47.4	25.8	86.10	0	55.0	33	150				
Fensulfothion	113	25.8	86.10	0	131	55	150				
Malathion	46.5	25.8	86.10	7.749	45.0	50	150				
Methyl parathion	43.0	25.8	86.10	0	50.0	50	150				
Parathion	48.2	25.8	86.10	0	56.0	50	150				
Phorate	50.8	25.8	86.10	0	59.0	43	150				

Sample ID: **1407110-029AMSD** SampType: **MSD** TestCode: **OPEST_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16086**

Client ID: **TP09-S-0.5** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/23/2014** SeqNo: **210944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	92.1	25.8	86.10	0	107	37	150	98.15	6.33	20	
Chloropyrifos	62.9	25.8	86.10	0	73.0	48	150	62.85	0	20	
DEF	71.5	25.8	86.10	0	83.0	42	150	50.80	33.8	20	R
Dimethoate	36.2	25.8	86.10	0	42.0	22	150	42.19	15.4	20	
Disulfoton	47.4	25.8	86.10	0	55.0	33	150	47.35	0	20	
Fensulfothion	101	25.8	86.10	0	117	55	150	112.8	11.3	20	
Malathion	49.1	25.8	86.10	7.749	48.0	50	150	46.49	5.41	20	S
Methyl parathion	47.4	25.8	86.10	0	55.0	50	150	43.05	9.52	20	
Parathion	45.6	25.8	86.10	0	53.0	50	150	48.22	5.50	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **1407110-029AMSD** SampType: **MSD** TestCode: **OPEST_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16086**
Client ID: **TP09-S-0.5** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/23/2014** SeqNo: **210944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phorate	49.1	25.8	86.10	0	57.0	43	150	50.80	3.45	20	

Sample ID: **CCV-7842** SampType: **CCV** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16086**
Client ID: **CCV** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	390	250	333.4	0	117	80	120				
Bolstar	319	20.0	333.4	0	95.6	80	120				
Chloropyrifos	285	20.0	333.4	0	85.4	80	120				
Coumaphos	339	100	333.4	0	102	80	120				
DEF	299	20.0	333.4	0	89.8	80	120				
Demeton-S	375	50.0	333.4	0	113	80	120				
Diazinon	277	50.0	333.4	0	83.2	80	120				
Dichlorovos	337	20.0	333.4	0	101	80	120				
Dimethoate	353	50.0	333.4	0	106	80	120				
Disulfoton	337	20.0	333.4	0	101	80	120				
EPN	347	20.0	333.4	0	104	80	120				
Ethion	319	20.0	333.4	0	95.6	80	120				
Ethoprop	299	20.0	333.4	0	89.6	80	120				
Fensulfothion	397	100	333.4	0	119	80	120				
Fenthion	289	20.0	333.4	0	86.6	80	120				
Malathion	311	20.0	333.4	0	93.4	80	120				
Methyl parathion	314	100	333.4	0	94.2	80	120				
Mevinphos	355	100	333.4	0	106	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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **CCV-7842** SampType: **CCV** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16086**
Client ID: **CCV** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naled	399	250	333.4	0	120	80	120				
Parathion	308	50.0	333.4	0	92.4	80	120				
Phorate	286	20.0	333.4	0	85.8	80	120				
Ronnel	287	20.0	333.4	0	86.0	80	120				
Stirofos	330	20.0	333.4	0	99.0	80	120				
Sulfotepp	301	20.0	333.4	0	90.2	80	120				
Tokuthion	309	20.0	333.4	0	92.8	80	120				
Trichloronate	283	20.0	333.4	0	85.0	80	120				

Sample ID: **CCB-7842** SampType: **CCB** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16086**
Client ID: **CCB** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	ND	250									
Bolstar	ND	20.0									
Chloropyrifos	ND	20.0									
Coumaphos	ND	100									
DEF	ND	20.0									
Demeton-S	ND	50.0									
Diazinon	ND	50.0									
Dichlorovos	ND	20.0									
Dimethoate	ND	50.0									
Disulfoton	ND	20.0									
EPN	ND	20.0									

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 recov

QC SUMMARY REPORT

WO#: **1407110**

Specialty Analytical

11-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **CCB-7842**	SampType: **CCB**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16086**
Client ID: **CCB**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/24/2014**	SeqNo: **211055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethion	ND	20.0									
Ethoprop	ND	20.0									
Fensulfothion	ND	100									
Fenthion	ND	20.0									
Malathion	ND	20.0									
Methyl parathion	ND	100									
Mevinphos	ND	100									
Naled	ND	250									
Parathion	ND	50.0									
Phorate	ND	20.0									
Ronnel	ND	20.0									
Stirofos	ND	20.0									
Sulfotepp	ND	20.0									
Tokuthion	ND	20.0									
Trichloronate	ND	20.0									
Surr: Tributylphosphate (Surr.)	36.0		66.67		54.0	50	150				
Surr: Triphenylphosphate (Surr.)	42.7		66.67		64.0	50	150				

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 recov

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 that 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: Seth Otto
Company: MFA
Address: 400 E Mill Plain Suite 400
Vancouver, WA
Phone: 360-694-2691 Fax:
Project No. 9059.07.04 Project Name: Fleischer
Project Site Location OR ___ WA X Other ___
Invoice To: MFA P.O. No.

Collected By:
Signature: Emily N. Hess
Printed: Emily N Hess
Signature: Courtney Savoie
Printed: Courtney Savoie

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1407110
Shipped Via: Specialty
Air Bill No.
Temperature On Receipt 4 °C
Specialty Analytical Containers? (Y) N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses										Comments	Lab I.D.
07/15/14	8:32	TP01-S-0.5	S	3												
	837	TP01-S-4.0														
	842	TP01-S-8.5														
	915	TP02-S-0.5														
	920	TP02-S-2.0														
	930	TP02-S-7.0														
	951	TP03-S-0.5														
	956	TP03-S-4.0														
	1013	TP03-S-8.0														
	1040	TP04-S-0.25														
	1041	TP04-S-1.0														
	1050	TP04-S-5.5														

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/15	1815	Company:	Company:	7/16/14	1315

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:	Date	Time
Cindy Hollyard	7/16/14	1315

Copies: White-Original Yellow-Project File Pink-Customer Copy

CHAIN OF CUSTODY RECORD

— Same —

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

Contact Person/Project Manager: Seth Otto
Company: MFA
Address: 400 E. Mill Plain Suite 400
Vancouver WA
Phone: _____ Fax: _____
Project No. _____ Project Name _____
Project Site Location OR _____ WA _____ Other _____
Invoice To _____ P.O. No. _____

Collected By:
Signature: Emily N. Hess
Printed: Emily N. Hess
Signature: Courtney Savoie
Printed: Courtney Savoie

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1407110
Shipped Via: Specialty
Air Bill No. _____
Temperature On Receipt 4 °C
Specialty Analytical Containers? (Y) N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses									Comments	Lab I.D.
071514	1100	TP04-S-7.0	S	3											
	1125	TP05-S-0.5													
	1128	TP05-S-1.5													
	1133	TP05-S-4.5													
	1140	TP05-S-8.0													
	1157	TP06-S-0.5													
	1159	TP06-S-2.0													
	1206	TP06-S-4.5													
	1219	TP06-S-7.5													
	1311	TP07-S-0.25													
	1312	TP07-S-1.0													
	1326	TP07-S-5.0													

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/15	1815	Company:	Company:	7/16/14	1315

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:	Date	Time
Cindy Hellyard	7/16/14	1315

Copies: White-Original Yellow-Project File Pink-Customer Copy

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 — Same —
Company
Address
Phone Fax
Project No. Project Name
Project Site Location OR WA Other
Invoice To P.O. No.

Collected By:
Signature Emily N. Hess
Printed EMILY N. HESS
Signature Courtney Savore
Printed Courtney Savore

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. A07110
Shipped Via Specialty
Air Bill No.
Temperature On Receipt 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses										Comments	Lab I.D.
07/15/14	1331	TP07-S-7.5	S	3												
	1353	TP08-S-0.5														
	1401	TP08-S-4.5														
	1410	TP08-S-7.5														
	1429	TP09-S-0.5														
	1433	TP09-S-4.5														
	1438	TP09-S-7.5														
	1500	TP10-S-0.5														
	1502	TP10-S-1.5														
	1519	TP10-S-4.5														
	1525	TP10-S-7.0														
	1500	TP-S-0.5 DUP														

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/15	1815	Company:	Company:	7/16/14	1315

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:	Date	Time
Cindy Hillyard	7/16/14	1315

Copies: White-Original Yellow-Project File Pink-Customer Copy

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: -Same-
Company:
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: Other:
Invoice To: P.O. No.:

Collected By:
Signature: Emily N. Hess
Printed: EMILY N. HESS
Signature: Courtney Savoie
Printed: Courtney Savoie

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1407110
Shipped Via: Specialty
Air Bill No.:
Temperature On Receipt: 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses	Comments	Lab I.D.
07/15/14	15:41	TP11-S-0.5	S	3			
	15:50	TP11-S-4.5		3			
	15:57	TP11-S-~~7~~ ENN 7.0		3			
	16:18	TP12-S-0.5		3			
	16:25	TP12-S-4.0		3			
	16:30	TP12-S-7.5		3			

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/15	1875	Company:	Company:	7/16/14	1315

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:	Date	Time
Cindy Hillyard	7/16/14	1315

Copies: White-Original Yellow-Project File Pink-Customer Copy

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: Seth Otto
Company: MFA
Address: 400 E Mill Plain Suite 400
Vancouver WA
Phone: 360-694-2691 Fax:
Project No. 9059.07.04 Project Name: Fleischer
Project Site Location OR ___ WA X Other ___
Invoice To: MFA P.O. No. ___

Collected By:
Signature: Emily N. Hess
Printed: Emily Hess
Signature: Courtney Savoie
Printed: Courtney Savoie

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush ___
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. ___
Shipped Via ___
Air Bill No. ___
Temperature On Receipt ___ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	NWTPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Org. P. Pest. 8270D				Comments	Lab I.D.
07/15/14	8:32	TP01-S-0.5	S	3	X				X	X	X					1
	8:37	TP01-S-4.0														2
	8:42	TP01-S-8.5														3
	9:15	TP02-S-0.5			X	X	X	X	X	X	X					4
	9:20	TP02-S-2.0			⊗											5
	9:30	TP02-S-7.0														6
	9:51	TP03-S-0.5			X	X	X	X	X	X	X					7
	9:56	TP03-S-4.0														8
	10:13	TP03-S-8.0														9
	10:40	TP04-S-0.25			X	X	X	X								10
	10:41	TP04-S-1.0			⊗				X	X	X					11
	10:50	TP04-S-5.5														12

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company:			Company:	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: | Date | Time

Copies: White-Original Yellow-Project File Pink-Customer Copy

CHAIN OF CUSTODY RECORD

— same —

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

Contact Person/Project Manager: Seth Otto
Company: MFA
Address: 400 E. Mill Plain Suite 400
Vancouver WA
Phone: _____ Fax: _____
Project No. _____ Project Name _____
Project Site Location OR _____ WA _____ Other _____
Invoice To _____ P.O. No. _____

Collected By:
Signature: Emily N. Hess
Printed: Emily N. Hess
Signature: Courtney Savoie
Printed: Courtney Savoie

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. _____
Shipped Via _____
Air Bill No. _____
Temperature On Receipt _____ °C
Specially Analytical Containers? Y / N
Specially Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	NW TPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Org. P. Pest. 8270D				Comments	Lab I.D.
071514	1100	TP04-S-7.0	S	3												13
	1125	TP05-S-0.5			X				X	X	X					14
	1128	TP05-S-1.5			⊗											15
	1133	TP05-S-4.5														16
	1140	TP05-S-8.0														17
	1157	TP06-S-0.5			X	X	X	X	X	X	X					18
	1159	TP06-S-2.0			⊗											19
	1206	TP06-S-4.5														20
	1219	TP06-S-7.5														21
	1311	TP07-S-0.25			X	X	X	X								22
	1312	TP07-S-1.0			⊗				X	X	X					23
	1326	TP07-S-5.0														24

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company:			Company:	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: _____ Date _____ Time _____

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Address
Phone Fax
Project No. Project Name
Project Site Location OR WA Other
Invoice To P.O. No.

Collected By:
Signature Emily N. Hess
Printed Emily N. Hess
Signature Courtney Savoie
Printed Courtney Savoie

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No.
Shipped Via
Air Bill No.
Temperature On Receipt ____ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	MWTPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Org. P. Pest. 8270D				Comments	Lab I.D.
07/15/14	1331	TP07-S-7.5	S	3												25
	1353	TP08-S-0.5			X	X	X	X	X	X	X					26
	1401	TP08-S-4.5														27
	1410	TP08-S-7.5														28
	1429	TP09-S-0.5			X				X	X	X					29
	1433	TP09-S-4.5			X											30
	1438	TP09-S-7.5														31
	1500	TP10-S-0.5			X	X	X	X								32
	1502	TP10-S-1.5			X				X	X	X					33
	1519	TP10-S-4.5														34
	1525	TP10-S-7.0														35
	1500	TP-S-0.5 DUP			X	X	X	X								36

no analysis

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company:			Company:	Company:		

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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: -Same-
Company:
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: Other:
Invoice To: P.O. No.:

Collected By:
Signature: Emily N. Hess
Printed: Emily N. Hess
Signature: Courtney Savoie
Printed: Courtney Savoie

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No.:
Shipped Via:
Air Bill No.:
Temperature On Receipt ____ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	NWTPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Org. P. Pest. 8270D				Comments	Lab I.D.
07/15/14	15:41	TP11-S-0.5	S	3	X				X	X	X					37
	15:50	TP11-S-4.5		3	X											38
	15:57	TP11-S-7.0		3												39
	16:18	TP12-S-0.5		3	X	X	X	X	X	X	X					40
	16:25	TP12-S-4.0		3												41
	16:30	TP12-S-7.5		3												42

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company:			Company:	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: Date Time

Copies: White-Original Yellow-Project File Pink-Customer Copy

Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

August 28, 2014

Seth Otto
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660

TEL: (360) 694-2691
FAX (360) 906-1958

RE: Fleischer / 9059.07.04

Dear Seth Otto: Order No.: 1407119

Specialty Analytical received 58 sample(s) on 7/17/2014 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,

Marty French
Lab Director

Case Narrative

WO#: **1407119**

Date: **8/28/2014**

Specialty Analytical

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

Report Revision 1

At that client request Specialty Analytical samples 1407119-052 and 1407119-058 were reprepped and rerun for metals by EPA 6020 and PCB's by EPA 8082. The re-analyzed data is reported in this report. All other data remains unchanged.

Case Narrative

Due to the presence of multi-component PCB compounds causing co-elution and matrix interferences with the EPA 8081 Pesticide compounds, multiple sample clean-up steps were required to achieve the detection limits reported. Use of silica gel per EPA 3630C, and additional clean-up using CarboPrep SPE cartridges was performed. During the multiple clean-up and concentration steps, TCMX was recovered at levels below the laboratory control limits. LCS and other QC parameters, where not impacted by matrix interferences, show the clean-ups performed well, and should allow usable data.

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:07:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-001
Client Sample ID: TP13-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	300		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Bolstar	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Chloropyrifos	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Coumaphos	ND	120		µg/Kg-dry	1	7/23/2014 5:20:00 PM
DEF	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Demeton-S	ND	59.9		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Diazinon	ND	59.9		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Dichlorovos	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Dimethoate	ND	59.9		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Disulfoton	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
EPN	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Ethion	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Ethoprop	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Fensulfothion	ND	120		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Fenthion	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Malathion	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Methyl parathion	ND	120		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Mevinphos	ND	120		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Naled	ND	300		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Parathion	ND	59.9		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Phorate	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Ronnel	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Stirofos	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Sulfotepp	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Tokuthion	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Trichloronate	ND	24.0		µg/Kg-dry	1	7/23/2014 5:20:00 PM
Surr: Tributylphosphate (Surr.)	90.0	50-150		%REC	1	7/23/2014 5:20:00 PM
Surr: Triphenylphosphate (Surr.)	56.0	50-150		%REC	1	7/23/2014 5:20:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
4,4´-DDE	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
4,4´-DDT	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Aldrin	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
alpha-BHC	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
alpha-Chlordane	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
beta-BHC	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Chlordane	ND	7.99		µg/Kg-dry	1	7/27/2014 7:12:00 PM
delta-BHC	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:07:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-001
Client Sample ID: TP13-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	2.41	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Endosulfan I	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Endosulfan II	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Endosulfan Sulfate	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Endrin	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Endrin aldehyde	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Endrin ketone	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
gamma-BHC	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
gamma-Chlordane	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Heptachlor	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Heptachlor epoxide	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Methoxychlor	ND	0.399		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Toxaphene	ND	7.99		µg/Kg-dry	1	7/27/2014 7:12:00 PM
Surr: Decachlorobiphenyl	88.1	25.9-136		%REC	1	7/27/2014 7:12:00 PM
Surr: Tetrachloro-m-xylene	24.3	15-124		%REC	1	7/27/2014 7:12:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1221	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1232	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1242	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1248	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1254	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1260	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1262	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Aroclor 1268	ND	0.399		µg/Kg-dry	1	7/25/2014 10:29:00 AM
Surr: Decachlorobiphenyl	57.7	56.5-130		%REC	1	7/25/2014 10:29:00 AM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
2,4,5-TP (Silvex)	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
2,4-D	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
2,4-DB	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
4-Nitrophenol	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
Dicamba	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
Dichlorprop	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
Dinoseb	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
MCPA	ND	799		µg/Kg-dry	1	7/23/2014 7:14:00 PM
MCPP	ND	799		µg/Kg-dry	1	7/23/2014 7:14:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 7:07:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-001		
Client Sample ID:	TP13-S-0.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	7.99		µg/Kg-dry	1	7/23/2014 7:14:00 PM
Surr: 2,4-DCAA	63.4	34.3-141		%REC	1	7/23/2014 7:14:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:15:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-002
Client Sample ID: TP13-S-1.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	25.8	19.0	A1	mg/Kg-dry	1	7/18/2014 3:09:28 PM
Lube Oil	91.7	63.2	A2	mg/Kg-dry	1	7/18/2014 3:09:28 PM
Surr: o-Terphenyl	93.7	50-150		%REC	1	7/18/2014 3:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	3950	973		µg/Kg-dry	10	7/24/2014 5:02:00 PM
Chromium	16000	973		µg/Kg-dry	10	7/24/2014 5:02:00 PM
Copper	41500	487		µg/Kg-dry	10	7/24/2014 5:02:00 PM
Lead	52500	243		µg/Kg-dry	10	7/24/2014 5:02:00 PM
Nickel	14600	487		µg/Kg-dry	10	7/24/2014 5:02:00 PM
Zinc	893000	195000		µg/Kg-dry	200	7/25/2014 2:43:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0899	0.0199		mg/Kg-dry	1	7/18/2014 11:16:04 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Aroclor 1221	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Aroclor 1232	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Aroclor 1242	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Aroclor 1248	11200	42.1		µg/Kg-dry	100	7/26/2014 12:02:00 PM
Aroclor 1254	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Aroclor 1260	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Aroclor 1262	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Aroclor 1268	ND	0.421		µg/Kg-dry	1	7/25/2014 10:46:00 AM
Surr: Decachlorobiphenyl	933	56.5-130	SMI	%REC	1	7/25/2014 10:46:00 AM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:20:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-003
Client Sample ID: TP13-S-5.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1221	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1232	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1242	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1248	124	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1254	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1260	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1262	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Aroclor 1268	ND	0.370		µg/Kg-dry	1	7/29/2014 2:54:00 PM
Surr: Decachlorobiphenyl	72.6	56.5-130		%REC	1	7/29/2014 2:54:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 7:24:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-004		
Client Sample ID:	TP13-S-7.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:43:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-005
Client Sample ID: TP14-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	309		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Bolstar	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Chloropyrifos	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Coumaphos	ND	124		µg/Kg-dry	1	7/23/2014 5:45:00 PM
DEF	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Demeton-S	ND	61.8		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Diazinon	ND	61.8		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Dichlorovos	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Dimethoate	ND	61.8		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Disulfoton	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
EPN	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Ethion	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Ethoprop	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Fensulfothion	ND	124		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Fenthion	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Malathion	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Methyl parathion	ND	124		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Mevinphos	ND	124		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Naled	ND	309		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Parathion	ND	61.8		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Phorate	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Ronnel	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Stirofos	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Sulfotepp	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Tokuthion	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Trichloronate	ND	24.7		µg/Kg-dry	1	7/23/2014 5:45:00 PM
Surr: Tributylphosphate (Surr.)	123	50-150		%REC	1	7/23/2014 5:45:00 PM
Surr: Triphenylphosphate (Surr.)	137	50-150		%REC	1	7/23/2014 5:45:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
4,4´-DDE	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
4,4´-DDT	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Aldrin	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
alpha-BHC	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
alpha-Chlordane	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
beta-BHC	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Chlordane	ND	8.24		µg/Kg-dry	1	7/27/2014 7:26:00 PM
delta-BHC	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:43:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-005
Client Sample ID: TP14-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Endosulfan I	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Endosulfan II	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Endosulfan Sulfate	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Endrin	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Endrin aldehyde	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Endrin ketone	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
gamma-BHC	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
gamma-Chlordane	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Heptachlor	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Heptachlor epoxide	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Methoxychlor	ND	0.412		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Toxaphene	ND	8.24		µg/Kg-dry	1	7/27/2014 7:26:00 PM
Surr: Decachlorobiphenyl	118	25.9-136		%REC	1	7/27/2014 7:26:00 PM
Surr: Tetrachloro-m-xylene	12.0	15-124	S	%REC	1	7/27/2014 7:26:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Aroclor 1221	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Aroclor 1232	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Aroclor 1242	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Aroclor 1248	13900	41.2		µg/Kg-dry	100	7/26/2014 12:19:00 PM
Aroclor 1254	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Aroclor 1260	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Aroclor 1262	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Aroclor 1268	ND	0.412		µg/Kg-dry	1	7/25/2014 11:03:00 AM
Surr: Decachlorobiphenyl	538	56.5-130	SMI	%REC	1	7/25/2014 11:03:00 AM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
2,4,5-TP (Silvex)	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
2,4-D	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
2,4-DB	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
4-Nitrophenol	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
Dicamba	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
Dichlorprop	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
Dinoseb	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
MCPA	ND	824		µg/Kg-dry	1	7/23/2014 7:35:00 PM
MCPP	ND	824		µg/Kg-dry	1	7/23/2014 7:35:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:43:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-005
Client Sample ID: TP14-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	8.24		µg/Kg-dry	1	7/23/2014 7:35:00 PM
Surr: 2,4-DCAA	36.6	34.3-141		%REC	1	7/23/2014 7:35:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 7:48:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-006
Client Sample ID: TP14-S-4.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1221	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1232	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1242	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1248	25.6	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1254	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1260	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1262	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Aroclor 1268	ND	0.370		µg/Kg-dry	1	7/29/2014 3:11:00 PM
Surr: Decachlorobiphenyl	74.9	56.5-130		%REC	1	7/29/2014 3:11:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 7:52:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-007		
Client Sample ID:	TP14-S-7.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:10:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-008
Client Sample ID: TP15-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1221	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1232	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1242	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1248	108	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1254	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1260	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1262	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Aroclor 1268	ND	0.397		µg/Kg-dry	1	7/26/2014 11:28:00 AM
Surr: Decachlorobiphenyl	78.6	56.5-130		%REC	1	7/26/2014 11:28:00 AM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:12:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-009
Client Sample ID: TP15-S-1.75
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	65.7	18.9	A1	mg/Kg-dry	1	7/18/2014 3:39:28 PM
Lube Oil	201	63.1	A2	mg/Kg-dry	1	7/18/2014 3:39:28 PM
Surr: o-Terphenyl	85.8	50-150		%REC	1	7/18/2014 3:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2670	1090		µg/Kg-dry	10	7/24/2014 5:47:00 PM
Chromium	15700	1090		µg/Kg-dry	10	7/24/2014 5:47:00 PM
Copper	28800	544		µg/Kg-dry	10	7/24/2014 5:47:00 PM
Lead	33300	272		µg/Kg-dry	10	7/24/2014 5:47:00 PM
Nickel	9860	544		µg/Kg-dry	10	7/24/2014 5:47:00 PM
Zinc	1320000	217000		µg/Kg-dry	200	7/25/2014 2:51:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0877	0.0188		mg/Kg-dry	1	7/18/2014 11:19:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	315		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Bolstar	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Chloropyrifos	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Coumaphos	ND	126		µg/Kg-dry	1	7/23/2014 6:10:00 PM
DEF	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Demeton-S	ND	63.1		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Diazinon	ND	63.1		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Dichlorovos	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Dimethoate	ND	63.1		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Disulfoton	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
EPN	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Ethion	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Ethoprop	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Fensulfothion	ND	126		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Fenthion	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Malathion	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Methyl parathion	ND	126		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Mevinphos	ND	126		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Naled	ND	315		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Parathion	ND	63.1		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Phorate	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Ronnel	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Stirofos	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:12:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-009
Client Sample ID: TP15-S-1.75
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Tokuthion	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Trichloronate	ND	25.2		µg/Kg-dry	1	7/23/2014 6:10:00 PM
Surr: Tributylphosphate (Surr.)	95.0	50-150		%REC	1	7/23/2014 6:10:00 PM
Surr: Triphenylphosphate (Surr.)	183	50-150	SMI	%REC	1	7/23/2014 6:10:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
4,4´-DDE	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
4,4´-DDT	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Aldrin	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
alpha-BHC	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
alpha-Chlordane	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
beta-BHC	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Chlordane	ND	8.41		µg/Kg-dry	1	7/27/2014 7:55:00 PM
delta-BHC	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Dieldrin	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Endosulfan I	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Endosulfan II	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Endosulfan Sulfate	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Endrin	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Endrin aldehyde	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Endrin ketone	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
gamma-BHC	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
gamma-Chlordane	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Heptachlor	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Heptachlor epoxide	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Methoxychlor	ND	0.420		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Toxaphene	ND	8.41		µg/Kg-dry	1	7/27/2014 7:55:00 PM
Surr: Decachlorobiphenyl	92.6	25.9-136		%REC	1	7/27/2014 7:55:00 PM
Surr: Tetrachloro-m-xylene	12.4	15-124	S	%REC	1	7/27/2014 7:55:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM
Aroclor 1221	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM
Aroclor 1232	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM
Aroclor 1242	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM
Aroclor 1248	39200	42.0		µg/Kg-dry	100	7/26/2014 12:36:00 PM
Aroclor 1254	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:12:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-009
Client Sample ID: TP15-S-1.75
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM
Aroclor 1262	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM
Aroclor 1268	ND	0.420		µg/Kg-dry	1	7/25/2014 11:37:00 AM
Surr: Decachlorobiphenyl	247	56.5-130	SMI	%REC	1	7/25/2014 11:37:00 AM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
2,4,5-TP (Silvex)	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
2,4-D	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
2,4-DB	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
4-Nitrophenol	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
Dicamba	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
Dichlorprop	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
Dinoseb	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
MCPA	ND	841		µg/Kg-dry	1	7/23/2014 7:56:00 PM
MCPP	ND	841		µg/Kg-dry	1	7/23/2014 7:56:00 PM
Pentachlorophenol	ND	8.41		µg/Kg-dry	1	7/23/2014 7:56:00 PM
Surr: 2,4-DCAA	52.7	34.3-141		%REC	1	7/23/2014 7:56:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:17:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-010
Client Sample ID: TP15-S-6.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1221	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1232	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1242	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1248	87.1	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1254	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1260	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1262	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Aroclor 1268	ND	0.373		µg/Kg-dry	1	7/29/2014 3:28:00 PM
Surr: Decachlorobiphenyl	80.5	56.5-130		%REC	1	7/29/2014 3:28:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 8:22:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-011		
Client Sample ID:	TP15-S-8.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:40:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-012
Client Sample ID: TP16-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	ND	19.3		mg/Kg-dry	1	7/18/2014 4:09:28 PM
Lube Oil	82.2	64.2	A2	mg/Kg-dry	1	7/18/2014 4:09:28 PM
Surr: o-Terphenyl	81.5	50-150		%REC	1	7/18/2014 4:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	3620	1040		µg/Kg-dry	10	7/24/2014 5:54:00 PM
Chromium	15600	1040		µg/Kg-dry	10	7/24/2014 5:54:00 PM
Copper	33200	518		µg/Kg-dry	10	7/24/2014 5:54:00 PM
Lead	8100	259		µg/Kg-dry	10	7/24/2014 5:54:00 PM
Nickel	18800	518		µg/Kg-dry	10	7/24/2014 5:54:00 PM
Zinc	5010000	518000		µg/Kg-dry	500	7/25/2014 2:58:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	ND	0.0214		mg/Kg-dry	1	7/18/2014 11:22:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	321		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Bolstar	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Chloropyrifos	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Coumaphos	ND	128		µg/Kg-dry	1	7/23/2014 6:34:00 PM
DEF	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Demeton-S	ND	64.2		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Diazinon	ND	64.2		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Dichlorovos	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Dimethoate	ND	64.2		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Disulfoton	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
EPN	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Ethion	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Ethoprop	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Fensulfothion	ND	128		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Fenthion	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Malathion	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Methyl parathion	ND	128		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Mevinphos	ND	128		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Naled	ND	321		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Parathion	ND	64.2		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Phorate	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Ronnel	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Stirofos	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:40:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-012
Client Sample ID: TP16-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Tokuthion	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Trichloronate	ND	25.7		µg/Kg-dry	1	7/23/2014 6:34:00 PM
Surr: Tributylphosphate (Surr.)	116	50-150		%REC	1	7/23/2014 6:34:00 PM
Surr: Triphenylphosphate (Surr.)	63.0	50-150		%REC	1	7/23/2014 6:34:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
4,4´-DDE	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
4,4´-DDT	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Aldrin	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
alpha-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
alpha-Chlordane	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
beta-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Chlordane	ND	8.56		µg/Kg-dry	1	7/27/2014 8:24:00 PM
delta-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Dieldrin	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Endosulfan I	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Endosulfan II	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Endosulfan Sulfate	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Endrin	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Endrin aldehyde	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Endrin ketone	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
gamma-BHC	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
gamma-Chlordane	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Heptachlor	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Heptachlor epoxide	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Methoxychlor	ND	0.428		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Toxaphene	ND	8.56		µg/Kg-dry	1	7/27/2014 8:24:00 PM
Surr: Decachlorobiphenyl	67.2	25.9-136		%REC	1	7/27/2014 8:24:00 PM
Surr: Tetrachloro-m-xylene	4.98	15-124	S	%REC	1	7/27/2014 8:24:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Aroclor 1221	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Aroclor 1232	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Aroclor 1242	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Aroclor 1248	19.1	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Aroclor 1254	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 8:40:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-012
Client Sample ID: TP16-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Aroclor 1262	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Aroclor 1268	ND	0.428		µg/Kg-dry	1	7/25/2014 12:10:00 PM
Surr: Decachlorobiphenyl	74.0	56.5-130		%REC	1	7/25/2014 12:10:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
2,4,5-TP (Silvex)	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
2,4-D	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
2,4-DB	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
4-Nitrophenol	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
Dicamba	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
Dichlorprop	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
Dinoseb	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
MCPA	ND	856		µg/Kg-dry	1	7/23/2014 8:17:00 PM
MCPP	ND	856		µg/Kg-dry	1	7/23/2014 8:17:00 PM
Pentachlorophenol	ND	8.56		µg/Kg-dry	1	7/23/2014 8:17:00 PM
Surr: 2,4-DCAA	61.0	34.3-141		%REC	1	7/23/2014 8:17:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 8:45:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-013		
Client Sample ID:	TP16-S-4.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 8:55:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-014		
Client Sample ID:	TP16-S-6.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:12:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-015
Client Sample ID: TP17-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Aroclor 1221	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Aroclor 1232	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Aroclor 1242	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Aroclor 1248	1710	7.70		µg/Kg-dry	20	7/26/2014 12:53:00 PM
Aroclor 1254	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Aroclor 1260	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Aroclor 1262	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Aroclor 1268	ND	0.385		µg/Kg-dry	1	7/25/2014 12:27:00 PM
Surr: Decachlorobiphenyl	119	56.5-130		%REC	1	7/25/2014 12:27:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:17:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-016
Client Sample ID: TP17-S-1.25
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	59.7	18.8	A1	mg/Kg-dry	1	7/18/2014 4:39:28 PM
Lube Oil	165	62.7	A2	mg/Kg-dry	1	7/18/2014 4:39:28 PM
Surr: o-Terphenyl	95.9	50-150		%REC	1	7/18/2014 4:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2480	884		µg/Kg-dry	10	7/24/2014 6:02:00 PM
Chromium	12800	884		µg/Kg-dry	10	7/24/2014 6:02:00 PM
Copper	29300	442		µg/Kg-dry	10	7/24/2014 6:02:00 PM
Lead	38100	221		µg/Kg-dry	10	7/24/2014 6:02:00 PM
Nickel	7710	442		µg/Kg-dry	10	7/24/2014 6:02:00 PM
Zinc	694000	88400		µg/Kg-dry	100	7/25/2014 3:28:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0670	0.0198		mg/Kg-dry	1	7/18/2014 11:25:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	314		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Bolstar	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Chloropyrifos	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Coumaphos	ND	125		µg/Kg-dry	1	7/23/2014 6:59:00 PM
DEF	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Demeton-S	ND	62.7		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Diazinon	ND	62.7		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Dichlorovos	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Dimethoate	ND	62.7		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Disulfoton	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
EPN	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Ethion	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Ethoprop	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Fensulfothion	ND	125		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Fenthion	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Malathion	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Methyl parathion	ND	125		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Mevinphos	ND	125		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Naled	ND	314		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Parathion	ND	62.7		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Phorate	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Ronnel	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Stirofos	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:17:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-016
Client Sample ID: TP17-S-1.25
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Tokuthion	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Trichloronate	ND	25.1		µg/Kg-dry	1	7/23/2014 6:59:00 PM
Surr: Tributylphosphate (Surr.)	108	50-150		%REC	1	7/23/2014 6:59:00 PM
Surr: Triphenylphosphate (Surr.)	198	50-150	SMI	%REC	1	7/23/2014 6:59:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
4,4´-DDE	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
4,4´-DDT	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Aldrin	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
alpha-BHC	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
alpha-Chlordane	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
beta-BHC	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Chlordane	ND	8.37		µg/Kg-dry	1	7/27/2014 8:38:00 PM
delta-BHC	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Dieldrin	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Endosulfan I	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Endosulfan II	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Endosulfan Sulfate	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Endrin	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Endrin aldehyde	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Endrin ketone	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
gamma-BHC	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
gamma-Chlordane	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Heptachlor	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Heptachlor epoxide	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Methoxychlor	ND	0.418		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Toxaphene	ND	8.37		µg/Kg-dry	1	7/27/2014 8:38:00 PM
Surr: Decachlorobiphenyl	107	25.9-136		%REC	1	7/27/2014 8:38:00 PM
Surr: Tetrachloro-m-xylene	5.49	15-124	S	%REC	1	7/27/2014 8:38:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM
Aroclor 1221	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM
Aroclor 1232	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM
Aroclor 1242	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM
Aroclor 1248	86600	83.6		µg/Kg-dry	200	7/26/2014 1:09:00 PM
Aroclor 1254	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:17:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-016
Client Sample ID: TP17-S-1.25
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM
Aroclor 1262	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM
Aroclor 1268	ND	0.418		µg/Kg-dry	1	7/25/2014 12:44:00 PM
Surr: Decachlorobiphenyl	191	56.5-130	SMI	%REC	1	7/25/2014 12:44:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
2,4,5-TP (Silvex)	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
2,4-D	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
2,4-DB	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
4-Nitrophenol	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
Dicamba	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
Dichlorprop	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
Dinoseb	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
MCPA	ND	837		µg/Kg-dry	1	7/23/2014 8:38:00 PM
MCPP	ND	837		µg/Kg-dry	1	7/23/2014 8:38:00 PM
Pentachlorophenol	ND	8.37		µg/Kg-dry	1	7/23/2014 8:38:00 PM
Surr: 2,4-DCAA	55.8	34.3-141		%REC	1	7/23/2014 8:38:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:22:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-017
Client Sample ID: TP17-S-4.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1221	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1232	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1242	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1248	134	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1254	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1260	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1262	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Aroclor 1268	ND	0.375		µg/Kg-dry	1	7/29/2014 3:45:00 PM
Surr: Decachlorobiphenyl	90.0	56.5-130		%REC	1	7/29/2014 3:45:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 9:27:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-018		
Client Sample ID:	TP17-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:45:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-019
Client Sample ID: TP18-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	ND	17.8		mg/Kg-dry	1	7/18/2014 5:09:28 PM
Lube Oil	79.4	59.2	A2	mg/Kg-dry	1	7/18/2014 5:09:28 PM
Surr: o-Terphenyl	93.8	50-150		%REC	1	7/18/2014 5:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2500	884		µg/Kg-dry	10	7/24/2014 6:09:00 PM
Chromium	11900	884		µg/Kg-dry	10	7/25/2014 3:35:00 PM
Copper	27500	442		µg/Kg-dry	10	7/24/2014 6:09:00 PM
Lead	6980	221		µg/Kg-dry	10	7/24/2014 6:09:00 PM
Nickel	7420	442		µg/Kg-dry	10	7/25/2014 3:35:00 PM
Zinc	1250000	177000		µg/Kg-dry	200	7/25/2014 3:43:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0286	0.0168		mg/Kg-dry	1	7/18/2014 11:28:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	296		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Bolstar	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Chloropyrifos	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Coumaphos	ND	118		µg/Kg-dry	1	7/24/2014 12:24:00 PM
DEF	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Demeton-S	ND	59.2		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Diazinon	ND	59.2		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Dichlorovos	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Dimethoate	ND	59.2		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Disulfoton	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
EPN	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Ethion	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Ethoprop	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Fensulfothion	ND	118		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Fenthion	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Malathion	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Methyl parathion	ND	118		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Mevinphos	ND	118		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Naled	ND	296		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Parathion	ND	59.2		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Phorate	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Ronnel	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Stirofos	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:45:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-019
Client Sample ID: TP18-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Tokuthion	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Trichloronate	ND	23.7		µg/Kg-dry	1	7/24/2014 12:24:00 PM
Surr: Tributylphosphate (Surr.)	116	50-150		%REC	1	7/24/2014 12:24:00 PM
Surr: Triphenylphosphate (Surr.)	61.0	50-150		%REC	1	7/24/2014 12:24:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
4,4´-DDE	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
4,4´-DDT	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Aldrin	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
alpha-BHC	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
alpha-Chlordane	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
beta-BHC	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Chlordane	ND	7.90		µg/Kg-dry	1	7/27/2014 9:07:00 PM
delta-BHC	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Dieldrin	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Endosulfan I	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Endosulfan II	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Endosulfan Sulfate	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Endrin	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Endrin aldehyde	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Endrin ketone	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
gamma-BHC	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
gamma-Chlordane	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Heptachlor	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Heptachlor epoxide	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Methoxychlor	ND	0.395		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Toxaphene	ND	7.90		µg/Kg-dry	1	7/27/2014 9:07:00 PM
Surr: Decachlorobiphenyl	109	25.9-136		%REC	1	7/27/2014 9:07:00 PM
Surr: Tetrachloro-m-xylene	13.2	15-124	S	%REC	1	7/27/2014 9:07:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM
Aroclor 1221	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM
Aroclor 1232	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM
Aroclor 1242	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM
Aroclor 1248	793	3.95		µg/Kg-dry	10	7/26/2014 1:26:00 PM
Aroclor 1254	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 9:45:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-019
Client Sample ID: TP18-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM
Aroclor 1262	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM
Aroclor 1268	ND	0.395		µg/Kg-dry	1	7/25/2014 1:01:00 PM
Surr: Decachlorobiphenyl	104	56.5-130		%REC	1	7/25/2014 1:01:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
2,4,5-TP (Silvex)	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
2,4-D	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
2,4-DB	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
4-Nitrophenol	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
Dicamba	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
Dichlorprop	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
Dinoseb	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
MCPA	ND	790		µg/Kg-dry	1	7/23/2014 9:00:00 PM
MCPP	ND	790		µg/Kg-dry	1	7/23/2014 9:00:00 PM
Pentachlorophenol	ND	7.90		µg/Kg-dry	1	7/23/2014 9:00:00 PM
Surr: 2,4-DCAA	50.6	34.3-141		%REC	1	7/23/2014 9:00:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 9:54:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-020		
Client Sample ID:	TP18-S-4.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 10:00:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-021		
Client Sample ID:	TP18-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 10:20:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-022
Client Sample ID: TP19-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	320		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Bolstar	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Chloropyrifos	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Coumaphos	ND	128		µg/Kg-dry	1	7/24/2014 12:48:00 PM
DEF	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Demeton-S	ND	63.9		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Diazinon	ND	63.9		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Dichlorovos	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Dimethoate	ND	63.9		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Disulfoton	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
EPN	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Ethion	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Ethoprop	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Fensulfothion	ND	128		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Fenthion	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Malathion	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Methyl parathion	ND	128		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Mevinphos	ND	128		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Naled	ND	320		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Parathion	ND	63.9		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Phorate	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Ronnel	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Stirofos	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Sulfotepp	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Tokuthion	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Trichloronate	ND	25.6		µg/Kg-dry	1	7/24/2014 12:48:00 PM
Surr: Tributylphosphate (Surr.)	108	50-150		%REC	1	7/24/2014 12:48:00 PM
Surr: Triphenylphosphate (Surr.)	65.0	50-150		%REC	1	7/24/2014 12:48:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
4,4´-DDE	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
4,4´-DDT	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Aldrin	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
alpha-BHC	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
alpha-Chlordane	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
beta-BHC	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Chlordane	ND	8.53		µg/Kg-dry	1	7/27/2014 9:22:00 PM
delta-BHC	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 10:20:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-022
Client Sample ID: TP19-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
Dieldrin	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Endosulfan I	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Endosulfan II	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Endosulfan Sulfate	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Endrin	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Endrin aldehyde	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Endrin ketone	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
gamma-BHC	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
gamma-Chlordane	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Heptachlor	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Heptachlor epoxide	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Methoxychlor	ND	0.426		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Toxaphene	ND	8.53		µg/Kg-dry	1	7/27/2014 9:22:00 PM
Surr: Decachlorobiphenyl	70.8	25.9-136		%REC	1	7/27/2014 9:22:00 PM
Surr: Tetrachloro-m-xylene	9.00	15-124	S	%REC	1	7/27/2014 9:22:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1221	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1232	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1242	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1248	187	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1254	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1260	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1262	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Aroclor 1268	ND	0.426		µg/Kg-dry	1	7/25/2014 1:18:00 PM
Surr: Decachlorobiphenyl	123	56.5-130		%REC	1	7/25/2014 1:18:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
2,4,5-TP (Silvex)	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
2,4-D	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
2,4-DB	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
4-Nitrophenol	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
Dicamba	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
Dichlorprop	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
Dinoseb	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
MCPA	ND	853		µg/Kg-dry	1	7/23/2014 9:21:00 PM
MCPP	ND	853		µg/Kg-dry	1	7/23/2014 9:21:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 10:20:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-022		
Client Sample ID:	TP19-S-0.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Pentachlorophenol	ND	8.53		µg/Kg-dry	1	7/23/2014 9:21:00 PM
Surr: 2,4-DCAA	54.4	34.3-141		%REC	1	7/23/2014 9:21:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 10:25:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-023		
Client Sample ID:	TP19-S-4.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 10:30:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-024		
Client Sample ID:	TP19-S-6.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 10:40:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-025
Client Sample ID: TP20-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	22.6	18.3	A1	mg/Kg-dry	1	7/18/2014 5:39:28 PM
Lube Oil	105	61.1	A2	mg/Kg-dry	1	7/18/2014 5:39:28 PM
Surr: o-Terphenyl	55.5	50-150		%REC	1	7/18/2014 5:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2070	970		µg/Kg-dry	10	7/24/2014 6:17:00 PM
Chromium	12700	970		µg/Kg-dry	10	7/24/2014 6:17:00 PM
Copper	24300	485		µg/Kg-dry	10	7/24/2014 6:17:00 PM
Lead	6140	243		µg/Kg-dry	10	7/24/2014 6:17:00 PM
Nickel	19400	485		µg/Kg-dry	10	7/24/2014 6:17:00 PM
Zinc	348000	48500		µg/Kg-dry	50	7/25/2014 3:50:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	ND	0.0186		mg/Kg-dry	1	7/18/2014 11:31:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	306		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Bolstar	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Chloropyrifos	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Coumaphos	ND	122		µg/Kg-dry	1	7/24/2014 1:13:00 PM
DEF	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Demeton-S	ND	61.1		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Diazinon	ND	61.1		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Dichlorovos	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Dimethoate	ND	61.1		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Disulfoton	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
EPN	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Ethion	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Ethoprop	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Fensulfothion	ND	122		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Fenthion	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Malathion	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Methyl parathion	ND	122		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Mevinphos	ND	122		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Naled	ND	306		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Parathion	ND	61.1		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Phorate	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Ronnel	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Stirofos	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 10:40:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-025
Client Sample ID: TP20-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Tokuthion	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Trichloronate	ND	24.5		µg/Kg-dry	1	7/24/2014 1:13:00 PM
Surr: Tributylphosphate (Surr.)	109	50-150		%REC	1	7/24/2014 1:13:00 PM
Surr: Triphenylphosphate (Surr.)	68.0	50-150		%REC	1	7/24/2014 1:13:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
4,4´-DDE	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
4,4´-DDT	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Aldrin	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
alpha-BHC	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
alpha-Chlordane	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
beta-BHC	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Chlordane	ND	8.15		µg/Kg-dry	1	7/27/2014 9:36:00 PM
delta-BHC	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Dieldrin	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Endosulfan I	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Endosulfan II	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Endosulfan Sulfate	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Endrin	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Endrin aldehyde	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Endrin ketone	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
gamma-BHC	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
gamma-Chlordane	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Heptachlor	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Heptachlor epoxide	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Methoxychlor	ND	0.408		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Toxaphene	ND	8.15		µg/Kg-dry	1	7/27/2014 9:36:00 PM
Surr: Decachlorobiphenyl	104	25.9-136		%REC	1	7/27/2014 9:36:00 PM
Surr: Tetrachloro-m-xylene	7.84	15-124	S	%REC	1	7/27/2014 9:36:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM
Aroclor 1221	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM
Aroclor 1232	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM
Aroclor 1242	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM
Aroclor 1248	803	4.07		µg/Kg-dry	10	7/26/2014 1:43:00 PM
Aroclor 1254	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 10:40:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-025
Client Sample ID: TP20-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM
Aroclor 1262	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM
Aroclor 1268	ND	0.407		µg/Kg-dry	1	7/25/2014 1:35:00 PM
Surr: Decachlorobiphenyl	112	56.5-130		%REC	1	7/25/2014 1:35:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
2,4,5-TP (Silvex)	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
2,4-D	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
2,4-DB	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
4-Nitrophenol	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
Dicamba	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
Dichlorprop	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
Dinoseb	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
MCPA	ND	815		µg/Kg-dry	1	7/23/2014 9:42:00 PM
MCPP	ND	815		µg/Kg-dry	1	7/23/2014 9:42:00 PM
Pentachlorophenol	ND	8.15		µg/Kg-dry	1	7/23/2014 9:42:00 PM
Surr: 2,4-DCAA	72.6	34.3-141		%REC	1	7/23/2014 9:42:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 10:45:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-026		
Client Sample ID:	TP20-S-4.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 10:50:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-027		
Client Sample ID:	TP20-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:05:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-028
Client Sample ID: TP21-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	37.5	17.3	A1	mg/Kg-dry	1	7/18/2014 6:09:28 PM
Lube Oil	162	57.6	A2	mg/Kg-dry	1	7/18/2014 6:09:28 PM
Surr: o-Terphenyl	78.4	50-150		%REC	1	7/18/2014 6:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	4900	914		µg/Kg-dry	10	7/24/2014 6:24:00 PM
Chromium	15300	914		µg/Kg-dry	10	7/24/2014 6:24:00 PM
Copper	28800	457		µg/Kg-dry	10	7/24/2014 6:24:00 PM
Lead	18500	228		µg/Kg-dry	10	7/24/2014 6:24:00 PM
Nickel	13800	457		µg/Kg-dry	10	7/24/2014 6:24:00 PM
Zinc	2700000	457000		µg/Kg-dry	500	7/25/2014 3:58:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0304	0.0181		mg/Kg-dry	1	7/18/2014 11:34:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	288		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Bolstar	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Chloropyrifos	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Coumaphos	ND	115		µg/Kg-dry	1	7/24/2014 1:37:00 PM
DEF	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Demeton-S	ND	57.6		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Diazinon	ND	57.6		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Dichlorovos	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Dimethoate	ND	57.6		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Disulfoton	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
EPN	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Ethion	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Ethoprop	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Fensulfothion	ND	115		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Fenthion	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Malathion	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Methyl parathion	ND	115		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Mevinphos	ND	115		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Naled	ND	288		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Parathion	ND	57.6		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Phorate	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Ronnel	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Stirofos	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:05:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-028
Client Sample ID: TP21-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Tokuthion	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Trichloronate	ND	23.0		µg/Kg-dry	1	7/24/2014 1:37:00 PM
Surr: Tributylphosphate (Surr.)	120	50-150		%REC	1	7/24/2014 1:37:00 PM
Surr: Triphenylphosphate (Surr.)	249	50-150	SMI	%REC	1	7/24/2014 1:37:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
4,4´-DDE	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
4,4´-DDT	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Aldrin	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
alpha-BHC	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
alpha-Chlordane	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
beta-BHC	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Chlordane	ND	7.68		µg/Kg-dry	1	7/27/2014 9:50:00 PM
delta-BHC	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Dieldrin	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Endosulfan I	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Endosulfan II	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Endosulfan Sulfate	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Endrin	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Endrin aldehyde	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Endrin ketone	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
gamma-BHC	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
gamma-Chlordane	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Heptachlor	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Heptachlor epoxide	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Methoxychlor	ND	0.384		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Toxaphene	ND	7.68		µg/Kg-dry	1	7/27/2014 9:50:00 PM
Surr: Decachlorobiphenyl	66.3	25.9-136		%REC	1	7/27/2014 9:50:00 PM
Surr: Tetrachloro-m-xylene	2.41	15-124	S	%REC	1	7/27/2014 9:50:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM
Aroclor 1221	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM
Aroclor 1232	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM
Aroclor 1242	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM
Aroclor 1248	13400	38.3		µg/Kg-dry	100	7/26/2014 2:00:00 PM
Aroclor 1254	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:05:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-028
Client Sample ID: TP21-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM
Aroclor 1262	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM
Aroclor 1268	ND	0.383		µg/Kg-dry	1	7/25/2014 1:51:00 PM
Surr: Decachlorobiphenyl	98.4	56.5-130		%REC	1	7/25/2014 1:51:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
2,4,5-TP (Silvex)	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
2,4-D	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
2,4-DB	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
4-Nitrophenol	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
Dicamba	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
Dichlorprop	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
Dinoseb	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
MCPA	ND	768		µg/Kg-dry	1	7/24/2014 1:24:00 PM
MCPP	ND	768		µg/Kg-dry	1	7/24/2014 1:24:00 PM
Pentachlorophenol	ND	7.68		µg/Kg-dry	1	7/24/2014 1:24:00 PM
Surr: 2,4-DCAA	45.5	34.3-141		%REC	1	7/24/2014 1:24:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:10:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-029
Client Sample ID: TP21-S-5.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1221	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1232	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1242	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1248	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1254	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1260	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1262	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Aroclor 1268	ND	0.375		µg/Kg-dry	1	7/29/2014 4:01:00 PM
Surr: Decachlorobiphenyl	76.8	56.5-130		%REC	1	7/29/2014 4:01:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 11:15:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-030		
Client Sample ID:	TP21-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:30:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-031
Client Sample ID: TP22-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	ND	19.5		mg/Kg-dry	1	7/18/2014 8:09:28 PM
Lube Oil	ND	65.1		mg/Kg-dry	1	7/18/2014 8:09:28 PM
Surr: o-Terphenyl	56.9	50-150		%REC	1	7/18/2014 8:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2500	957		µg/Kg-dry	10	7/24/2014 6:32:00 PM
Chromium	9460	957		µg/Kg-dry	10	7/24/2014 6:32:00 PM
Copper	41600	479		µg/Kg-dry	10	7/24/2014 6:32:00 PM
Lead	7130	239		µg/Kg-dry	10	7/24/2014 6:32:00 PM
Nickel	10600	479		µg/Kg-dry	10	7/24/2014 6:32:00 PM
Zinc	168000	47900		µg/Kg-dry	50	7/25/2014 4:05:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	ND	0.0201		mg/Kg-dry	1	7/18/2014 11:37:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	326		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Bolstar	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Chloropyrifos	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Coumaphos	ND	130		µg/Kg-dry	1	7/24/2014 2:02:00 PM
DEF	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Demeton-S	ND	65.1		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Diazinon	ND	65.1		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Dichlorovos	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Dimethoate	ND	65.1		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Disulfoton	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
EPN	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Ethion	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Ethoprop	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Fensulfothion	ND	130		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Fenthion	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Malathion	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Methyl parathion	ND	130		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Mevinphos	ND	130		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Naled	ND	326		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Parathion	ND	65.1		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Phorate	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Ronnel	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Stirofos	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:30:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-031
Client Sample ID: TP22-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Tokuthion	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Trichloronate	ND	26.0		µg/Kg-dry	1	7/24/2014 2:02:00 PM
Surr: Tributylphosphate (Surr.)	117	50-150		%REC	1	7/24/2014 2:02:00 PM
Surr: Triphenylphosphate (Surr.)	72.0	50-150		%REC	1	7/24/2014 2:02:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
4,4´-DDE	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
4,4´-DDT	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Aldrin	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
alpha-BHC	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
alpha-Chlordane	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
beta-BHC	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Chlordane	ND	8.68		µg/Kg-dry	1	7/27/2014 10:19:00 PM
delta-BHC	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Dieldrin	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Endosulfan I	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Endosulfan II	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Endosulfan Sulfate	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Endrin	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Endrin aldehyde	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Endrin ketone	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
gamma-BHC	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
gamma-Chlordane	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Heptachlor	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Heptachlor epoxide	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Methoxychlor	ND	0.434		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Toxaphene	ND	8.68		µg/Kg-dry	1	7/27/2014 10:19:00 PM
Surr: Decachlorobiphenyl	77.6	25.9-136		%REC	1	7/27/2014 10:19:00 PM
Surr: Tetrachloro-m-xylene	1.58	15-124	S	%REC	1	7/27/2014 10:19:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Aroclor 1221	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Aroclor 1232	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Aroclor 1242	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Aroclor 1248	635	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Aroclor 1254	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:30:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-031
Client Sample ID: TP22-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Aroclor 1262	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Aroclor 1268	ND	0.434		µg/Kg-dry	1	7/25/2014 2:08:00 PM
Surr: Decachlorobiphenyl	63.3	56.5-130		%REC	1	7/25/2014 2:08:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
2,4,5-TP (Silvex)	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
2,4-D	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
2,4-DB	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
4-Nitrophenol	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
Dicamba	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
Dichlorprop	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
Dinoseb	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
MCPA	ND	868		µg/Kg-dry	1	7/24/2014 2:06:00 PM
MCPP	ND	868		µg/Kg-dry	1	7/24/2014 2:06:00 PM
Pentachlorophenol	ND	8.68		µg/Kg-dry	1	7/24/2014 2:06:00 PM
Surr: 2,4-DCAA	78.6	34.3-141		%REC	1	7/24/2014 2:06:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 11:35:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-032		
Client Sample ID:	TP22-S-5.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 11:40:00 AM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-033		
Client Sample ID:	TP22-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:55:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-034
Client Sample ID: TP23-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	23.2	17.9	A1	mg/Kg-dry	1	7/18/2014 2:09:28 PM
Lube Oil	104	59.7	A2	mg/Kg-dry	1	7/18/2014 2:09:28 PM
Surr: o-Terphenyl	64.3	50-150		%REC	1	7/18/2014 2:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2240	807		µg/Kg-dry	10	7/24/2014 6:39:00 PM
Chromium	10600	807		µg/Kg-dry	10	7/24/2014 6:39:00 PM
Copper	22800	403		µg/Kg-dry	10	7/24/2014 6:39:00 PM
Lead	13700	202		µg/Kg-dry	10	7/24/2014 6:39:00 PM
Nickel	10100	403		µg/Kg-dry	10	7/24/2014 6:39:00 PM
Zinc	608000	80700		µg/Kg-dry	100	7/25/2014 4:13:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0497	0.0175		mg/Kg-dry	1	7/18/2014 11:41:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	298		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Bolstar	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Chloropyrifos	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Coumaphos	ND	119		µg/Kg-dry	1	7/24/2014 2:27:00 PM
DEF	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Demeton-S	ND	59.7		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Diazinon	ND	59.7		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Dichlorovos	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Dimethoate	ND	59.7		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Disulfoton	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
EPN	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Ethion	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Ethoprop	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Fensulfothion	ND	119		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Fenthion	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Malathion	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Methyl parathion	ND	119		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Mevinphos	ND	119		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Naled	ND	298		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Parathion	ND	59.7		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Phorate	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Ronnel	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Stirofos	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:55:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-034
Client Sample ID: TP23-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Tokuthion	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Trichloronate	ND	23.9		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Surr: Tributylphosphate (Surr.)	98.0	50-150		%REC	1	7/24/2014 2:27:00 PM
Surr: Triphenylphosphate (Surr.)	64.0	50-150		%REC	1	7/24/2014 2:27:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
4,4´-DDE	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
4,4´-DDT	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Aldrin	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
alpha-BHC	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
alpha-Chlordane	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
beta-BHC	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Chlordane	ND	7.96		µg/Kg-dry	1	7/27/2014 11:17:00 PM
delta-BHC	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Dieldrin	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Endosulfan I	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Endosulfan II	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Endosulfan Sulfate	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Endrin	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Endrin aldehyde	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Endrin ketone	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
gamma-BHC	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
gamma-Chlordane	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Heptachlor	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Heptachlor epoxide	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Methoxychlor	ND	0.398		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Toxaphene	ND	7.96		µg/Kg-dry	1	7/27/2014 11:17:00 PM
Surr: Decachlorobiphenyl	95.6	25.9-136		%REC	1	7/27/2014 11:17:00 PM
Surr: Tetrachloro-m-xylene	14.3	15-124	S	%REC	1	7/27/2014 11:17:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM
Aroclor 1221	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM
Aroclor 1232	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM
Aroclor 1242	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM
Aroclor 1248	17100	39.7		µg/Kg-dry	100	7/26/2014 2:17:00 PM
Aroclor 1254	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 11:55:00 AM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-034
Client Sample ID: TP23-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM
Aroclor 1262	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM
Aroclor 1268	ND	0.397		µg/Kg-dry	1	7/25/2014 2:25:00 PM
Surr: Decachlorobiphenyl	97.7	56.5-130		%REC	1	7/25/2014 2:25:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
2,4,5-TP (Silvex)	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
2,4-D	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
2,4-DB	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
4-Nitrophenol	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Dicamba	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Dichlorprop	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Dinoseb	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
MCPA	ND	796		µg/Kg-dry	1	7/24/2014 2:27:00 PM
MCPP	ND	796		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Pentachlorophenol	ND	7.96		µg/Kg-dry	1	7/24/2014 2:27:00 PM
Surr: 2,4-DCAA	23.6	34.3-141	SMI	%REC	1	7/24/2014 2:27:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 12:00:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-035
Client Sample ID: TP23-S-4.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1221	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1232	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1242	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1248	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1254	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1260	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1262	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Aroclor 1268	ND	0.363		µg/Kg-dry	1	7/29/2014 4:18:00 PM
Surr: Decachlorobiphenyl	96.2	56.5-130		%REC	1	7/29/2014 4:18:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 12:05:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-036		
Client Sample ID:	TP23-S-6.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:12:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-037
Client Sample ID: TP24-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	19.3	17.4		mg/Kg-dry	1	7/18/2014 9:09:28 PM
Lube Oil	104	57.9	A2	mg/Kg-dry	1	7/18/2014 9:09:28 PM
Surr: o-Terphenyl	95.5	50-150		%REC	1	7/18/2014 9:09:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2180	609		µg/Kg-dry	10	7/24/2014 6:46:00 PM
Chromium	10100	609		µg/Kg-dry	10	7/24/2014 6:46:00 PM
Copper	27400	305		µg/Kg-dry	10	7/24/2014 6:46:00 PM
Lead	32200	152		µg/Kg-dry	10	7/24/2014 6:46:00 PM
Nickel	8700	305		µg/Kg-dry	10	7/24/2014 6:46:00 PM
Zinc	177000	30500		µg/Kg-dry	50	7/25/2014 4:20:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.114	0.0161		mg/Kg-dry	1	7/18/2014 11:43:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	289		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Bolstar	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Chloropyrifos	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Coumaphos	ND	116		µg/Kg-dry	1	7/24/2014 2:51:00 PM
DEF	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Demeton-S	ND	57.9		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Diazinon	ND	57.9		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Dichlorovos	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Dimethoate	ND	57.9		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Disulfoton	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
EPN	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Ethion	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Ethoprop	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Fensulfothion	ND	116		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Fenthion	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Malathion	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Methyl parathion	ND	116		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Mevinphos	ND	116		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Naled	ND	289		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Parathion	ND	57.9		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Phorate	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Ronnel	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Stirofos	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:12:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-037
Client Sample ID: TP24-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Tokuthion	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Trichloronate	ND	23.2		µg/Kg-dry	1	7/24/2014 2:51:00 PM
Surr: Tributylphosphate (Surr.)	104	50-150		%REC	1	7/24/2014 2:51:00 PM
Surr: Triphenylphosphate (Surr.)	73.0	50-150		%REC	1	7/24/2014 2:51:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
4,4´-DDE	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
4,4´-DDT	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Aldrin	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
alpha-BHC	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
alpha-Chlordane	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
beta-BHC	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Chlordane	ND	7.72		µg/Kg-dry	1	7/27/2014 11:46:00 PM
delta-BHC	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Dieldrin	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Endosulfan I	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Endosulfan II	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Endosulfan Sulfate	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Endrin	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Endrin aldehyde	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Endrin ketone	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
gamma-BHC	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
gamma-Chlordane	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Heptachlor	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Heptachlor epoxide	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Methoxychlor	ND	0.386		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Toxaphene	ND	7.72		µg/Kg-dry	1	7/27/2014 11:46:00 PM
Surr: Decachlorobiphenyl	166	25.9-136	SMI	%REC	1	7/27/2014 11:46:00 PM
Surr: Tetrachloro-m-xylene	3.76	15-124	S	%REC	1	7/27/2014 11:46:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Aroclor 1221	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Aroclor 1232	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Aroclor 1242	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Aroclor 1248	514	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Aroclor 1254	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:12:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-037
Client Sample ID: TP24-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Aroclor 1262	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Aroclor 1268	ND	0.386		µg/Kg-dry	1	7/25/2014 2:42:00 PM
Surr: Decachlorobiphenyl	243	56.5-130	SMI	%REC	1	7/25/2014 2:42:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
2,4,5-TP (Silvex)	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
2,4-D	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
2,4-DB	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
4-Nitrophenol	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
Dicamba	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
Dichlorprop	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
Dinoseb	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
MCPA	ND	772		µg/Kg-dry	1	7/24/2014 2:48:00 PM
MCPP	ND	772		µg/Kg-dry	1	7/24/2014 2:48:00 PM
Pentachlorophenol	ND	7.72		µg/Kg-dry	1	7/24/2014 2:48:00 PM
Surr: 2,4-DCAA	50.5	34.3-141		%REC	1	7/24/2014 2:48:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 1:17:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-038		
Client Sample ID:	TP24-S-4.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 1:22:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-039		
Client Sample ID:	TP24-S-6.5	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:30:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-040
Client Sample ID: TP25-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	62.4	17.4	A1	mg/Kg-dry	1	7/18/2014 9:39:28 PM
Lube Oil	215	58.1	A2	mg/Kg-dry	1	7/18/2014 9:39:28 PM
Surr: o-Terphenyl	115	50-150		%REC	1	7/18/2014 9:39:28 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	3700	1000		µg/Kg-dry	10	7/24/2014 8:31:00 PM
Chromium	12600	1000		µg/Kg-dry	10	7/24/2014 8:31:00 PM
Copper	29200	501		µg/Kg-dry	10	7/24/2014 8:31:00 PM
Lead	23800	250		µg/Kg-dry	10	7/24/2014 8:31:00 PM
Nickel	10600	501		µg/Kg-dry	10	7/24/2014 8:31:00 PM
Zinc	314000	50100		µg/Kg-dry	50	7/25/2014 5:49:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0597	0.0167		mg/Kg-dry	1	7/18/2014 11:46:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	290		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Bolstar	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Chloropyrifos	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Coumaphos	ND	116		µg/Kg-dry	1	7/24/2014 3:16:00 PM
DEF	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Demeton-S	ND	58.1		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Diazinon	ND	58.1		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Dichlorovos	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Dimethoate	ND	58.1		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Disulfoton	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
EPN	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Ethion	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Ethoprop	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Fensulfothion	ND	116		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Fenthion	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Malathion	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Methyl parathion	ND	116		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Mevinphos	ND	116		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Naled	ND	290		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Parathion	ND	58.1		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Phorate	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Ronnel	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Stirofos	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:30:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-040
Client Sample ID: TP25-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Sulfotepp	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Tokuthion	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Trichloronate	ND	23.2		µg/Kg-dry	1	7/24/2014 3:16:00 PM
Surr: Tributylphosphate (Surr.)	113	50-150		%REC	1	7/24/2014 3:16:00 PM
Surr: Triphenylphosphate (Surr.)	124	50-150		%REC	1	7/24/2014 3:16:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.387		µg/Kg-dry	1	7/28/2014
4,4´-DDE	ND	0.387		µg/Kg-dry	1	7/28/2014
4,4´-DDT	ND	0.387		µg/Kg-dry	1	7/28/2014
Aldrin	ND	0.387		µg/Kg-dry	1	7/28/2014
alpha-BHC	ND	0.387		µg/Kg-dry	1	7/28/2014
alpha-Chlordane	ND	0.387		µg/Kg-dry	1	7/28/2014
beta-BHC	ND	0.387		µg/Kg-dry	1	7/28/2014
Chlordane	ND	7.74		µg/Kg-dry	1	7/28/2014
delta-BHC	ND	0.387		µg/Kg-dry	1	7/28/2014
Dieldrin	ND	0.387		µg/Kg-dry	1	7/28/2014
Endosulfan I	ND	0.387		µg/Kg-dry	1	7/28/2014
Endosulfan II	ND	0.387		µg/Kg-dry	1	7/28/2014
Endosulfan Sulfate	ND	0.387		µg/Kg-dry	1	7/28/2014
Endrin	ND	0.387		µg/Kg-dry	1	7/28/2014
Endrin aldehyde	ND	0.387		µg/Kg-dry	1	7/28/2014
Endrin ketone	ND	0.387		µg/Kg-dry	1	7/28/2014
gamma-BHC	ND	0.387		µg/Kg-dry	1	7/28/2014
gamma-Chlordane	ND	0.387		µg/Kg-dry	1	7/28/2014
Heptachlor	ND	0.387		µg/Kg-dry	1	7/28/2014
Heptachlor epoxide	ND	0.387		µg/Kg-dry	1	7/28/2014
Methoxychlor	ND	0.387		µg/Kg-dry	1	7/28/2014
Toxaphene	ND	7.74		µg/Kg-dry	1	7/28/2014
Surr: Decachlorobiphenyl	60.6	25.9-136		%REC	1	7/28/2014
Surr: Tetrachloro-m-xylene	3.50	15-124	S	%REC	1	7/28/2014
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM
Aroclor 1221	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM
Aroclor 1232	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM
Aroclor 1242	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM
Aroclor 1248	26900	38.7		µg/Kg-dry	100	7/26/2014 2:34:00 PM
Aroclor 1254	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:30:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-040
Client Sample ID: TP25-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1260	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM
Aroclor 1262	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM
Aroclor 1268	ND	0.387		µg/Kg-dry	1	7/25/2014 2:59:00 PM
Surr: Decachlorobiphenyl	77.8	56.5-130		%REC	1	7/25/2014 2:59:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
2,4,5-TP (Silvex)	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
2,4-D	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
2,4-DB	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
4-Nitrophenol	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
Dicamba	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
Dichlorprop	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
Dinoseb	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
MCPA	ND	774		µg/Kg-dry	1	7/24/2014 3:09:00 PM
MCPP	ND	774		µg/Kg-dry	1	7/24/2014 3:09:00 PM
Pentachlorophenol	ND	7.74		µg/Kg-dry	1	7/24/2014 3:09:00 PM
Surr: 2,4-DCAA	45.4	34.3-141		%REC	1	7/24/2014 3:09:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:35:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-041
Client Sample ID: TP25-S-4.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1221	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1232	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1242	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1248	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1254	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1260	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1262	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Aroclor 1268	ND	0.370		µg/Kg-dry	1	7/29/2014 4:35:00 PM
Surr: Decachlorobiphenyl	82.6	56.5-130		%REC	1	7/29/2014 4:35:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 1:40:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-042		
Client Sample ID:	TP25-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:53:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-043
Client Sample ID: TP26-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	44.9	17.7		mg/Kg-dry	1	7/18/2014 1:23:57 PM
Lube Oil	133	59.0		mg/Kg-dry	1	7/18/2014 1:23:57 PM
Surr: o-Terphenyl	91.8	50-150		%REC	1	7/18/2014 1:23:57 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	4190	1130		µg/Kg-dry	10	7/24/2014 9:01:00 PM
Chromium	26200	1130		µg/Kg-dry	10	7/24/2014 9:01:00 PM
Copper	35500	567		µg/Kg-dry	10	7/24/2014 9:01:00 PM
Iron	31200000	5670000		µg/Kg-dry	500	7/28/2014 3:45:00 PM
Lead	95300	284		µg/Kg-dry	10	7/24/2014 9:01:00 PM
Manganese	538000	2840		µg/Kg-dry	50	7/25/2014 7:18:00 PM
Nickel	11300	567		µg/Kg-dry	10	7/24/2014 9:01:00 PM
Zinc	2380000	567000		µg/Kg-dry	500	7/25/2014 7:11:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0723	0.0183		mg/Kg-dry	1	7/18/2014 11:49:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	295		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Bolstar	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Chloropyrifos	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Coumaphos	ND	118		µg/Kg-dry	1	7/24/2014 3:40:00 PM
DEF	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Demeton-S	ND	59.0		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Diazinon	ND	59.0		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Dichlorovos	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Dimethoate	ND	59.0		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Disulfoton	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
EPN	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Ethion	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Ethoprop	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Fensulfothion	ND	118		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Fenthion	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Malathion	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Methyl parathion	ND	118		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Mevinphos	ND	118		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Naled	ND	295		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Parathion	ND	59.0		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Phorate	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:53:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-043
Client Sample ID: TP26-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Ronnel	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Stirofos	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Sulfotepp	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Tokuthion	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Trichloronate	ND	23.6		µg/Kg-dry	1	7/24/2014 3:40:00 PM
Surr: Tributylphosphate (Surr.)	118	50-150		%REC	1	7/24/2014 3:40:00 PM
Surr: Triphenylphosphate (Surr.)	244	50-150	SMI	%REC	1	7/24/2014 3:40:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
4,4´-DDE	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
4,4´-DDT	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Aldrin	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
alpha-BHC	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
alpha-Chlordane	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
beta-BHC	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Chlordane	ND	7.87		µg/Kg-dry	1	7/28/2014 12:29:00 AM
delta-BHC	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Dieldrin	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Endosulfan I	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Endosulfan II	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Endosulfan Sulfate	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Endrin	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Endrin aldehyde	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Endrin ketone	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
gamma-BHC	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
gamma-Chlordane	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Heptachlor	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Heptachlor epoxide	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Methoxychlor	ND	0.393		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Toxaphene	ND	7.87		µg/Kg-dry	1	7/28/2014 12:29:00 AM
Surr: Decachlorobiphenyl	74.3	25.9-136		%REC	1	7/28/2014 12:29:00 AM
Surr: Tetrachloro-m-xylene	10.2	15-124	S	%REC	1	7/28/2014 12:29:00 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM
Aroclor 1221	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM
Aroclor 1232	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM
Aroclor 1242	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 1:53:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-043
Client Sample ID: TP26-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1248	33200	78.6		µg/Kg-dry	200	7/26/2014 2:50:00 PM
Aroclor 1254	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM
Aroclor 1260	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM
Aroclor 1262	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM
Aroclor 1268	ND	0.393		µg/Kg-dry	1	7/25/2014 3:15:00 PM
Surr: Decachlorobiphenyl	247	56.5-130	SMI	%REC	1	7/25/2014 3:15:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
2,4,5-TP (Silvex)	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
2,4-D	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
2,4-DB	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
4-Nitrophenol	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
Dicamba	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
Dichlorprop	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
Dinoseb	ND	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
MCPA	ND	787		µg/Kg-dry	1	7/24/2014 3:30:00 PM
MCPP	ND	787		µg/Kg-dry	1	7/24/2014 3:30:00 PM
Pentachlorophenol	172	7.87		µg/Kg-dry	1	7/24/2014 3:30:00 PM
Surr: 2,4-DCAA	75.4	34.3-141		%REC	1	7/24/2014 3:30:00 PM
AMMONIA AS N		**E350.1**				Analyst: **EFH**
Nitrogen, Ammonia (As N)	ND	4.72		mg/Kg-dry	1	7/21/2014 12:33:32 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:00:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-044
Client Sample ID: TP26-S-5.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1221	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1232	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1242	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1248	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1254	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1260	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1262	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Aroclor 1268	ND	0.360		µg/Kg-dry	1	7/29/2014 4:52:00 PM
Surr: Decachlorobiphenyl	73.0	56.5-130		%REC	1	7/29/2014 4:52:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 2:05:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-045		
Client Sample ID:	TP26-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:20:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-046
Client Sample ID: TP27-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	69.3	20.8		mg/Kg-dry	1	7/18/2014 2:23:57 PM
Lube Oil	162	69.2		mg/Kg-dry	1	7/18/2014 2:23:57 PM
Surr: o-Terphenyl	111	50-150		%REC	1	7/18/2014 2:23:57 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	14600	805		µg/Kg-dry	10	7/24/2014 9:08:00 PM
Chromium	17000	805		µg/Kg-dry	10	7/24/2014 9:08:00 PM
Copper	35500	403		µg/Kg-dry	10	7/24/2014 9:08:00 PM
Iron	27200000	1610000		µg/Kg-dry	200	7/28/2014 3:53:00 PM
Lead	96400	403		µg/Kg-dry	20	7/28/2014 4:38:00 PM
Manganese	333000	2010		µg/Kg-dry	50	7/25/2014 7:56:00 PM
Nickel	8970	403		µg/Kg-dry	10	7/24/2014 9:08:00 PM
Zinc	448000	161000		µg/Kg-dry	200	7/25/2014 7:48:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.110	0.0199		mg/Kg-dry	1	7/18/2014 11:52:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	346		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Bolstar	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Chloropyrifos	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Coumaphos	ND	138		µg/Kg-dry	1	7/24/2014 4:05:00 PM
DEF	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Demeton-S	ND	69.2		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Diazinon	ND	69.2		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Dichlorovos	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Dimethoate	ND	69.2		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Disulfoton	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
EPN	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Ethion	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Ethoprop	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Fensulfothion	ND	138		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Fenthion	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Malathion	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Methyl parathion	ND	138		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Mevinphos	ND	138		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Naled	ND	346		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Parathion	ND	69.2		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Phorate	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:20:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-046
Client Sample ID: TP27-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Ronnel	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Stirofos	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Sulfotepp	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Tokuthion	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Trichloronate	ND	27.7		µg/Kg-dry	1	7/24/2014 4:05:00 PM
Surr: Tributylphosphate (Surr.)	108	50-150		%REC	1	7/24/2014 4:05:00 PM
Surr: Triphenylphosphate (Surr.)	104	50-150		%REC	1	7/24/2014 4:05:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
4,4´-DDE	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
4,4´-DDT	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Aldrin	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
alpha-BHC	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
alpha-Chlordane	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
beta-BHC	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Chlordane	ND	9.23		µg/Kg-dry	1	7/28/2014 12:57:00 AM
delta-BHC	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Dieldrin	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Endosulfan I	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Endosulfan II	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Endosulfan Sulfate	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Endrin	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Endrin aldehyde	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Endrin ketone	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
gamma-BHC	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
gamma-Chlordane	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Heptachlor	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Heptachlor epoxide	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Methoxychlor	ND	0.462		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Toxaphene	ND	9.23		µg/Kg-dry	1	7/28/2014 12:57:00 AM
Surr: Decachlorobiphenyl	69.8	25.9-136		%REC	1	7/28/2014 12:57:00 AM
Surr: Tetrachloro-m-xylene	3.73	15-124	S	%REC	1	7/28/2014 12:57:00 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM
Aroclor 1221	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM
Aroclor 1232	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM
Aroclor 1242	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:20:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-046
Client Sample ID: TP27-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1248	63100	92.2		µg/Kg-dry	200	7/26/2014 3:07:00 PM
Aroclor 1254	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM
Aroclor 1260	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM
Aroclor 1262	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM
Aroclor 1268	ND	0.461		µg/Kg-dry	1	7/25/2014 3:32:00 PM
Surr: Decachlorobiphenyl	226	56.5-130	SMI	%REC	1	7/25/2014 3:32:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
2,4,5-TP (Silvex)	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
2,4-D	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
2,4-DB	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
4-Nitrophenol	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
Dicamba	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
Dichlorprop	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
Dinoseb	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
MCPA	ND	923		µg/Kg-dry	1	7/24/2014 3:51:00 PM
MCPP	ND	923		µg/Kg-dry	1	7/24/2014 3:51:00 PM
Pentachlorophenol	ND	9.23		µg/Kg-dry	1	7/24/2014 3:51:00 PM
Surr: 2,4-DCAA	87.8	34.3-141		%REC	1	7/24/2014 3:51:00 PM
AMMONIA AS N		**E350.1**				Analyst: **EFH**
Nitrogen, Ammonia (As N)	ND	5.54		mg/Kg-dry	1	7/21/2014 12:39:32 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:26:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-047
Client Sample ID: TP27-S-5.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Aroclor 1221	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Aroclor 1232	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Aroclor 1242	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Aroclor 1248	1560	8.24		µg/Kg-dry	20	7/30/2014 12:06:13 PM
Aroclor 1254	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Aroclor 1260	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Aroclor 1262	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Aroclor 1268	ND	0.412		µg/Kg-dry	1	7/29/2014 5:09:00 PM
Surr: Decachlorobiphenyl	69.1	56.5-130		%REC	1	7/29/2014 5:09:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:33:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-048
Client Sample ID: TP27-S-8.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Aroclor 1221	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Aroclor 1232	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Aroclor 1242	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Aroclor 1248	392	3.77	HT	µg/Kg-dry	10	8/6/2014 2:36:00 PM
Aroclor 1254	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Aroclor 1260	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Aroclor 1262	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Aroclor 1268	ND	0.377	HT	µg/Kg-dry	1	8/6/2014 1:10:00 PM
Surr: Decachlorobiphenyl	68.1	56.5-130	HT	%REC	1	8/6/2014 1:10:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:45:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-049
Client Sample ID: TP28-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Iron	47400000	1150000		µg/Kg-dry	100	7/29/2014 12:51:00 PM
Manganese	817000	5750		µg/Kg-dry	100	7/29/2014 12:51:00 PM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	293		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Bolstar	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Chloropyrifos	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Coumaphos	ND	117		µg/Kg-dry	1	7/24/2014 4:29:00 PM
DEF	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Demeton-S	ND	58.7		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Diazinon	ND	58.7		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Dichlorovos	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Dimethoate	ND	58.7		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Disulfoton	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
EPN	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Ethion	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Ethoprop	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Fensulfothion	ND	117		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Fenthion	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Malathion	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Methyl parathion	ND	117		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Mevinphos	ND	117		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Naled	ND	293		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Parathion	ND	58.7		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Phorate	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Ronnel	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Stirofos	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Sulfotepp	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Tokuthion	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Trichloronate	ND	23.5		µg/Kg-dry	1	7/24/2014 4:29:00 PM
Surr: Tributylphosphate (Surr.)	131	50-150		%REC	1	7/24/2014 4:29:00 PM
Surr: Triphenylphosphate (Surr.)	103	50-150		%REC	1	7/24/2014 4:29:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
4,4´-DDE	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
4,4´-DDT	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Aldrin	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
alpha-BHC	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:45:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-049
Client Sample ID: TP28-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
alpha-Chlordane	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
beta-BHC	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Chlordane	ND	7.82		µg/Kg-dry	1	7/28/2014 1:26:00 AM
delta-BHC	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Dieldrin	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Endosulfan I	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Endosulfan II	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Endosulfan Sulfate	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Endrin	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Endrin aldehyde	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Endrin ketone	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
gamma-BHC	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
gamma-Chlordane	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Heptachlor	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Heptachlor epoxide	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Methoxychlor	ND	0.391		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Toxaphene	ND	7.82		µg/Kg-dry	1	7/28/2014 1:26:00 AM
Surr: Decachlorobiphenyl	56.7	25.9-136		%REC	1	7/28/2014 1:26:00 AM
Surr: Tetrachloro-m-xylene	6.68	15-124	S	%REC	1	7/28/2014 1:26:00 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1221	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1232	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1242	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1248	532	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1254	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1260	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1262	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Aroclor 1268	ND	0.391		µg/Kg-dry	1	7/25/2014 5:00:00 PM
Surr: Decachlorobiphenyl	139	56.5-130	SMI	%REC	1	7/25/2014 5:00:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
2,4,5-TP (Silvex)	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
2,4-D	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
2,4-DB	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
4-Nitrophenol	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
Dicamba	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 2:45:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-049
Client Sample ID: TP28-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Dichlorprop	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
Dinoseb	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
MCPA	ND	782		µg/Kg-dry	1	7/24/2014 4:12:00 PM
MCPP	ND	782		µg/Kg-dry	1	7/24/2014 4:12:00 PM
Pentachlorophenol	ND	7.82		µg/Kg-dry	1	7/24/2014 4:12:00 PM
Surr: 2,4-DCAA	53.0	34.3-141		%REC	1	7/24/2014 4:12:00 PM
AMMONIA AS N		**E350.1**				Analyst: **EFH**
Nitrogen, Ammonia (As N)	ND	4.69		mg/Kg-dry	1	7/21/2014 12:41:32 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 2:52:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-050		
Client Sample ID:	TP28-S-5.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 2:56:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-051		
Client Sample ID:	TP28-S-8.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:10:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-052
Client Sample ID: TP29-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	19.7	17.2		mg/Kg-dry	1	7/18/2014 2:53:57 PM
Lube Oil	104	57.4		mg/Kg-dry	1	7/18/2014 2:53:57 PM
Surr: o-Terphenyl	71.1	50-150		%REC	1	7/18/2014 2:53:57 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	3080	1060		µg/Kg-dry	10	8/26/2014 5:48:00 PM
Chromium	11900	1060		µg/Kg-dry	10	8/27/2014 4:15:00 PM
Copper	25700	531		µg/Kg-dry	10	8/26/2014 5:48:00 PM
Iron	36900000	1060000		µg/Kg-dry	100	8/27/2014 4:00:00 PM
Lead	15500	266		µg/Kg-dry	10	8/26/2014 5:48:00 PM
Manganese	429000	5310		µg/Kg-dry	100	8/27/2014 4:00:00 PM
Nickel	10500	531		µg/Kg-dry	10	8/27/2014 4:15:00 PM
Zinc	382000	106000		µg/Kg-dry	100	8/27/2014 4:00:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0444	0.0181		mg/Kg-dry	1	7/18/2014 11:55:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	287		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Bolstar	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Chloropyrifos	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Coumaphos	ND	115		µg/Kg-dry	1	7/24/2014 4:54:00 PM
DEF	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Demeton-S	ND	57.4		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Diazinon	ND	57.4		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Dichlorovos	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Dimethoate	ND	57.4		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Disulfoton	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
EPN	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Ethion	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Ethoprop	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Fensulfothion	ND	115		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Fenthion	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Malathion	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Methyl parathion	ND	115		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Mevinphos	ND	115		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Naled	ND	287		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Parathion	ND	57.4		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Phorate	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:10:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-052
Client Sample ID: TP29-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Ronnel	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Stirofos	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Sulfotepp	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Tokuthion	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Trichloronate	ND	23.0		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Surr: Tributylphosphate (Surr.)	118	50-150		%REC	1	7/24/2014 4:54:00 PM
Surr: Triphenylphosphate (Surr.)	115	50-150		%REC	1	7/24/2014 4:54:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
4,4´-DDE	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
4,4´-DDT	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Aldrin	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
alpha-BHC	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
alpha-Chlordane	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
beta-BHC	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Chlordane	ND	7.65		µg/Kg-dry	1	7/28/2014 1:40:00 AM
delta-BHC	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Dieldrin	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Endosulfan I	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Endosulfan II	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Endosulfan Sulfate	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Endrin	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Endrin aldehyde	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Endrin ketone	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
gamma-BHC	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
gamma-Chlordane	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Heptachlor	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Heptachlor epoxide	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Methoxychlor	ND	0.383		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Toxaphene	ND	7.65		µg/Kg-dry	1	7/28/2014 1:40:00 AM
Surr: Decachlorobiphenyl	87.6	25.9-136		%REC	1	7/28/2014 1:40:00 AM
Surr: Tetrachloro-m-xylene	5.19	15-124	S	%REC	1	7/28/2014 1:40:00 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM
Aroclor 1221	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM
Aroclor 1232	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM
Aroclor 1242	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:10:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-052
Client Sample ID: TP29-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1248	3980	19.1		µg/Kg-dry	50	7/26/2014 3:24:00 PM
Aroclor 1254	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM
Aroclor 1260	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM
Aroclor 1262	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM
Aroclor 1268	ND	0.382		µg/Kg-dry	1	7/25/2014 5:17:00 PM
Surr: Decachlorobiphenyl	149	56.5-130	S	%REC	1	7/25/2014 5:17:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
2,4,5-TP (Silvex)	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
2,4-D	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
2,4-DB	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
4-Nitrophenol	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
Dicamba	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
Dichlorprop	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
Dinoseb	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
MCPA	ND	765		µg/Kg-dry	1	7/24/2014 4:33:00 PM
MCPP	ND	765		µg/Kg-dry	1	7/24/2014 4:33:00 PM
Pentachlorophenol	ND	7.65		µg/Kg-dry	1	7/24/2014 4:33:00 PM
Surr: 2,4-DCAA	35.1	34.3-141		%REC	1	7/24/2014 4:33:00 PM
AMMONIA AS N		**E350.1**				Analyst: **EFH**
Nitrogen, Ammonia (As N)	ND	4.59		mg/Kg-dry	1	7/21/2014 12:43:32 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:16:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-053
Client Sample ID: TP29-S-3.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Aroclor 1221	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Aroclor 1232	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Aroclor 1242	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Aroclor 1248	4210	22.4		µg/Kg-dry	50	7/30/2014 12:23:13 PM
Aroclor 1254	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Aroclor 1260	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Aroclor 1262	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Aroclor 1268	ND	0.448		µg/Kg-dry	1	7/29/2014 5:26:00 PM
Surr: Decachlorobiphenyl	72.2	56.5-130		%REC	1	7/29/2014 5:26:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:22:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-054
Client Sample ID: TP29-S-7.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Aroclor 1221	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Aroclor 1232	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Aroclor 1242	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Aroclor 1248	186	3.58	HT	µg/Kg-dry	10	8/6/2014 2:53:00 PM
Aroclor 1254	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Aroclor 1260	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Aroclor 1262	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Aroclor 1268	ND	0.358	HT	µg/Kg-dry	1	8/6/2014 1:27:00 PM
Surr: Decachlorobiphenyl	89.8	56.5-130	HT	%REC	1	8/6/2014 1:27:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:36:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-055
Client Sample ID: TP30-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Iron	41700000	675000		µg/Kg-dry	100	7/29/2014 1:06:00 PM
Manganese	517000	3370		µg/Kg-dry	100	7/28/2014 5:00:00 PM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	287		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Bolstar	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Chloropyrifos	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Coumaphos	ND	115		µg/Kg-dry	1	7/24/2014 5:19:00 PM
DEF	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Demeton-S	ND	57.3		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Diazinon	ND	57.3		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Dichlorovos	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Dimethoate	ND	57.3		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Disulfoton	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
EPN	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Ethion	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Ethoprop	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Fensulfothion	ND	115		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Fenthion	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Malathion	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Methyl parathion	ND	115		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Mevinphos	ND	115		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Naled	ND	287		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Parathion	ND	57.3		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Phorate	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Ronnel	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Stirofos	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Sulfotepp	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Tokuthion	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Trichloronate	ND	22.9		µg/Kg-dry	1	7/24/2014 5:19:00 PM
Surr: Tributylphosphate (Surr.)	109	50-150		%REC	1	7/24/2014 5:19:00 PM
Surr: Triphenylphosphate (Surr.)	104	50-150		%REC	1	7/24/2014 5:19:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
4,4´-DDE	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
4,4´-DDT	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Aldrin	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
alpha-BHC	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:36:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-055
Client Sample ID: TP30-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
alpha-Chlordane	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
beta-BHC	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Chlordane	ND	7.64		µg/Kg-dry	1	7/28/2014 1:55:00 AM
delta-BHC	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Dieldrin	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Endosulfan I	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Endosulfan II	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Endosulfan Sulfate	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Endrin	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Endrin aldehyde	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Endrin ketone	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
gamma-BHC	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
gamma-Chlordane	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Heptachlor	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Heptachlor epoxide	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Methoxychlor	ND	0.382		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Toxaphene	ND	7.64		µg/Kg-dry	1	7/28/2014 1:55:00 AM
Surr: Decachlorobiphenyl	179	25.9-136	SMI	%REC	1	7/28/2014 1:55:00 AM
Surr: Tetrachloro-m-xylene	14.5	15-124	S	%REC	1	7/28/2014 1:55:00 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Aroclor 1221	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Aroclor 1232	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Aroclor 1242	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Aroclor 1248	17300	38.2		µg/Kg-dry	100	7/26/2014 3:41:00 PM
Aroclor 1254	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Aroclor 1260	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Aroclor 1262	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Aroclor 1268	ND	0.382		µg/Kg-dry	1	7/25/2014 8:56:00 PM
Surr: Decachlorobiphenyl	376	56.5-130	SMI	%REC	1	7/25/2014 8:56:00 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
2,4,5-TP (Silvex)	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
2,4-D	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
2,4-DB	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
4-Nitrophenol	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Dicamba	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:36:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-055
Client Sample ID: TP30-S-0.5
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
Dichlorprop	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Dinoseb	ND	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
MCPA	ND	764		µg/Kg-dry	1	7/24/2014 4:54:00 PM
MCPP	ND	764		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Pentachlorophenol	9.02	7.64		µg/Kg-dry	1	7/24/2014 4:54:00 PM
Surr: 2,4-DCAA	39.3	34.3-141		%REC	1	7/24/2014 4:54:00 PM
AMMONIA AS N		**E350.1**				Analyst: **EFH**
Nitrogen, Ammonia (As N)	ND	4.59		mg/Kg-dry	1	7/21/2014 12:45:32 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:41:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-056
Client Sample ID: TP30-S-4.0
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1221	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1232	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1242	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1248	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1254	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1260	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1262	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Aroclor 1268	ND	0.362		µg/Kg-dry	1	7/29/2014 5:42:00 PM
Surr: Decachlorobiphenyl	74.7	56.5-130		%REC	1	7/29/2014 5:42:00 PM

Specialty Analytical

Date Reported: **28-Aug-14**

CLIENT:	Maul Foster & Alongi	**Collection Date:**	7/16/2014 3:44:00 PM
Project:	Fleischer / 9059.07.04		
Lab ID:	1407119-057		
Client Sample ID:	TP30-S-7.0	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	8/5/2014

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:10:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-058
Client Sample ID: TP-S-0.5DUP
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX		**NWTPH-DX**				Analyst: **BS**
Diesel	23.1	17.4		mg/Kg-dry	1	7/18/2014 3:53:57 PM
Lube Oil	105	58.0		mg/Kg-dry	1	7/18/2014 3:53:57 PM
Surr: o-Terphenyl	63.5	50-150		%REC	1	7/18/2014 3:53:57 PM
ICP/MS METALS-TOTAL RECOVERABLE		**SW6020A**				Analyst: **VAS**
Arsenic	2880	1110		µg/Kg-dry	10	8/26/2014 5:55:00 PM
Chromium	15500	1110		µg/Kg-dry	10	8/27/2014 4:23:00 PM
Copper	24500	557		µg/Kg-dry	10	8/26/2014 5:55:00 PM
Iron	43300000	1110000		µg/Kg-dry	100	8/27/2014 4:08:00 PM
Lead	12600	279		µg/Kg-dry	10	8/26/2014 5:55:00 PM
Manganese	437000	5570		µg/Kg-dry	100	8/27/2014 4:08:00 PM
Nickel	15300	557		µg/Kg-dry	10	8/27/2014 4:23:00 PM
Zinc	390000	111000		µg/Kg-dry	100	8/27/2014 4:08:00 PM
TOTAL MERCURY		**SW 7471B**				Analyst: **BW**
Mercury	0.0405	0.0194		mg/Kg-dry	1	7/18/2014 11:58:04 AM
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Azinphos-methyl	ND	290		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Bolstar	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Chloropyrifos	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Coumaphos	ND	116		µg/Kg-dry	1	7/24/2014 5:43:00 PM
DEF	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Demeton-S	ND	58.0		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Diazinon	ND	58.0		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Dichlorovos	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Dimethoate	ND	58.0		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Disulfoton	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
EPN	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Ethion	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Ethoprop	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Fensulfothion	ND	116		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Fenthion	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Malathion	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Methyl parathion	ND	116		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Mevinphos	ND	116		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Naled	ND	290		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Parathion	ND	58.0		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Phorate	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:10:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-058
Client Sample ID: TP-S-0.5DUP
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
ORGANOPHOSPHORUS PESTICIDES		**SW8270D**				Analyst: **bda**
Ronnel	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Stirofos	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Sulfotepp	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Tokuthion	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Trichloronate	ND	23.2		µg/Kg-dry	1	7/24/2014 5:43:00 PM
Surr: Tributylphosphate (Surr.)	128	50-150		%REC	1	7/24/2014 5:43:00 PM
Surr: Triphenylphosphate (Surr.)	135	50-150		%REC	1	7/24/2014 5:43:00 PM
ORGANOCHLORINE PESTICIDES		**SW8081B**				Analyst: **ajr**
4,4´-DDD	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
4,4´-DDE	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
4,4´-DDT	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Aldrin	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
alpha-BHC	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
alpha-Chlordane	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
beta-BHC	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Chlordane	ND	7.73		µg/Kg-dry	1	7/28/2014 2:23:00 AM
delta-BHC	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Dieldrin	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Endosulfan I	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Endosulfan II	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Endosulfan Sulfate	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Endrin	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Endrin aldehyde	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Endrin ketone	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
gamma-BHC	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
gamma-Chlordane	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Heptachlor	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Heptachlor epoxide	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Methoxychlor	ND	0.386		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Toxaphene	ND	7.73		µg/Kg-dry	1	7/28/2014 2:23:00 AM
Surr: Decachlorobiphenyl	85.2	25.9-136		%REC	1	7/28/2014 2:23:00 AM
Surr: Tetrachloro-m-xylene	15.2	15-124		%REC	1	7/28/2014 2:23:00 AM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1016	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM
Aroclor 1221	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM
Aroclor 1232	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM
Aroclor 1242	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM

Specialty Analytical

Date Reported: 28-Aug-14

CLIENT: Maul Foster & Alongi
Collection Date: 7/16/2014 3:10:00 PM
Project: Fleischer / 9059.07.04
Lab ID: 1407119-058
Client Sample ID: TP-S-0.5DUP
Matrix: SOIL

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1254	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM
Aroclor 1260	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM
Aroclor 1262	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM
Aroclor 1268	ND	0.386		µg/Kg-dry	1	7/25/2014 9:13:00 PM
Surr: Decachlorobiphenyl	208	56.5-130	SMI	%REC	1	7/25/2014 9:13:00 PM
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **ajr**
Aroclor 1248	3640	19.3	HT	µg/Kg-dry	20	8/27/2014 2:43:24 PM
CHLORINATED HERBICIDES		**SW8151A**				Analyst: **ajr**
2,4,5-T	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
2,4,5-TP (Silvex)	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
2,4-D	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
2,4-DB	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
4-Nitrophenol	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
Dicamba	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
Dichlorprop	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
Dinoseb	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
MCPA	ND	773		µg/Kg-dry	1	7/24/2014 5:15:00 PM
MCPP	ND	773		µg/Kg-dry	1	7/24/2014 5:15:00 PM
Pentachlorophenol	ND	7.73		µg/Kg-dry	1	7/24/2014 5:15:00 PM
Surr: 2,4-DCAA	64.4	34.3-141		%REC	1	7/24/2014 5:15:00 PM
AMMONIA AS N		**E350.1**				Analyst: **EFH**
Nitrogen, Ammonia (As N)	ND	4.64		mg/Kg-dry	1	7/21/2014 12:47:32 PM

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **ICV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211203**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5050	100	5000	0	101	90	110				
Chromium	4990	100	5000	0	99.8	90	110				
Copper	5010	50.0	5000	0	100	90	110				
Lead	4710	25.0	5000	0	94.2	90	110				
Nickel	4990	50.0	5000	0	99.7	90	110				
Zinc	5200	1000	5000	0	104	90	110				

Sample ID: **LCS-7873** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **LCSS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	27600	1000	25000	0	110	80	120				
Copper	57500	500	50000	0	115	80	120				
Nickel	27900	500	25000	0	112	80	120				
Zinc	55700	10000	50000	0	111	69	129				

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	96600	991	99060	2573	94.9	70	130				
Chromium	35300	991	24770	14840	82.6	70	130				
Copper	85200	495	49530	35660	100	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	34500	495	24770	17330	69.1	70	130				S

Sample ID: **1407110-004AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	97700	991	99060	2573	96.0	70	130	96570	1.18	20	
Chromium	32800	991	24770	14840	72.5	70	130	35300	7.36	20	
Copper	76800	495	49530	35660	83.1	70	130	85220	10.3	20	
Nickel	35400	495	24770	17330	73.0	70	130	34450	2.72	20	

Sample ID: **1407110-004ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211235**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2130	923						2573	19.0	20	
Chromium	12900	923						14840	13.6	20	
Copper	31500	462						35660	12.3	20	
Lead	41100	231						38800	5.76	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**

Client ID: **ICV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211270**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5050	100	5000	0	101	90	110				
Chromium	4990	100	5000	0	99.8	90	110				
Copper	5010	50.0	5000	0	100	90	110				
Iron	511000	10000	500000	0	102	90	110				
Lead	4710	25.0	5000	0	94.2	90	110				
Manganese	5030	50.0	5000	0	101	90	110				
Nickel	4990	50.0	5000	0	99.7	90	110				
Zinc	5200	1000	5000	0	104	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**

Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211271**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5070	100	5000	0	101	90	110				
Chromium	5100	100	5000	0	102	90	110				
Copper	5210	50.0	5000	0	104	90	110				
Iron	479000	10000	500000	0	95.8	90	110				
Lead	4770	25.0	5000	0	95.3	90	110				
Manganese	4650	50.0	5000	0	93.0	90	110				
Nickel	5130	50.0	5000	0	103	90	110				
Zinc	5240	1000	5000	0	105	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407119-040ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211276**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2780	1080						3700	28.5	20	R
Chromium	13200	1080						12560	5.21	20	
Copper	36700	538						29220	22.8	20	R
Lead	19600	269						23810	19.6	20	
Nickel	10900	538						10550	3.57	20	

Sample ID: **1407119-040AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211277**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	95700	984	98440	3700	93.4	70	130				
Chromium	38800	984	24610	12560	107	70	130				
Nickel	38700	492	24610	10550	115	70	130				

Sample ID: **1407119-040AMS** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/24/2014** SeqNo: **211278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	80600	984	98440	3700	78.1	70	130	95660	17.1	20	
Chromium	28000	984	24610	12560	62.8	70	130	38840	32.4	20	SR
Nickel	27000	492	24610	10550	66.8	70	130	38730	35.7	20	SR

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **CCV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	5060	100	5000	0	101	90	110				
Nickel	5080	50.0	5000	0	102	90	110				
Zinc	5150	1000	5000	0	103	90	110				

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **ICV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4990	100	5000	0	99.8	90	110				
Chromium	5080	100	5000	0	102	90	110				
Copper	4990	50.0	5000	0	99.9	90	110				
Lead	5070	25.0	5000	0	101	90	110				
Nickel	5110	50.0	5000	0	102	90	110				
Zinc	5100	1000	5000	0	102	90	110				

Sample ID: **MBLK-7827** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **PBS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	100									
Chromium	ND	100									
Copper	ND	50.0									
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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **MBLK-7827** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **PBS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	ND	50.0									
Zinc	ND	1000									

Sample ID: **LCS-7827** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **LCSS** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104000	2000	100000	0	104	73.4	120				
Lead	101000	500	100000	0	101	80	120				

Sample ID: **1407110-004ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	633000	92300						600800	5.19	20	

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	137000	4950	99060	32260	106	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407110-004AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	123000	4950	99060	32260	91.2	70	130	137100	11.2	20	

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **CCV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211647**

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				
Chromium	5150	100	5000	0	103	90	110				
Copper	5120	50.0	5000	0	102	90	110				
Lead	4970	25.0	5000	0	99.4	90	110				
Nickel	5260	50.0	5000	0	105	90	110				
Zinc	5140	1000	5000	0	103	90	110				

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **ICV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4990	100	5000	0	99.8	90	110				
Chromium	5080	100	5000	0	102	90	110				
Copper	4990	50.0	5000	0	99.9	90	110				
Iron	503000	10000	500000	0	101	90	110				
Lead	5070	25.0	5000	0	101	90	110				
Manganese	5310	50.0	5000	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **ICV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	5110	50.0	5000	0	102	90	110				
Zinc	5100	1000	5000	0	102	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211676**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5030	100	5000	0	101	90	110				
Chromium	5230	100	5000	0	105	90	110				
Copper	5130	50.0	5000	0	103	90	110				
Lead	5140	25.0	5000	0	103	90	110				
Manganese	4970	50.0	5000	0	99.4	90	110				
Nickel	5200	50.0	5000	0	104	90	110				
Zinc	5200	1000	5000	0	104	90	110				

Sample ID: **MBLK-7828** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **PBS** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	100									
Chromium	ND	100									
Copper	ND	50.0									
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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **MBLK-7828** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **PBS** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	ND	50.0									
Nickel	ND	50.0									
Zinc	ND	1000									

Sample ID: **LCS-7828** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **LCSS** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211678**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	109000	2000	100000	0	109	73.4	120				
Lead	115000	500	100000	0	115	80	120				

Sample ID: **LCS-7828** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **LCSS** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211679**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	29700	1000	25000	0	119	80	120				
Copper	59100	500	50000	0	118	80	120				
Nickel	29600	500	25000	0	118	80	120				
Zinc	53700	10000	50000	0	107	69	129				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407119-040ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211684**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	626000	10800						646700	3.22	20	

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211686**

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				
Chromium	5130	100	5000	0	103	90	110				
Copper	5100	50.0	5000	0	102	90	110				
Lead	5290	25.0	5000	0	106	90	110				
Manganese	5230	50.0	5000	0	105	90	110				
Nickel	5040	50.0	5000	0	101	90	110				
Zinc	5160	1000	5000	0	103	90	110				

Sample ID: **1407119-040ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	268000	53800						313700	15.5	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407119-040AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	558000	4920	4922	552700	114	70	130				
Zinc	352000	98400	49220	284400	137	70	130				SMC

Sample ID: **1407119-040AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	521000	5090	5094	552700	-630	70	130	558300	6.98	20	SMC
Zinc	339000	102000	50940	284400	108	70	130	351700	3.53	20	

Sample ID: **1407119-040AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211692**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	91300	984	49220	29820	125	70	130				
Lead	145000	492	98440	28490	119	70	130				

Sample ID: **1407119-040AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211693**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	78700	1020	50940	29820	96.0	70	130	91330	14.8	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407119-040AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211693**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	134000	509	101900	28490	104	70	130	145400	8.11	20	

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/25/2014** SeqNo: **211696**

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				
Copper	5120	50.0	5000	0	103	90	110				
Lead	5310	25.0	5000	0	106	90	110				
Manganese	5200	50.0	5000	0	104	90	110				
Zinc	5110	1000	5000	0	102	90	110				

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **ICV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5390	25.0	5000	0	108	90	110				
Nickel	5380	50.0	5000	0	108	90	110				
Zinc	5440	1000	5000	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04 **TestCode:** **6020_S**

Sample ID: **1407110-004ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	12200	462						16330	29.3	20	R

Sample ID: **1407110-004AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211770**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	136000	4950	99060	35430	101	70	130				
Zinc	912000	198000	49530	640500	548	70	130				SMC

Sample ID: **1407110-004AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16095**
Client ID: **ZZZZZZ** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211771**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	122000	4950	99060	35430	87.5	70	130	135700	10.5	20	
Zinc	736000	198000	49530	640500	193	70	130	912000	21.3	20	SRMC

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16095**
Client ID: **CCV** Batch ID: **7873** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	5400	1000	5000	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **ICV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5360	100	5000	0	107	90	110				
Iron	519000	10000	500000	0	104	90	110				
Lead	5390	25.0	5000	0	108	90	110				
Manganese	5490	50.0	5000	0	110	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	462000	10000	500000	0	92.3	90	110				
Manganese	5090	50.0	5000	0	102	90	110				

Sample ID: **MBLK-7874** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **PBS** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	100									
Chromium	ND	100									
Copper	ND	50.0									
Iron	ND	10000									
Lead	ND	25.0									
Manganese	ND	50.0									
Nickel	ND	50.0									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **MBLK-7874** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **PBS** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	ND	1000									

Sample ID: **LCS-7874** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **LCSS** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	55500	50000	50000	0	111	80.3	122				
Manganese	5300	250	5000	0	106	80	120				

Sample ID: **1407119-040ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	38100000	1080000						41920000	9.50	20	

Sample ID: **1407119-040AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	40200000	984000	49220	41920000	-3580	70	130				SMC

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407119-040AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **7/25/2014** RunNo: **16101**
Client ID: **TP25-S-0.5** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	41200000	1020000	50940	41920000	-1420	70	130	40150000	2.56	20	SMC

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/28/2014** SeqNo: **211845**

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				
Iron	492000	10000	500000	0	98.4	90	110				
Lead	4870	25.0	5000	0	97.3	90	110				
Manganese	4910	50.0	5000	0	98.2	90	110				

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **ICV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/29/2014** SeqNo: **211985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	506000	10000	500000	0	101	90	110				
Manganese	5120	50.0	5000	0	102	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/29/2014** SeqNo: **211990**

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04 **TestCode:** **6020_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16101**
Client ID: **CCV** Batch ID: **7874** TestNo: **SW6020A** **SW3050B** Analysis Date: **7/29/2014** SeqNo: **211990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	533000	10000	500000	0	107	90	110				
Manganese	5320	50.0	5000	0	106	90	110				

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**
Client ID: **ICV** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5010	100	5000	0	100	90	110				
Chromium	5010	100	5000	0	100	90	110				
Copper	5060	50.0	5000	0	101	90	110				
Iron	523000	10000	500000	0	105	90	110				
Lead	5000	25.0	5000	0	100	90	110				
Manganese	4900	50.0	5000	0	97.9	90	110				
Nickel	5050	50.0	5000	0	101	90	110				
Zinc	4840	1000	5000	0	96.8	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**
Client ID: **CCV** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5070	100	5000	0	101	90	110				
Chromium	4890	100	5000	0	97.9	90	110				
Copper	5080	50.0	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**
Client ID: **CCV** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	502000	10000	500000	0	100	90	110				
Lead	5040	25.0	5000	0	101	90	110				
Manganese	4810	50.0	5000	0	96.3	90	110				
Nickel	4820	50.0	5000	0	96.4	90	110				
Zinc	4980	1000	5000	0	99.7	90	110				

Sample ID: **LCS-8068** SampType: **LCS** TestCode: **6020_S** Units: **µg/Kg** Prep Date: **8/25/2014** RunNo: **16565**
Client ID: **LCSS** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4860	100	5000	0	97.2	73.4	120				
Chromium	5400	100	5000	0	108	80	120				
Copper	5260	50.0	5000	0	105	80	120				
Iron	460000	10000	500000	0	92.0	80.3	122				
Lead	5190	25.0	5000	0	104	80	120				
Manganese	4940	50.0	5000	0	98.8	80	120				
Nickel	4990	50.0	5000	0	99.8	80	120				
Zinc	5570	1000	5000	0	111	69	129				

Sample ID: **1407247-001ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **8/25/2014** RunNo: **16565**
Client ID: **ZZZZZZ** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218517**

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407247-001ADUP** SampType: **DUP** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **8/25/2014** RunNo: **16565**
Client ID: **ZZZZZZ** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	9880						0	0	20	
Chromium	10400	9880						10420	0.127	20	
Copper	ND	4940						0	0	20	
Iron	5870000	988000						5367000	8.93	20	
Lead	31800	2470						30280	4.98	20	
Manganese	175000	4940						167000	4.60	20	
Nickel	ND	4940						0	0	20	
Zinc	388000	98800						359900	7.39	20	

Sample ID: **1407247-001AMS** SampType: **MS** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **8/25/2014** RunNo: **16565**
Client ID: **ZZZZZZ** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	65400	10300	51290	3124	121	70	130				
Chromium	73100	10300	51290	10420	122	70	130				
Copper	69900	5130	51290	630.7	135	70	130				S
Iron	11700000	1030000	5129000	5367000	123	70	130				
Lead	98200	2560	51290	30280	132	70	130				SMC
Manganese	256000	5130	51290	167000	173	70	130				SMC
Nickel	61600	5130	51290	748.0	119	70	130				
Zinc	500000	103000	51290	359900	273	70	130				SMC

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**

Client ID: **CCV** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4910	100	5000	0	98.2	90	110				
Chromium	4840	100	5000	0	96.8	90	110				
Copper	4920	50.0	5000	0	98.4	90	110				
Iron	454000	10000	500000	0	90.7	90	110				
Lead	5000	25.0	5000	0	100	90	110				
Manganese	4750	50.0	5000	0	95.1	90	110				
Nickel	4680	50.0	5000	0	93.6	90	110				
Zinc	4790	1000	5000	0	95.8	90	110				

Sample ID: **1407247-001AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **8/25/2014** RunNo: **16565**

Client ID: **ZZZZZZ** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/26/2014** SeqNo: **218520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	66700	10900	54370	3124	117	70	130	65350	2.08	20	
Chromium	78500	10900	54370	10420	125	70	130	73060	7.12	20	
Copper	69000	5440	54370	630.7	126	70	130	69950	1.36	20	
Iron	13100000	1090000	5437000	5367000	142	70	130	11680000	11.4	20	SMC
Lead	101000	2720	54370	30280	130	70	130	98230	2.63	20	
Manganese	260000	5440	54370	167000	172	70	130	255500	1.90	20	SMC
Zinc	493000	109000	54370	359900	245	70	130	500000	1.40	20	SMC

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**

Client ID: **ICV** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/27/2014** SeqNo: **218755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4890	100	5000	0	97.7	90	110				
Chromium	4890	100	5000	0	97.7	90	110				
Copper	4890	50.0	5000	0	97.8	90	110				
Iron	510000	10000	500000	0	102	90	110				
Lead	4740	25.0	5000	0	94.9	90	110				
Manganese	4730	50.0	5000	0	94.7	90	110				
Nickel	4930	50.0	5000	0	98.6	90	110				
Zinc	5340	1000	5000	0	107	90	110				

Sample ID: **MBLK-8068** SampType: **MBLK** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**

Client ID: **PBS** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/27/2014** SeqNo: **218756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	100									
Chromium	ND	100									
Copper	ND	50.0									
Iron	ND	10000									
Lead	ND	25.0									
Manganese	ND	50.0									
Nickel	ND	50.0									
Zinc	ND	1000									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **6020_S**

Sample ID: **1407247-001AMSD** SampType: **MSD** TestCode: **6020_S** Units: **µg/Kg-dry** Prep Date: **8/25/2014** RunNo: **16565**
Client ID: **ZZZZZZ** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/27/2014** SeqNo: **218761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	59900	5440	54370	748.0	109	70	130	61610	2.76	20	

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**
Client ID: **CCV** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/27/2014** SeqNo: **218762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4740	100	5000	0	94.9	90	110				
Chromium	4740	100	5000	0	94.7	90	110				
Copper	4720	50.0	5000	0	94.4	90	110				
Iron	470000	10000	500000	0	94.1	90	110				
Lead	4640	25.0	5000	0	92.7	90	110				
Manganese	4610	50.0	5000	0	92.3	90	110				
Nickel	4840	50.0	5000	0	96.7	90	110				
Zinc	5120	1000	5000	0	103	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_S** Units: **µg/Kg** Prep Date: RunNo: **16565**
Client ID: **CCV** Batch ID: **8068** TestNo: **SW6020A** **SW3050B** Analysis Date: **8/27/2014** SeqNo: **218828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	4530	100	5000	0	90.6	90	110				
Nickel	4560	50.0	5000	0	91.2	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **MB-7837**	SampType: **MBLK**	TestCode: **8081BLL_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16231**
Client ID: **PBS**	Batch ID: **7837**	TestNo: **SW8081B**	**3545_PESTLL**	Analysis Date: **7/27/2014**	SeqNo: **213249**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.333									
4,4´-DDE	ND	0.333									
4,4´-DDT	ND	0.333									
Aldrin	ND	0.333									
alpha-BHC	ND	0.333									
alpha-Chlordane	ND	0.333									
beta-BHC	ND	0.333									
Chlordane	ND	6.67									
delta-BHC	ND	0.333									
Dieldrin	ND	0.333									
Endosulfan I	ND	0.333									
Endosulfan II	ND	0.333									
Endosulfan Sulfate	ND	0.333									
Endrin	ND	0.333									
Endrin aldehyde	ND	0.333									
Endrin ketone	ND	0.333									
gamma-BHC	ND	0.333									
gamma-Chlordane	ND	0.333									
Heptachlor	ND	0.333									
Heptachlor epoxide	ND	0.333									
Methoxychlor	ND	0.333									
Toxaphene	ND	6.67									
Surr: Decachlorobiphenyl	6.56		6.700		97.9	53.2	136				
Surr: Tetrachloro-m-xylene	5.04		6.700		75.2	32.3	84.1				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **LCS-7837** SampType: **LCS** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: **7/21/2014** RunNo: **16231**
Client ID: **LCSS** Batch ID: **7837** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	5.21	0.333	6.700	0	77.8	65.2	128				
Aldrin	3.61	0.333	6.700	0	53.9	52.9	129				
Dieldrin	4.26	0.333	6.700	0	63.5	52.8	136				
Endrin	5.04	0.333	6.700	0	75.2	53.9	150				
gamma-BHC	3.36	0.333	6.700	0	50.1	44	134				
Heptachlor	3.49	0.333	6.700	0	52.1	47.4	116				

Sample ID: **1407119-034AMS** SampType: **MS** TestCode: **8081BLL_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16231**
Client ID: **TP23-S-0.5** Batch ID: **7837** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	22.8	0.400	7.998	0	285	36.6	123				SMI
Aldrin	231	0.400	7.998	0	2890	41.9	100				SMI
Dieldrin	10.9	0.400	7.998	0	137	44.3	108				SMI
Endrin	8.39	0.400	7.998	0	105	32.1	103				SMI
gamma-BHC	8.76	0.400	7.998	0	110	42	102				SMI
Heptachlor	39.4	0.400	7.998	0	492	45.7	98.9				SMI

Sample ID: **1407119-034AMSD** SampType: **MSD** TestCode: **8081BLL_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16231**
Client ID: **TP23-S-0.5** Batch ID: **7837** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213256**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	70.3	0.398	7.998	0	879	36.6	123	22.78	102	20	SRMI

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **1407119-034AMSD** SampType: **MSD** TestCode: **8081BLL_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16231**
Client ID: **TP23-S-0.5** Batch ID: **7837** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213256**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	261	0.398	7.998	0	3270	41.9	100	231.0	12.4	20	SMI
Dieldrin	15.0	0.398	7.998	0	188	44.3	108	10.93	31.6	20	SRMI
Endrin	20.5	0.398	7.998	0	257	32.1	103	8.392	83.9	20	SRMI
gamma-BHC	12.9	0.398	7.998	0	161	42	102	8.764	37.9	20	SRMI
Heptachlor	55.0	0.398	7.998	0	688	45.7	98.9	39.38	33.1	20	SRMI

Sample ID: **CCV 100** SampType: **CCV** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: RunNo: **16231**
Client ID: **CCV** Batch ID: **7837** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	98.2	0.333	100.0	0	98.2	80	120				
4,4´-DDE	106	0.333	100.0	0	106	80	120				
4,4´-DDT	101	0.333	100.0	0	101	80	120				
Aldrin	105	0.333	100.0	0	105	80	120				
alpha-BHC	110	0.333	100.0	0	110	80	120				
alpha-Chlordane	103	0.333	100.0	0	103	80	120				
beta-BHC	99.1	0.333	100.0	0	99.1	80	120				
delta-BHC	99.8	0.333	100.0	0	99.8	80	120				
Dieldrin	104	0.333	100.0	0	104	80	120				
Endosulfan I	102	0.333	100.0	0	102	80	120				
Endosulfan II	95.6	0.333	100.0	0	95.6	80	120				
Endosulfan Sulfate	90.4	0.333	100.0	0	90.4	80	120				
Endrin	97.4	0.333	100.0	0	97.4	80	120				
Endrin aldehyde	102	0.333	100.0	0	102	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **CCV 100** SampType: **CCV** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: RunNo: **16231**
Client ID: **CCV** Batch ID: **7837** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin ketone	96.7	0.333	100.0	0	96.7	80	120				
gamma-BHC	105	0.333	100.0	0	105	80	120				
gamma-Chlordane	102	0.333	100.0	0	102	80	120				
Heptachlor	105	0.333	100.0	0	105	80	120				
Heptachlor epoxide	101	0.333	100.0	0	101	80	120				
Methoxychlor	95.6	0.333	100.0	0	95.6	80	120				

Sample ID: **CCV 100** SampType: **CCV** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: RunNo: **16233**
Client ID: **CCV** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	6.58	0.333	6.700	0	98.2	80	120				
4,4´-DDE	7.07	0.333	6.700	0	106	80	120				
4,4´-DDT	6.80	0.333	6.700	0	101	80	120				
Aldrin	7.02	0.333	6.700	0	105	80	120				
alpha-BHC	7.36	0.333	6.700	0	110	80	120				
alpha-Chlordane	6.88	0.333	6.700	0	103	80	120				
beta-BHC	6.64	0.333	6.700	0	99.1	80	120				
delta-BHC	6.69	0.333	6.700	0	99.8	80	120				
Dieldrin	6.96	0.333	6.700	0	104	80	120				
Endosulfan I	6.82	0.333	6.700	0	102	80	120				
Endosulfan II	6.40	0.333	6.700	0	95.6	80	120				
Endosulfan Sulfate	6.06	0.333	6.700	0	90.4	80	120				
Endrin	6.53	0.333	6.700	0	97.4	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **CCV 100** SampType: **CCV** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: RunNo: **16233**

Client ID: **CCV** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin aldehyde	6.86	0.333	6.700	0	102	80	120				
Endrin ketone	6.48	0.333	6.700	0	96.7	80	120				
gamma-BHC	7.01	0.333	6.700	0	105	80	120				
gamma-Chlordane	6.85	0.333	6.700	0	102	80	120				
Heptachlor	7.04	0.333	6.700	0	105	80	120				
Heptachlor epoxide	6.79	0.333	6.700	0	101	80	120				
Methoxychlor	6.41	0.333	6.700	0	95.6	80	120				

Sample ID: **CCV 100** SampType: **CCV** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: RunNo: **16233**

Client ID: **CCV** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/28/2014** SeqNo: **213344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	8.62	0.333	6.700	0	129	80	120				SC
4,4´-DDE	7.94	0.333	6.700	0	119	80	120				
4,4´-DDT	7.36	0.333	6.700	0	110	80	120				
Aldrin	8.03	0.333	6.700	0	120	80	120				
alpha-BHC	8.52	0.333	6.700	0	127	80	120				SC
alpha-Chlordane	7.82	0.333	6.700	0	117	80	120				
beta-BHC	7.62	0.333	6.700	0	114	80	120				
delta-BHC	7.94	0.333	6.700	0	118	80	120				
Dieldrin	8.02	0.333	6.700	0	120	80	120				
Endosulfan I	7.82	0.333	6.700	0	117	80	120				
Endosulfan II	7.56	0.333	6.700	0	113	80	120				
Endosulfan Sulfate	6.99	0.333	6.700	0	104	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **CCV 100** SampType: **CCV** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: RunNo: **16233**
Client ID: **CCV** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/28/2014** SeqNo: **213344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin	7.00	0.333	6.700	0	105	80	120				
Endrin aldehyde	8.14	0.333	6.700	0	122	80	120				SC
Endrin ketone	7.96	0.333	6.700	0	119	80	120				
gamma-BHC	8.28	0.333	6.700	0	124	80	120				SC
gamma-Chlordane	7.91	0.333	6.700	0	118	80	120				
Heptachlor	8.61	0.333	6.700	0	129	80	120				SC
Heptachlor epoxide	7.80	0.333	6.700	0	116	80	120				
Methoxychlor	7.59	0.333	6.700	0	113	80	120				

Sample ID: **MB-7838** SampType: **MBLK** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: **7/21/2014** RunNo: **16233**
Client ID: **PBS** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213346**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.333									
4,4´-DDE	ND	0.333									
4,4´-DDT	ND	0.333									
Aldrin	ND	0.333									
alpha-BHC	ND	0.333									
alpha-Chlordane	ND	0.333									
beta-BHC	ND	0.333									
Chlordane	ND	6.67									
delta-BHC	ND	0.333									
Dieldrin	ND	0.333									
Endosulfan I	ND	0.333									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **MB-7838** SampType: **MBLK** TestCode: **8081BLL_S** Units: **µg/Kg** Prep Date: **7/21/2014** RunNo: **16233**
Client ID: **PBS** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213346**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	ND	0.333									
Endosulfan Sulfate	ND	0.333									
Endrin	ND	0.333									
Endrin aldehyde	ND	0.333									
Endrin ketone	ND	0.333									
gamma-BHC	ND	0.333									
gamma-Chlordane	ND	0.333									
Heptachlor	ND	0.333									
Heptachlor epoxide	ND	0.333									
Methoxychlor	ND	0.333									
Toxaphene	ND	6.67									
Surr: Decachlorobiphenyl	8.50		6.700		127	53.2	136				
Surr: Tetrachloro-m-xylene	3.90		6.700		58.2	32.3	84.1				

Sample ID: **1407119-012AMS** SampType: **MS** TestCode: **8081BLL_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16233**
Client ID: **TP16-S-0.5** Batch ID: **7838** TestNo: **SW8081B** **3545_PESTLL** Analysis Date: **7/27/2014** SeqNo: **213349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	5.00	0.428	8.605	0	58.1	36.6	123				
Aldrin	4.32	0.428	8.605	0	50.2	41.9	100				
Dieldrin	4.14	0.428	8.605	0	48.1	44.3	108				
Endrin	4.42	0.428	8.605	0	51.3	32.1	103				
gamma-BHC	3.88	0.428	8.605	0	45.0	42	102				
Heptachlor	3.98	0.428	8.605	0	46.3	45.7	98.9				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8081BLL_S**

Sample ID: **1407119-012AMS**	SampType: **MS**	TestCode: **8081BLL_S**	Units: **µg/Kg-dry**	Prep Date: **7/21/2014**	RunNo: **16233**
Client ID: **TP16-S-0.5**	Batch ID: **7838**	TestNo: **SW8081B**	**3545_PESTLL**	Analysis Date: **7/27/2014**	SeqNo: **213349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1407119-012AMSD**	SampType: **MSD**	TestCode: **8081BLL_S**	Units: **µg/Kg-dry**	Prep Date: **7/21/2014**	RunNo: **16233**
Client ID: **TP16-S-0.5**	Batch ID: **7838**	TestNo: **SW8081B**	**3545_PESTLL**	Analysis Date: **7/27/2014**	SeqNo: **213350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	4.31	0.428	8.605	0	50.1	36.6	123	4.999	14.7	20	
Aldrin	4.05	0.428	8.605	0	47.1	41.9	100	4.324	6.47	20	
Dieldrin	4.02	0.428	8.605	0	46.7	44.3	108	4.141	3.06	20	
Endrin	3.82	0.428	8.605	0	44.4	32.1	103	4.416	14.5	20	
gamma-BHC	3.67	0.428	8.605	0	42.6	42	102	3.612	1.48	20	
Heptachlor	4.00	0.428	8.605	0	46.5	45.7	98.9	3.981	0.532	20	

Sample ID: **LCS-7838**	SampType: **LCS**	TestCode: **8081BLL_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16233**
Client ID: **LCSS**	Batch ID: **7838**	TestNo: **SW8081B**	**3545_PESTLL**	Analysis Date: **7/27/2014**	SeqNo: **213392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	4.78	0.333	6.700	0	71.4	65.2	128				
Aldrin	4.16	0.333	6.700	0	62.1	52.9	129				
Dieldrin	3.81	0.333	6.700	0	56.8	52.8	136				
Endrin	4.02	0.333	6.700	0	60.0	53.9	150				
gamma-BHC	3.28	0.333	6.700	0	49.0	44	134				
Heptachlor	3.35	0.333	6.700	0	50.1	47.4	116				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1248 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16125**
Client ID: **CCV**	Batch ID: **7848**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/26/2014**	SeqNo: **211531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.7	0.333	66.67	0	100	85	115				

Sample ID: **1248 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16125**
Client ID: **CCV**	Batch ID: **7848**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/26/2014**	SeqNo: **211532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.1	0.333	66.67	0	99.2	85	115				

Sample ID: **MB-7848**	SampType: **MBLK**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **7/22/2014**	RunNo: **16125**
Client ID: **PBS**	Batch ID: **7848**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/25/2014**	SeqNo: **211533**

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	8660		6667		130	56.5	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **LCS-7848**	SampType: **LCS**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **7/22/2014**	RunNo: **16125**
Client ID: **LCSS**	Batch ID: **7848**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/25/2014**	SeqNo: **211534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	66.5	0.333	66.67	0	99.8	44.3	137				

Sample ID: **1248 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16125**
Client ID: **CCV**	Batch ID: **7848**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/25/2014**	SeqNo: **211570**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.7	0.333	66.67	0	100	85	115				

Sample ID: **MB-7851**	SampType: **MBLK**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **7/23/2014**	RunNo: **16126**
Client ID: **PBS**	Batch ID: **7851**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/25/2014**	SeqNo: **211572**

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	8030		6667		120	56.5	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **LCS-7851** SampType: **LCS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **7/23/2014** RunNo: **16126**
Client ID: **LCSS** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	73.7	0.333	66.67	0	111	44.3	137				

Sample ID: **1407119-058AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/23/2014** RunNo: **16126**
Client ID: **TP-S-0.5DUP** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	183	0.386	77.30	0	237	56.6	123				SMI

Sample ID: **1407119-058AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/23/2014** RunNo: **16126**
Client ID: **TP-S-0.5DUP** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/26/2014** SeqNo: **211585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	397	0.386	77.30	0	513	56.6	123	183.0	73.7	20	SRMI

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16126**
Client ID: **CCV** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1407119-037AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/22/2014** RunNo: **16125**
Client ID: **TP24-S-0.5** Batch ID: **7848** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	80.8	0.386	77.19	0	105	56.6	123				

Sample ID: **1407119-037AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/22/2014** RunNo: **16125**
Client ID: **TP24-S-0.5** Batch ID: **7848** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/25/2014** SeqNo: **211674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	97.6	0.386	77.19	0	126	56.6	123	80.81	18.9	20	S

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16126**
Client ID: **CCV** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/26/2014** SeqNo: **211707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	60.6	0.333	66.67	0	91.0	85	115				

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16126**
Client ID: **CCV** Batch ID: **7851** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/26/2014** SeqNo: **211727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1016/1260 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16125**
Client ID: **CCV**	Batch ID: **7848**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/26/2014**	SeqNo: **211728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	64.4	0.333	66.67	0	96.6	85	115				

Sample ID: **MB-7887**	SampType: **MBLK**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **7/28/2014**	RunNo: **16161**
Client ID: **PBS**	Batch ID: **7887**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/29/2014**	SeqNo: **212134**

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	6170		6667		92.5	56.5	130				

Sample ID: **LCS-7887**	SampType: **LCS**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **7/28/2014**	RunNo: **16161**
Client ID: **LCSS**	Batch ID: **7887**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **7/29/2014**	SeqNo: **212135**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	63.9	0.333	66.67	0	95.8	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1254 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16161**
Client ID: **CCV** Batch ID: **7887** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/29/2014** SeqNo: **212140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	66.7	0.333	66.67	0	100	85	115				

Sample ID: **1407119-006AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/28/2014** RunNo: **16161**
Client ID: **TP14-S-4.5** Batch ID: **7887** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/29/2014** SeqNo: **212198**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	69.7	0.370	74.02	0	94.2	56.6	123				

Sample ID: **1407119-006AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **7/28/2014** RunNo: **16161**
Client ID: **TP14-S-4.5** Batch ID: **7887** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/29/2014** SeqNo: **212199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	73.5	0.370	74.02	0	99.3	56.6	123	69.75	5.20	20	

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16161**
Client ID: **CCV** Batch ID: **7887** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/29/2014** SeqNo: **212200**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.6	0.333	66.67	0	99.9	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16161**
Client ID: **CCV** Batch ID: **7887** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/29/2014** SeqNo: **212253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	61.7	0.333	66.67	0	92.5	85	115				

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16161**
Client ID: **CCV** Batch ID: **7887** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/30/2014** SeqNo: **212306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	0.998	0.333	1.000	0	99.8	85	115				

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16161**
Client ID: **CCV** Batch ID: **7887** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **7/30/2014** SeqNo: **212310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	69.1	0.333	66.67	0	104	85	115				

Sample ID: **1016/1260 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16276**
Client ID: **CCV** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/6/2014** SeqNo: **214235**

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				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **MB-7926**	SampType: **MBLK**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **8/4/2014**	RunNo: **16276**
Client ID: **PBS**	Batch ID: **7926**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/6/2014**	SeqNo: **214236**

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	4880		6667		73.3	56.5	130				

Sample ID: **LCS-7926**	SampType: **LCS**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **8/4/2014**	RunNo: **16276**
Client ID: **LCSS**	Batch ID: **7926**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/6/2014**	SeqNo: **214237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	65.0	0.333	66.67	0	97.5	44.3	137				

Sample ID: **1016/1260 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16276**
Client ID: **CCV**	Batch ID: **7926**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/6/2014**	SeqNo: **214242**

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				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1248 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16276**
Client ID: **CCV** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/6/2014** SeqNo: **214243**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	66.7	0.333	66.67	0	100	85	115				

Sample ID: **1016/1260 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16333**
Client ID: **CCV** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/12/2014** SeqNo: **215362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	1.11	0.333	1.000	0	111	85	115				

Sample ID: **MB-7926** SampType: **MBLK** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **8/4/2014** RunNo: **16333**
Client ID: **PBS** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/12/2014** SeqNo: **215367**

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	3940		6667		59.1	56.5	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **LCS-7926** SampType: **LCS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **8/4/2014** RunNo: **16333**
Client ID: **LCSS** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/12/2014** SeqNo: **215368**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	48.8	0.333	66.67	0	73.2	44.3	137				

Sample ID: **1408014-026AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **8/4/2014** RunNo: **16333**
Client ID: **ZZZZZZ** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/12/2014** SeqNo: **215369**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	65.0	0.333	66.67	0	97.5	56.6	123				

Sample ID: **1408014-026AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **8/4/2014** RunNo: **16333**
Client ID: **ZZZZZZ** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/12/2014** SeqNo: **215370**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	63.9	0.333	66.67	0	95.8	56.6	123	64.98	1.74	20	

Sample ID: **1016/1260 CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **16333**
Client ID: **CCV** Batch ID: **7926** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **8/12/2014** SeqNo: **215371**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	64.0	0.333	66.67	0	96.0	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **1016/1260 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16577**
Client ID: **CCV**	Batch ID: **8077**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/27/2014**	SeqNo: **218680**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	59.0	0.333	66.67	0	88.5	85	115				
Aroclor 1262	ND	0.333									

Sample ID: **MB-8077**	SampType: **MBLK**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **8/26/2014**	RunNo: **16577**
Client ID: **PBS**	Batch ID: **8077**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/27/2014**	SeqNo: **218681**

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	5170		6667		77.6	56.5	130				

Sample ID: **LCS-8077**	SampType: **LCS**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **8/26/2014**	RunNo: **16577**
Client ID: **LCSS**	Batch ID: **8077**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/27/2014**	SeqNo: **218682**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	51.4	0.333	66.67	0	77.0	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8082LL_S**

Sample ID: **LCS-8077**	SampType: **LCS**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **8/26/2014**	RunNo: **16577**
Client ID: **LCSS**	Batch ID: **8077**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/27/2014**	SeqNo: **218682**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1408169-001AMS**	SampType: **MS**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **8/26/2014**	RunNo: **16577**
Client ID: **ZZZZZZ**	Batch ID: **8077**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/27/2014**	SeqNo: **218974**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	46.8	0.333	66.67	0	70.2	56.6	123				

Sample ID: **1408169-001AMSD**	SampType: **MSD**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **8/26/2014**	RunNo: **16577**
Client ID: **ZZZZZZ**	Batch ID: **8077**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/27/2014**	SeqNo: **218975**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	52.1	0.333	66.67	0	78.1	56.6	123	46.82	10.7	20	

Sample ID: **1248 CCV**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16577**
Client ID: **CCV**	Batch ID: **8077**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **8/27/2014**	SeqNo: **218977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **MB-7830** SampType: **MBLK** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **PBS** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **210979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	ND	6.67									
2,4,5-TP (Silvex)	ND	6.67									
2,4-D	ND	6.67									
2,4-DB	ND	6.67									
4-Nitrophenol	ND	6.67									
Dicamba	ND	6.67									
Dichlorprop	ND	6.67									
Dinoseb	ND	6.67									
MCPA	ND	667									
MCPP	ND	667									
Pentachlorophenol	ND	6.67									
Surr: 2,4-DCAA	4210		6665		63.2	34.3	141				

Sample ID: **LCS-7830** SampType: **LCS** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **LCSS** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **210980**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	32.9	6.67	66.65	0	49.4	46.8	115				
2,4,5-TP (Silvex)	39.1	6.67	66.65	0	58.6	38.7	137				
2,4-D	43.6	6.67	66.65	0	65.4	34.2	123				
Dichlorprop	57.5	6.67	66.65	0	86.2	56.8	140				
Pentachlorophenol	32.1	6.67	66.65	0	48.2	26.5	117				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**
Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **210999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	60.5	6.67	66.65	0	90.8	85	115				
2,4,5-TP (Silvex)	62.7	6.67	66.65	0	94.0	85	115				
2,4-D	74.6	6.67	66.65	0	112	85	115				
2,4-DB	61.7	6.67	66.65	0	92.6	85	115				
4-Nitrophenol	75.2	6.67	66.65	0	113	85	115				
Dicamba	63.2	6.67	66.65	0	94.8	85	115				
Dichlorprop	57.5	6.67	66.65	0	86.2	85	115				
Dinoseb	62.4	6.67	66.65	0	93.6	85	115				
MCPA	7050	666	6665	0	106	85	115				
MCPP	7160	666	6665	0	108	85	115				
Pentachlorophenol	60.3	6.67	66.65	0	90.4	85	115				

Sample ID: **1407110-018AMS** SampType: **MS** TestCode: **8151_S** Units: **µg/Kg-dry** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **ZZZZZZ** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **211000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	157	7.59	75.87	0	207	20	124				SMI
2,4,5-TP (Silvex)	151	7.59	75.87	0	199	16.4	131				SMI
2,4-D	47.2	7.59	75.87	0	62.2	20	123				
Dichlorprop	52.2	7.59	75.87	0	68.8	8.98	120				
Pentachlorophenol	53.7	7.59	75.87	14.42	51.8	18.4	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **1407110-018AMSD** SampType: **MSD** TestCode: **8151_S** Units: **µg/Kg-dry** Prep Date: **7/18/2014** RunNo: **16088**
Client ID: **ZZZZZZ** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **211001**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	180	7.59	75.87	0	237	20	124	157.2	13.2	20	SMI
2,4,5-TP (Silvex)	228	7.59	75.87	0	300	16.4	131	150.7	40.7	20	SRMI
2,4-D	43.7	7.59	75.87	0	57.6	20	123	47.20	7.68	20	
Dichlorprop	48.1	7.59	75.87	0	63.4	8.98	120	52.21	8.17	20	
Pentachlorophenol	49.0	7.59	75.87	14.42	45.6	18.4	137	53.73	9.16	20	

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**
Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/23/2014** SeqNo: **211002**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	59.3	6.67	66.65	0	89.0	85	115				
2,4,5-TP (Silvex)	59.9	6.67	66.65	0	89.8	85	115				
2,4-D	68.1	6.67	66.65	0	102	85	115				
2,4-DB	61.9	6.67	66.65	0	92.8	85	115				
4-Nitrophenol	75.7	6.67	66.65	0	114	85	115				
Dicamba	59.6	6.67	66.65	0	89.4	85	115				
Dichlorprop	58.4	6.67	66.65	0	87.6	85	115				
Dinoseb	61.7	6.67	66.65	0	92.6	85	115				
MCPA	6670	666	6665	0	100	85	115				
MCPP	7360	666	6665	0	110	85	115				
Pentachlorophenol	58.7	6.67	66.65	0	88.0	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16088**
Client ID: **CCV** Batch ID: **7830** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	59.3	6.67	66.65	0	89.0	85	115				
2,4,5-TP (Silvex)	60.7	6.67	66.65	0	91.0	85	115				
2,4-D	68.1	6.67	66.65	0	102	85	115				
2,4-DB	63.5	6.67	66.65	0	95.2	85	115				
4-Nitrophenol	71.7	6.67	66.65	0	108	85	115				
Dicamba	60.8	6.67	66.65	0	91.2	85	115				
Dichlorprop	60.8	6.67	66.65	0	91.2	85	115				
Dinoseb	56.9	6.67	66.65	0	85.4	85	115				
MCPA	6830	666	6665	0	103	85	115				
MCPP	7030	666	6665	0	105	85	115				
Pentachlorophenol	58.4	6.67	66.65	0	87.6	85	115				

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16097**
Client ID: **CCV** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	58.7	6.67	66.65	0	88.0	85	115				
2,4,5-TP (Silvex)	60.7	6.67	66.65	0	91.0	85	115				
2,4-D	72.0	6.67	66.65	0	108	85	115				
2,4-DB	61.1	6.67	66.65	0	91.6	85	115				
4-Nitrophenol	69.0	6.67	66.65	0	104	85	115				
Dicamba	60.3	6.67	66.65	0	90.4	85	115				
Dichlorprop	61.2	6.67	66.65	0	91.8	85	115				
Dinoseb	59.9	6.67	66.65	0	89.8	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16097**
Client ID: **CCV** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MCPA	6750	666	6665	0	101	85	115				
MCPP	6890	666	6665	0	103	85	115				
Pentachlorophenol	57.7	6.67	66.65	0	86.6	85	115				

Sample ID: **MB-7835** SampType: **MBLK** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **7/21/2014** RunNo: **16097**
Client ID: **PBS** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	ND	6.67									
2,4,5-TP (Silvex)	ND	6.67									
2,4-D	ND	6.67									
2,4-DB	ND	6.67									
4-Nitrophenol	ND	6.67									
Dicamba	ND	6.67									
Dichlorprop	ND	6.67									
Dinoseb	ND	6.67									
MCPA	ND	667									
MCPP	ND	667									
Pentachlorophenol	ND	6.67									
Surr: 2,4-DCAA	3110		6665		46.7	34.3	141				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **1407119-046AMS** SampType: **MS** TestCode: **8151_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16097**
Client ID: **TP27-S-0.5** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211177**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	504	9.23	92.30	0	546	20	124				SMI
2,4,5-TP (Silvex)	521	9.23	92.30	0	564	16.4	131				SMI
2,4-D	36.4	9.23	92.30	0	39.4	20	123				
Dichlorprop	48.4	9.23	92.30	0	52.4	8.98	120				
Pentachlorophenol	21.8	9.23	92.30	0	23.6	18.4	137				

Sample ID: **1407119-046AMSD** SampType: **MSD** TestCode: **8151_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16097**
Client ID: **TP27-S-0.5** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	404	9.23	92.30	0	438	20	124	504.1	22.0	20	SRMI
2,4,5-TP (Silvex)	449	9.23	92.30	0	486	16.4	131	520.7	14.9	20	SMI
2,4-D	36.9	9.23	92.30	0	40.0	20	123	36.38	1.51	20	
Dichlorprop	46.3	9.23	92.30	0	50.2	8.98	120	48.38	4.29	20	
Pentachlorophenol	22.0	9.23	92.30	0	23.8	18.4	137	21.79	0.844	20	

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16097**
Client ID: **CCV** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	62.1	6.67	66.65	0	93.2	85	115				
2,4,5-TP (Silvex)	64.9	6.67	66.65	0	97.4	85	115				
2,4-D	73.8	6.67	66.65	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
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16097**
Client ID: **CCV** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/24/2014** SeqNo: **211179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	64.1	6.67	66.65	0	96.2	85	115				
4-Nitrophenol	69.3	6.67	66.65	0	104	85	115				
Dicamba	64.1	6.67	66.65	0	96.2	85	115				
Dichlorprop	58.9	6.67	66.65	0	88.4	85	115				
Dinoseb	61.2	6.67	66.65	0	91.8	85	115				
MCPA	7090	666	6665	0	106	85	115				
MCPP	7290	666	6665	0	109	85	115				
Pentachlorophenol	61.9	6.67	66.65	0	92.8	85	115				

Sample ID: **LCS-7835** SampType: **LCS** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **7/21/2014** RunNo: **16097**
Client ID: **LCSS** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/25/2014** SeqNo: **211297**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	43.5	6.67	66.65	0	65.2	46.8	115				
2,4,5-TP (Silvex)	43.1	6.67	66.65	0	64.6	38.7	137				
2,4-D	53.9	6.67	66.65	0	80.8	34.2	123				
Dichlorprop	56.8	6.67	66.65	0	85.2	56.8	140				
Pentachlorophenol	36.5	6.67	66.65	0	54.8	26.5	117				

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16097**
Client ID: **CCV** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/25/2014** SeqNo: **211308**

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **8151_S**

Sample ID: **HERB CCV 5/0.5** SampType: **CCV** TestCode: **8151_S** Units: **µg/Kg** Prep Date: RunNo: **16097**

Client ID: **CCV** Batch ID: **7835** TestNo: **SW8151A** **3545_HERB** Analysis Date: **7/25/2014** SeqNo: **211308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	59.6	6.67	66.65	0	89.4	85	115				
2,4,5-TP (Silvex)	60.7	6.67	66.65	0	91.0	85	115				
2,4-D	73.3	6.67	66.65	0	110	85	115				
2,4-DB	60.0	6.67	66.65	0	90.0	85	115				
4-Nitrophenol	69.0	6.67	66.65	0	104	85	115				
Dicamba	59.5	6.67	66.65	0	89.2	85	115				
Dichlorprop	58.0	6.67	66.65	0	87.0	85	115				
Dinoseb	59.6	6.67	66.65	0	89.4	85	115				
MCPA	6770	666	6665	0	102	85	115				
MCPP	6990	666	6665	0	105	85	115				
Pentachlorophenol	57.6	6.67	66.65	0	86.4	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **HG_CTS**

Sample ID: **MB-7826** SampType: **MBLK** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **PBS** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0167									

Sample ID: **LCS-7826** SampType: **LCS** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **LCSS** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.373	0.0167	0.4000	0	93.3	80	120				

Sample ID: **1407083-001BDUP** SampType: **DUP** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **ZZZZZZ** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210345**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0144						0	0	20	

Sample ID: **1407083-001BMS** SampType: **MS** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **ZZZZZZ** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210346**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.298	0.0158	0.3774	0.004071	77.8	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **HG_CTS**

Sample ID: **1407083-001BMSD** SampType: **MSD** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **ZZZZZZ** Batch ID: **7826** TestNo: **SW 7471B** **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210347**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.262	0.0146	0.3509	0.004071	73.4	75	125	0.2976	12.9	20	S

Sample ID: **1407119-058ADUP** SampType: **DUP** TestCode: **HG_CTS** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **TP-S-0.5DUP** Batch ID: **7826A** TestNo: **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210372**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0377	0.0167						0.04049	7.10	20	

Sample ID: **1407119-058AMS** SampType: **MS** TestCode: **HG_CTS** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **TP-S-0.5DUP** Batch ID: **7826A** TestNo: **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210373**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.551	0.0183	0.4375	0.04049	117	75	125				

Sample ID: **1407119-058AMSD** SampType: **MSD** TestCode: **HG_CTS** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16042**
Client ID: **TP-S-0.5DUP** Batch ID: **7826A** TestNo: **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210374**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.556	0.0176	0.4216	0.04049	122	75	125	0.5511	0.817	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **HG_CTS**

Sample ID: **CCV**	SampType: **CCV**	TestCode: **HG_CTS**	Units: **mg/Kg**	Prep Date:	RunNo: **16042**
Client ID: **CCV**	Batch ID: **7826**	TestNo: **SW 7471B**	**SW 7471B**	Analysis Date: **7/18/2014**	SeqNo: **210375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.374	0.0167	0.4000	0	93.6	90	110				

Sample ID: **CCV**	SampType: **CCV**	TestCode: **HG_CTS**	Units: **mg/Kg**	Prep Date:	RunNo: **16042**
Client ID: **CCV**	Batch ID: **7826**	TestNo: **SW 7471B**	**SW 7471B**	Analysis Date: **7/18/2014**	SeqNo: **210376**

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	103	90	110				

Sample ID: **CCV**	SampType: **CCV**	TestCode: **HG_CTS**	Units: **mg/Kg**	Prep Date:	RunNo: **16042**
Client ID: **CCV**	Batch ID: **7826A**	TestNo: **SW 7471B**		Analysis Date: **7/18/2014**	SeqNo: **210377**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.409	0.0167	0.4000	0	102	90	110				

Sample ID: **MB-7826A**	SampType: **MBLK**	TestCode: **HG_CTS**	Units: **mg/Kg**	Prep Date:	RunNo: **16042**
Client ID: **PBS**	Batch ID: **7826A**	TestNo: **SW 7471B**		Analysis Date: **7/18/2014**	SeqNo: **210378**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0167									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **HG_CTS**

Sample ID: **LCS-7826A** SampType: **LCS** TestCode: **HG_CTS** Units: **mg/Kg** Prep Date: RunNo: **16042**
Client ID: **LCSS** Batch ID: **7826A** TestNo: **SW 7471B** Analysis Date: **7/18/2014** SeqNo: **210379**

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	103	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NH3_S**

Sample ID: **LCS-R16063** SampType: **LCS** TestCode: **NH3_S** Units: **mg/Kg** Prep Date: RunNo: **16063**
Client ID: **LCSS** Batch ID: **R16063** TestNo: **E350.1** Analysis Date: **7/21/2014** SeqNo: **210579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	28.5	4.00	30.00	0	94.9	90	110				

Sample ID: **MB-R16063** SampType: **MBLK** TestCode: **NH3_S** Units: **mg/Kg** Prep Date: RunNo: **16063**
Client ID: **PBS** Batch ID: **R16063** TestNo: **E350.1** Analysis Date: **7/21/2014** SeqNo: **210580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	ND	4.00									

Sample ID: **1407119-043AMS** SampType: **MS** TestCode: **NH3_S** Units: **mg/Kg-dry** Prep Date: RunNo: **16063**
Client ID: **TP26-S-0.5** Batch ID: **R16063** TestNo: **E350.1** Analysis Date: **7/21/2014** SeqNo: **210582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	18.8	4.72	17.70	1.222	99.2	80	120				

Sample ID: **1407119-043AMSD** SampType: **MSD** TestCode: **NH3_S** Units: **mg/Kg-dry** Prep Date: RunNo: **16063**
Client ID: **TP26-S-0.5** Batch ID: **R16063** TestNo: **E350.1** Analysis Date: **7/21/2014** SeqNo: **210583**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	18.9	4.72	17.70	1.222	100	80	120	18.79	0.676	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **NH3_S**

Sample ID: **R16063CCV** SampType: **CCV** TestCode: **NH3_S** Units: **mg/Kg** Prep Date: RunNo: **16063**

Client ID: **CCV** Batch ID: **R16063** TestNo: **E350.1** Analysis Date: **7/21/2014** SeqNo: **210589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	33.7	4.00	35.00	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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16046**
Client ID: **CCV** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210387**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	972	15.0	999.0	0	97.3	85	115				
Lube Oil	527	50.0	499.5	0	105	85	115				

Sample ID: **MB-7822** SampType: **MBLK** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16046**
Client ID: **PBS** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210388**

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	27.1		33.33		81.2	50	150				

Sample ID: **LCS-7822** SampType: **LCS** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16046**
Client ID: **LCSS** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	138	15.0	166.7	0	82.7	76.3	125				
Lube Oil	160	50.0	166.7	0	96.1	69.9	127				

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16046**
Client ID: **CCV** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210397**

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16046**
Client ID: **CCV** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1170	15.0	1332	0	88.2	85	115				
Lube Oil	704	50.0	666.0	0	106	85	115				

Sample ID: **CCB** SampType: **CCB** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16046**
Client ID: **CCB** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210398**

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	29.5		33.30		88.5	50	150				

Sample ID: **1407119-043ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16046**
Client ID: **TP26-S-0.5** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	56.4	17.7						44.92	22.6	20	R
Lube Oil	182	59.0						132.9	31.2	20	R

Sample ID: **1407119-052ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16046**
Client ID: **TP29-S-0.5** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210403**

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **1407119-052ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16046**
Client ID: **TP29-S-0.5** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	17.2						19.68	200	20	RF
Lube Oil	77.1	57.4						104.4	30.0	20	R

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16046**
Client ID: **CCV** Batch ID: **7822** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1320	15.0	1332	0	99.2	85	115				
Lube Oil	618	50.0	666.0	0	92.8	85	115				

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16057**
Client ID: **CCV** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1170	15.0	1332	0	88.2	85	115				
Lube Oil	704	50.0	666.0	0	106	85	115				

Sample ID: **MB-7819** SampType: **MBLK** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: **7/17/2014** RunNo: **16057**
Client ID: **PBS** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	15.0									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **MB-7819**	SampType: **MBLK**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date: **7/17/2014**	RunNo: **16057**
Client ID: **PBS**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil	ND	50.0									
Surr: o-Terphenyl	22.3		33.33		67.0	50	150				

Sample ID: **LCS-7819**	SampType: **LCS**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date: **7/17/2014**	RunNo: **16057**
Client ID: **LCSS**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	128	15.0	166.7	0	76.6	76.3	125				
Lube Oil	121	50.0	166.7	0	72.4	69.9	127				

Sample ID: **CCV**	SampType: **CCV**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date:	RunNo: **16057**
Client ID: **CCV**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1000	15.0	999.0	0	100	85	115				
Lube Oil	531	50.0	499.5	0	106	85	115				

Sample ID: **CCB**	SampType: **CCB**	TestCode: **NWTPHDX_S**	Units: **mg/Kg**	Prep Date:	RunNo: **16057**
Client ID: **CCB**	Batch ID: **7819**	TestNo: **NWTPH-Dx**	**SW3545A**	Analysis Date: **7/18/2014**	SeqNo: **210517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	15.0									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID: **CCB** SampType: **CCB** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16057**
Client ID: **CCB** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil	ND	50.0									
Surr: o-Terphenyl	24.8		33.30		74.5	50	150				

Sample ID: **1407119-040ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: RunNo: **16057**
Client ID: **TP25-S-0.5** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/18/2014** SeqNo: **210522**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	17.4						62.36	200	20	RF
Lube Oil	100	58.1						215.4	72.9	20	R,A2

Sample ID: **1407110-026ADUP** SampType: **DUP** TestCode: **NWTPHDX_S** Units: **mg/Kg-dry** Prep Date: **7/17/2014** RunNo: **16057**
Client ID: **ZZZZZZ** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/19/2014** SeqNo: **210528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	42.1	17.1						52.34	21.6	20	RF,A1
Lube Oil	323	57.0						404.7	22.6	20	RA2

Sample ID: **CCV** SampType: **CCV** TestCode: **NWTPHDX_S** Units: **mg/Kg** Prep Date: RunNo: **16057**
Client ID: **CCV** Batch ID: **7819** TestNo: **NWTPH-Dx** **SW3545A** Analysis Date: **7/19/2014** SeqNo: **210530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1050	15.0	999.0	0	105	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **NWTPHDX_S**

Sample ID:	**CCV**	SampType:	**CCV**	TestCode:	**NWTPHDX_S**	Units:	**mg/Kg**	Prep Date:			RunNo:	**16057**	
Client ID:	**CCV**	Batch ID:	**7819**	TestNo:	**NWTPH-Dx**	**SW3545A**		Analysis Date:	**7/19/2014**		SeqNo:	**210530**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil	569	50.0	499.5	0	114	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **CCV-7842**	SampType: **CCV**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16086**
Client ID: **CCV**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	361	20.0	333.4	0	108	80	120				
Bolstar	327	20.0	333.4	0	98.2	80	120				
Chloropyrifos	324	20.0	333.4	0	97.2	80	120				
Coumaphos	321	20.0	333.4	0	96.4	80	120				
DEF	359	20.0	333.4	0	108	80	120				
Demeton-S	295	20.0	333.4	0	88.4	80	120				
Diazinon	328	20.0	333.4	0	98.4	80	120				
Dichlorovos	319	20.0	333.4	0	95.8	80	120				
Dimethoate	315	20.0	333.4	0	94.6	80	120				
Disulfoton	305	20.0	333.4	0	91.4	80	120				
EPN	322	20.0	333.4	0	96.6	80	120				
Ethion	325	20.0	333.4	0	97.6	80	120				
Ethoprop	304	20.0	333.4	0	91.2	80	120				
Fensulfothion	334	20.0	333.4	0	100	80	120				
Fenthion	320	20.0	333.4	0	96.0	80	120				
Malathion	326	20.0	333.4	0	97.8	80	120				
Methyl parathion	305	20.0	333.4	0	91.6	80	120				
Mevinphos	315	20.0	333.4	0	94.4	80	120				
Naled	337	20.0	333.4	0	101	80	120				
Parathion	312	20.0	333.4	0	93.6	80	120				
Phorate	322	20.0	333.4	0	96.6	80	120				
Ronnel	319	20.0	333.4	0	95.6	80	120				
Stirofos	315	20.0	333.4	0	94.6	80	120				
Sulfotepp	303	20.0	333.4	0	90.8	80	120				
Tokuthion	329	20.0	333.4	0	98.8	80	120				
Trichloronate	321	20.0	333.4	0	96.2	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04 **TestCode:** **OPEST_S**

Sample ID: **CCV-7842**	SampType: **CCV**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16086**
Client ID: **CCV**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCS-7842**	SampType: **LCS**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16086**
Client ID: **LCSS**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210929**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	37.3	10.0	66.67	0	56.0	37	150				
Chloropyrifos	44.0	10.0	66.67	0	66.0	48	150				
DEF	45.3	10.0	66.67	0	68.0	42	150				
Dimethoate	15.3	10.0	66.67	0	23.0	22	150				
Disulfoton	22.7	10.0	66.67	0	34.0	33	150				
Fensulfothion	48.0	10.0	66.67	0	72.0	65	150				
Malathion	35.3	10.0	66.67	0	53.0	50	150				
Methyl parathion	34.0	10.0	66.67	0	51.0	50	150				
Parathion	35.3	10.0	66.67	0	53.0	50	150				
Phorate	34.7	10.0	66.67	0	52.0	43	150				

Sample ID: **MB-7842**	SampType: **MBLK**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16086**
Client ID: **PBS**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	ND	250									
Bolstar	ND	20.0									
Chloropyrifos	ND	20.0									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **MB-7842**	SampType: **MBLK**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/21/2014**	RunNo: **16086**
Client ID: **PBS**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/23/2014**	SeqNo: **210930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Coumaphos	ND	100									
DEF	ND	20.0									
Demeton-S	ND	50.0									
Diazinon	ND	50.0									
Dichlorovos	ND	20.0									
Dimethoate	ND	50.0									
Disulfoton	ND	20.0									
EPN	ND	20.0									
Ethion	ND	20.0									
Ethoprop	ND	20.0									
Fensulfothion	ND	100									
Fenthion	ND	20.0									
Malathion	ND	20.0									
Methyl parathion	ND	100									
Mevinphos	ND	100									
Naled	ND	250									
Parathion	ND	50.0									
Phorate	ND	20.0									
Ronnel	ND	20.0									
Stirofos	ND	20.0									
Sulfotepp	ND	20.0									
Tokuthion	ND	20.0									
Trichloronate	ND	20.0									
Surr: Tributylphosphate (Surr.)	34.0		66.67		51.0	50	150				
Surr: Triphenylphosphate (Surr.)	46.7		66.67		70.0	50	150				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **1407110-029AMS** SampType: **MS** TestCode: **OPEST_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16086**
Client ID: **ZZZZZZ** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/23/2014** SeqNo: **210943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	98.2	25.8	86.10	0	114	37	150				
Chloropyrifos	62.9	25.8	86.10	0	73.0	48	150				
DEF	50.8	25.8	86.10	0	59.0	42	150				
Dimethoate	42.2	25.8	86.10	0	49.0	22	150				
Disulfoton	47.4	25.8	86.10	0	55.0	33	150				
Fensulfothion	113	25.8	86.10	0	131	55	150				
Malathion	46.5	25.8	86.10	7.749	45.0	50	150				
Methyl parathion	43.0	25.8	86.10	0	50.0	50	150				
Parathion	48.2	25.8	86.10	0	56.0	50	150				
Phorate	50.8	25.8	86.10	0	59.0	43	150				

Sample ID: **1407110-029AMSD** SampType: **MSD** TestCode: **OPEST_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16086**
Client ID: **ZZZZZZ** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/23/2014** SeqNo: **210944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	92.1	25.8	86.10	0	107	37	150	98.15	6.33	20	
Chloropyrifos	62.9	25.8	86.10	0	73.0	48	150	62.85	0	20	
DEF	71.5	25.8	86.10	0	83.0	42	150	50.80	33.8	20	R
Dimethoate	36.2	25.8	86.10	0	42.0	22	150	42.19	15.4	20	
Disulfoton	47.4	25.8	86.10	0	55.0	33	150	47.35	0	20	
Fensulfothion	101	25.8	86.10	0	117	55	150	112.8	11.3	20	
Malathion	49.1	25.8	86.10	7.749	48.0	50	150	46.49	5.41	20	S
Methyl parathion	47.4	25.8	86.10	0	55.0	50	150	43.05	9.52	20	
Parathion	45.6	25.8	86.10	0	53.0	50	150	48.22	5.50	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **1407110-029AMSD** SampType: **MSD** TestCode: **OPEST_S** Units: **µg/Kg-dry** Prep Date: **7/21/2014** RunNo: **16086**
Client ID: **ZZZZZZ** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/23/2014** SeqNo: **210944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phorate	49.1	25.8	86.10	0	57.0	43	150	50.80	3.45	20	

Sample ID: **CCV-7843** SampType: **CCV** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16091**
Client ID: **CCV** Batch ID: **7843** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211035**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	390	20.0	333.4	0	117	80	120				
Bolstar	319	20.0	333.4	0	95.6	80	120				
Chloropyrifos	285	20.0	333.4	0	85.4	80	120				
Coumaphos	339	20.0	333.4	0	102	80	120				
DEF	299	20.0	333.4	0	89.8	80	120				
Demeton-S	375	20.0	333.4	0	113	80	120				
Diazinon	277	20.0	333.4	0	83.2	80	120				
Dichlorovos	337	20.0	333.4	0	101	80	120				
Dimethoate	353	20.0	333.4	0	106	80	120				
Disulfoton	337	20.0	333.4	0	101	80	120				
EPN	347	20.0	333.4	0	104	80	120				
Ethion	319	20.0	333.4	0	95.6	80	120				
Ethoprop	299	20.0	333.4	0	89.6	80	120				
Fensulfothion	397	20.0	333.4	0	119	80	120				
Fenthion	289	20.0	333.4	0	86.6	80	120				
Malathion	311	20.0	333.4	0	93.4	80	120				
Methyl parathion	314	20.0	333.4	0	94.2	80	120				
Mevinphos	355	20.0	333.4	0	106	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **CCV-7843** SampType: **CCV** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16091**

Client ID: **CCV** Batch ID: **7843** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211035**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naled	399	20.0	333.4	0	120	80	120				
Parathion	308	20.0	333.4	0	92.4	80	120				
Phorate	286	20.0	333.4	0	85.8	80	120				
Ronnel	287	20.0	333.4	0	86.0	80	120				
Stirofos	330	20.0	333.4	0	99.0	80	120				
Sulfotepp	301	20.0	333.4	0	90.2	80	120				
Tokuthion	309	20.0	333.4	0	92.8	80	120				
Trichloronate	283	20.0	333.4	0	85.0	80	120				

Sample ID: **LCS-7843** SampType: **LCS** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: **7/22/2014** RunNo: **16091**

Client ID: **LCSS** Batch ID: **7843** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	64.7	10.0	66.67	0	97.0	37	150				
Chloropyrifos	39.3	10.0	66.67	0	59.0	48	150				
DEF	49.3	10.0	66.67	0	74.0	42	150				
Dimethoate	24.7	10.0	66.67	0	37.0	22	150				
Disulfoton	29.3	10.0	66.67	0	44.0	33	150				
Fensulfothion	72.7	10.0	66.67	0	109	65	150				
Malathion	44.7	10.0	66.67	0	67.0	50	150				
Methyl parathion	37.3	10.0	66.67	0	56.0	50	150				
Parathion	38.7	10.0	66.67	0	58.0	50	150				
Phorate	38.0	10.0	66.67	0	57.0	43	150				

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **MB-7843**	SampType: **MBLK**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/22/2014**	RunNo: **16091**
Client ID: **PBS**	Batch ID: **7843**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/24/2014**	SeqNo: **211037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	ND	250									
Bolstar	ND	20.0									
Chloropyrifos	ND	20.0									
Coumaphos	ND	100									
DEF	ND	20.0									
Demeton-S	ND	50.0									
Diazinon	ND	50.0									
Dichlorovos	ND	20.0									
Dimethoate	ND	50.0									
Disulfoton	ND	20.0									
EPN	ND	20.0									
Ethion	ND	20.0									
Ethoprop	ND	20.0									
Fensulfothion	ND	100									
Fenthion	ND	20.0									
Malathion	ND	20.0									
Methyl parathion	ND	100									
Mevinphos	ND	100									
Naled	ND	250									
Parathion	ND	50.0									
Phorate	ND	20.0									
Ronnel	ND	20.0									
Stirofos	ND	20.0									
Sulfotepp	ND	20.0									
Tokuthion	ND	20.0									
Trichloronate	ND	20.0									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **MB-7843**	SampType: **MBLK**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date: **7/22/2014**	RunNo: **16091**
Client ID: **PBS**	Batch ID: **7843**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/24/2014**	SeqNo: **211037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tributylphosphate (Surr.)	36.0		66.67		54.0	50	150				
Surr: Triphenylphosphate (Surr.)	42.7		66.67		64.0	50	150				

Sample ID: **1407119-031AMS**	SampType: **MS**	TestCode: **OPEST_S**	Units: **µg/Kg-dry**	Prep Date: **7/22/2014**	RunNo: **16091**
Client ID: **TP22-S-0.5**	Batch ID: **7843**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/24/2014**	SeqNo: **211052**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	115	13.0	86.81	0	132	37	150				
Chloropyrifos	60.8	13.0	86.81	0	70.0	48	150				
DEF	73.8	13.0	86.81	0	85.0	42	150				
Dimethoate	59.0	13.0	86.81	0	68.0	22	150				
Disulfoton	42.5	13.0	86.81	0	49.0	33	150				
Fensulfothion	132	13.0	86.81	6.944	144	55	150				
Malathion	65.1	13.0	86.81	0	75.0	50	150				
Methyl parathion	57.3	13.0	86.81	0	66.0	50	150				
Parathion	52.1	13.0	86.81	0	60.0	50	150				
Phorate	53.0	13.0	86.81	0	61.0	43	150				

Sample ID: **1407119-031AMSD**	SampType: **MSD**	TestCode: **OPEST_S**	Units: **µg/Kg-dry**	Prep Date: **7/22/2014**	RunNo: **16091**
Client ID: **TP22-S-0.5**	Batch ID: **7843**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/24/2014**	SeqNo: **211053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	111	13.0	86.81	0	128	37	150	114.6	3.08	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **1407119-031AMSD** SampType: **MSD** TestCode: **OPEST_S** Units: **µg/Kg-dry** Prep Date: **7/22/2014** RunNo: **16091**
Client ID: **TP22-S-0.5** Batch ID: **7843** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloropyrifos	45.1	13.0	86.81	0	52.0	48	150	60.76	29.5	20	R
DEF	70.3	13.0	86.81	0	81.0	42	150	73.78	4.82	20	
Dimethoate	53.8	13.0	86.81	0	62.0	22	150	59.03	9.23	20	
Disulfoton	44.3	13.0	86.81	0	51.0	33	150	42.53	4.00	20	
Fensulfothion	126	13.0	86.81	6.944	137	55	150	131.9	4.71	20	
Malathion	59.9	13.0	86.81	0	69.0	50	150	65.10	8.33	20	
Methyl parathion	51.2	13.0	86.81	0	59.0	50	150	57.29	11.2	20	
Parathion	46.0	13.0	86.81	0	53.0	50	150	52.08	12.4	20	
Phorate	47.7	13.0	86.81	0	55.0	43	150	52.95	10.3	20	

Sample ID: **CCV-7842** SampType: **CCV** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16086**
Client ID: **CCV** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	390	250	333.4	0	117	80	120				
Bolstar	319	20.0	333.4	0	95.6	80	120				
Chloropyrifos	285	20.0	333.4	0	85.4	80	120				
Coumaphos	339	100	333.4	0	102	80	120				
DEF	299	20.0	333.4	0	89.8	80	120				
Demeton-S	375	50.0	333.4	0	113	80	120				
Diazinon	277	50.0	333.4	0	83.2	80	120				
Dichlorovos	337	20.0	333.4	0	101	80	120				
Dimethoate	353	50.0	333.4	0	106	80	120				
Disulfoton	337	20.0	333.4	0	101	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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04 **TestCode:** **OPEST_S**

Sample ID: **CCV-7842** SampType: **CCV** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16086**
Client ID: **CCV** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
EPN	347	20.0	333.4	0	104	80	120				
Ethion	319	20.0	333.4	0	95.6	80	120				
Ethoprop	299	20.0	333.4	0	89.6	80	120				
Fensulfothion	397	100	333.4	0	119	80	120				
Fenthion	289	20.0	333.4	0	86.6	80	120				
Malathion	311	20.0	333.4	0	93.4	80	120				
Methyl parathion	314	100	333.4	0	94.2	80	120				
Mevinphos	355	100	333.4	0	106	80	120				
Naled	399	250	333.4	0	120	80	120				
Parathion	308	50.0	333.4	0	92.4	80	120				
Phorate	286	20.0	333.4	0	85.8	80	120				
Ronnel	287	20.0	333.4	0	86.0	80	120				
Stirofos	330	20.0	333.4	0	99.0	80	120				
Sulfotepp	301	20.0	333.4	0	90.2	80	120				
Tokuthion	309	20.0	333.4	0	92.8	80	120				
Trichloronate	283	20.0	333.4	0	85.0	80	120				

Sample ID: **CCB-7842** SampType: **CCB** TestCode: **OPEST_S** Units: **µg/Kg** Prep Date: RunNo: **16086**
Client ID: **CCB** Batch ID: **7842** TestNo: **SW8270D** **SW 3545A** Analysis Date: **7/24/2014** SeqNo: **211055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphos-methyl	ND	250									
Bolstar	ND	20.0									
Chloropyrifos	ND	20.0									

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 recov

QC SUMMARY REPORT

WO#: **1407119**

Specialty Analytical

28-Aug-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04

TestCode: **OPEST_S**

Sample ID: **CCB-7842**	SampType: **CCB**	TestCode: **OPEST_S**	Units: **µg/Kg**	Prep Date:	RunNo: **16086**
Client ID: **CCB**	Batch ID: **7842**	TestNo: **SW8270D**	**SW 3545A**	Analysis Date: **7/24/2014**	SeqNo: **211055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Coumaphos	ND	100									
DEF	ND	20.0									
Demeton-S	ND	50.0									
Diazinon	ND	50.0									
Dichlorovos	ND	20.0									
Dimethoate	ND	50.0									
Disulfoton	ND	20.0									
EPN	ND	20.0									
Ethion	ND	20.0									
Ethoprop	ND	20.0									
Fensulfothion	ND	100									
Fenthion	ND	20.0									
Malathion	ND	20.0									
Methyl parathion	ND	100									
Mevinphos	ND	100									
Naled	ND	250									
Parathion	ND	50.0									
Phorate	ND	20.0									
Ronnel	ND	20.0									
Stirofos	ND	20.0									
Sulfotepp	ND	20.0									
Tokuthion	ND	20.0									
Trichloronate	ND	20.0									
Surr: Tributylphosphate (Surr.)	36.0		66.67		54.0	50	150				
Surr: Triphenylphosphate (Surr.)	42.7		66.67		64.0	50	150				

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 recov

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 that 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: Seth otto
Company: MFA
Address: 400 E Mill Plain Blvd #400
Vancouver, WA 98660
Phone: 360.694.2691 Fax:
Project No. 9059.07.04 Project Name: Fleischer
Project Site Location OR: WA: X Other:
Invoice To: MFA P.O. No.:

Collected By:
Signature: Emily N. Hess
Printed: Emily N. Hess
Signature: [illegible]
Printed: Kyle Rostlund

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1407119
Shipped Via:
Air Bill No.:
Temperature On Receipt ____ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	NW TPH-Dx Ext	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Herbicides EPA 8151	Org. Cl. Pest 8081B	Org. P. Pest 8270D				Comments	Lab I.D.
07/16/14	0707	TP13-S-0.5	S	3	X	X	X	X	X	X	X					1
	0715	TP13-S-1.5			X	X	X	X								2
	0720	TP13-S-5.5			X											3
	0724	TP13-S-7.5														4
	0743	TP14-S-0.5			X				X	X	X					5
	0748	TP14-S-4.5			X											6
	0752	TP14-S-7.5														7
	0810	TP15-S-0.5			X											8
	0812	TP15-S-1.75			X	X	X	X	X	X	X					9
	0817	TP15-S-6.0			X											10
	0822	TP15-S-8.0														11
	0840	TP16-S-0.5			X	X	X	X	X	X	X					12

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/17/14	0945	Company:	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:	Date	Time
Cindy Hellyard	7/17/14	1050

Copies: White-Original Yellow-Project File Pink-Customer Copy

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: -Same-
Company: MFA
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: Other:
Invoice To: P.O. No.:

Collected By:
Signature: Emily N. Hess
Printed: Emily N. Hess
Signature: [illegible]
Printed: Kyle Rosland

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1407119
Shipped Via:
Air Bill No.:
Temperature On Receipt ____ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	AW TPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Org. P. Pest. 8270D				Comments	Lab I.D.
07/16/14	0845	TP16-S-4.0	S	3												13
	0855	TP16-S-6.5														14
	0912	TP17-S-0.5			X											15
	0917	TP17-S-1.25			X	X	X	X	X	X	X					16
	0922	TP17-S-4.5			X											17
	0927	TP17-S-7.0														18
	0945	TP18-S-0.5			X	X	X	X	X	X	X					19
	0954	TP18-S-4.0														20
	1000	TP18-S-7.0														21
	1020	TP19-S-0.5			X				X	X	X					22
	1025	TP19-S-4.5														23
	1030	TP19-S-6.5														24

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
[illegible]	7/17/14	0940				
Company: MFA			Company:	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:	Date	Time
Cindy Hellgard	7/17/14	1050

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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: -Same-
Company: MFA
Address:
Phone: 360.694.2691 Fax:
Project No. Project Name
Project Site Location OR WA Other
Invoice To P.O. No.

Collected By: Emily N. Hess
Signature: Emily N. Hess
Printed: EMILY N HESS
Signature: [illegible]
Printed: Kyle Rosland

Turn Around Time
☐ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. K07119
Shipped Via
Air Bill No.
Temperature On Receipt ____ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	NWTPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn Hg EPA 7471	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Org. P. Pest. 8270D				Comments	Lab I.D.
07/16/14	1040	TP20-S-0.5	S	3	X	X	X	X	X	X	X				25
	1045	TP20-S-4.5													26
	1050	TP20-S-7.0													27
	1105	TP21-S-0.5			X	X	X	X	X	X	X				28
	1110	TP21-S-5.0			X										29
	1115	TP21-S-7.0													30
	1130	TP22-S-0.5			X	X	X	X	X	X	X				31
	1135	TP22-S-5.0													32
	1140	TP22-S-7.0													33
	1155	TP23-S-0.5			X	X	X	X	X	X	X				34
	1200	TP23-S-4.5			X										35
	1205	TP23-S-6.5													36

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/17/14	0740	Company:	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: Cindy Ward — Date 7/17/14 — Time 10:50

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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: -Same-
Company: MFA
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: Other:
Invoice To: P.O. No.:

Collected By: Emily N. Hess
Signature: Emily N. Hess
Printed: Emily N. Hess
Signature: [illegible]
Printed: Kyle Roslund

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 407119
Shipped Via:
Air Bill No.:
Temperature On Receipt ____ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	NWTPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Fe, Mn	Ammonia	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Org. P. Pest. 8270D		Comments	Lab I.D.
07/16/14	1312	TP24-S-0.5	S	3	X	X	X	X			X	X	X			37
	1317	TP24-S-4.5														38
	1322	TP24-S-6.5														39
	1330	TP25-S-0.5			X	X	X	X			X	X	X			40
	1335	TP25-S-4.5			X											41
	1340	TP25-S-7.0														42
	1353	TP26-S-0.5			X	X	X	X	X	X	X	X	X			43
	1400	TP26-S-5.0			X											44
	1405	TP26-S-7.0														45
	1420	TP27-S-0.5			X	X	X	X	X	X	X	X	X			46
	1426	TP27-S-5.5			X											47
	1433	TP27-S-8.5			X											48

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/17/14	0948	Company:	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: Cindy Hillegard — Date: 7/17/14 — Time: 10:50

Copies: White-Original Yellow-Project File Pink-Customer Copy

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: -same-
Company: MFA
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: Other:
Invoice To: P.O. No.:

Collected By:
Signature: Emily N. Hess
Printed: EMILY N. HESS
Signature:
Printed: Kyle Rustund

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush _____
Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. K07119
Shipped Via:
Air Bill No.:
Temperature On Receipt ____ °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs EPA 8082	NWTPH-Dx Ext.	As, Cr, Cu, Pb, Ni, Zn	Hg EPA 7471	Fe, Mn	Ammonia	Herbicides EPA 8151	Org. Cl. Pest. 8081B	Chlor. P. Pest. 8270D	Comments	Lab I.D.
07/16/14	1445	TP28-S-0.5	S	3	X				X	X	X	X	X		49
	1452	TP28-S-5.0													50
	1456	TP28-S-8.0													51
	1510	TP29-S-0.5			X	X	X	X	X	X	X	X	X		52
	1516	TP29-S-3.5			X										53
	1522	TP29-S-7.5			X										54
	1536	TP30-S-0.5			X				X	X	X	X	X		55
	1541	TP30-S-4.0			X										56
	1544	TP30-S-7.0													57
	1510	TP-S-0.5DUP			X	X	X	X	X	X	X	X	X		58
															~~59~~
															~~60~~

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	7/17/14	0940	Company:	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: Cindy Hillgard — Date: 7/17/14 — Time: 10:50

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Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

October 20, 2014

Kyle Roslund
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660

TEL: (360) 694-2691
FAX (360) 906-1958

RE: Fleischer / 9059.07.04-01-G

Dear Kyle Roslund: Order No.: 1410008

Specialty Analytical received 37 sample(s) on 10/2/2014 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,

Marty French
Lab Director

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-001 **Collection Date:** 10/1/2014 1:10:00 PM
Client Sample ID: TP47-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-002 **Collection Date:** 10/1/2014 11:38:00 AM
Client Sample ID: TP53-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-003 **Collection Date:** 10/1/2014 12:21:00 PM
Client Sample ID: TP50-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-004 **Collection Date:** 10/1/2014 1:00:00 PM
Client Sample ID: TP46-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1221	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1232	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1242	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1248	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1254	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1260	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1262	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Aroclor 1268	ND	0.385		µg/Kg-dry	1	10/16/2014 8:28:00 PM
Surr: Decachlorobiphenyl	88.0	56.5-130		%REC	1	10/16/2014 8:28:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-005 **Collection Date:** 10/1/2014 1:39:00 PM
Client Sample ID: TP44-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-006 **Collection Date:** 10/1/2014 2:10:00 PM
Client Sample ID: TP41-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-007 **Collection Date:** 10/1/2014 2:40:00 PM
Client Sample ID: TP38-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1221	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1232	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1242	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1248	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1254	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1260	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1262	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Aroclor 1268	ND	0.383		µg/Kg-dry	1	10/7/2014 3:26:00 PM
Surr: Decachlorobiphenyl	73.7	56.5-130		%REC	1	10/7/2014 3:26:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-008 **Collection Date:** 10/1/2014 11:17:00 AM
Client Sample ID: TP52-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1221	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1232	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1242	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1248	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1254	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1260	31.9	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1262	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Aroclor 1268	ND	0.358		µg/Kg-dry	1	10/16/2014 8:45:00 PM
Surr: Decachlorobiphenyl	72.0	56.5-130		%REC	1	10/16/2014 8:45:00 PM

Lab ID: 1410008-009 **Collection Date:** 10/1/2014 12:06:00 PM
Client Sample ID: TP49-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-010 **Collection Date:** 10/1/2014 12:46:00 PM
Client Sample ID: TP-S-DUP **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Aroclor 1221	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Aroclor 1232	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Aroclor 1242	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Aroclor 1248	9840	38.2		µg/Kg-dry	100	10/9/2014 2:22:00 PM
Aroclor 1254	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Aroclor 1260	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Aroclor 1262	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Aroclor 1268	ND	0.382		µg/Kg-dry	1	10/7/2014 3:43:00 PM
Surr: Decachlorobiphenyl	88.2	56.5-130		%REC	1	10/7/2014 3:43:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-011 **Collection Date:** 10/1/2014 1:36:00 PM
Client Sample ID: TP43-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Aroclor 1221	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Aroclor 1232	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Aroclor 1242	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Aroclor 1248	605	3.65		µg/Kg-dry	10	10/17/2014 2:21:00 AM
Aroclor 1254	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Aroclor 1260	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Aroclor 1262	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Aroclor 1268	ND	0.365		µg/Kg-dry	1	10/16/2014 9:02:00 PM
Surr: Decachlorobiphenyl	125	56.5-130		%REC	1	10/16/2014 9:02:00 PM

Lab ID: 1410008-012 **Collection Date:** 10/1/2014 2:00:00 PM
Client Sample ID: TP40-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1221	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1232	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1242	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1248	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1254	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1260	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1262	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Aroclor 1268	ND	0.359		µg/Kg-dry	1	10/16/2014 9:18:00 PM
Surr: Decachlorobiphenyl	61.1	56.5-130		%REC	1	10/16/2014 9:18:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-013
Client Sample ID: TP37-S-0.5

Collection Date: 10/1/2014 2:30:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1221	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1232	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1242	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1248	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1254	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1260	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1262	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Aroclor 1268	ND	0.362		µg/Kg-dry	1	10/7/2014 3:59:00 PM
Surr: Decachlorobiphenyl	81.2	56.5-130		%REC	1	10/7/2014 3:59:00 PM

Lab ID: 1410008-014
Client Sample ID: TP51-S-0.5

Collection Date: 10/1/2014 10:55:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Aroclor 1221	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Aroclor 1232	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Aroclor 1242	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Aroclor 1248	40300	73.6		µg/Kg-dry	200	10/9/2014 2:39:00 PM
Aroclor 1254	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Aroclor 1260	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Aroclor 1262	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Aroclor 1268	ND	0.368		µg/Kg-dry	1	10/7/2014 4:16:00 PM
Surr: Decachlorobiphenyl	79.7	56.5-130		%REC	1	10/7/2014 4:16:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-015
Client Sample ID: TP48-S-0.5
Collection Date: 10/1/2014 11:52:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Aroclor 1221	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Aroclor 1232	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Aroclor 1242	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Aroclor 1248	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Aroclor 1254	11.9	0.356		µg/Kg-dry	1	10/9/2014 11:00:00 AM
Aroclor 1260	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Aroclor 1262	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Aroclor 1268	ND	0.356		µg/Kg-dry	1	10/7/2014 4:33:00 PM
Surr: Decachlorobiphenyl	80.8	56.5-130		%REC	1	10/7/2014 4:33:00 PM

Lab ID: 1410008-016
Client Sample ID: TP45-S-0.5
Collection Date: 10/1/2014 12:46:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Aroclor 1221	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Aroclor 1232	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Aroclor 1242	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Aroclor 1248	10800	37.6		µg/Kg-dry	100	10/9/2014 2:56:00 PM
Aroclor 1254	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Aroclor 1260	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Aroclor 1262	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Aroclor 1268	ND	0.376		µg/Kg-dry	1	10/7/2014 4:50:00 PM
Surr: Decachlorobiphenyl	107	56.5-130		%REC	1	10/7/2014 4:50:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-017
Client Sample ID: TP42-S-0.5
Collection Date: 10/1/2014 1:28:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Aroclor 1221	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Aroclor 1232	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Aroclor 1242	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Aroclor 1248	118000	189		µg/Kg-dry	500	10/9/2014 3:12:00 PM
Aroclor 1254	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Aroclor 1260	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Aroclor 1262	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Aroclor 1268	ND	0.378		µg/Kg-dry	1	10/7/2014 5:07:00 PM
Surr: Decachlorobiphenyl	119	56.5-130		%REC	1	10/7/2014 5:07:00 PM

Lab ID: 1410008-018
Client Sample ID: TP39-S-0.5
Collection Date: 10/1/2014 1:54:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Aroclor 1221	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Aroclor 1232	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Aroclor 1242	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Aroclor 1248	19600	96.2		µg/Kg-dry	250	10/9/2014 3:29:00 PM
Aroclor 1254	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Aroclor 1260	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Aroclor 1262	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Aroclor 1268	ND	0.385		µg/Kg-dry	1	10/7/2014 5:23:00 PM
Surr: Decachlorobiphenyl	230	56.5-130	SMI	%REC	1	10/7/2014 5:23:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-019 **Collection Date:** 10/1/2014 2:20:00 PM
Client Sample ID: TP36-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Aroclor 1221	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Aroclor 1232	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Aroclor 1242	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Aroclor 1248	4.04	0.362		µg/Kg-dry	1	10/9/2014 12:58:00 PM
Aroclor 1254	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Aroclor 1260	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Aroclor 1262	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Aroclor 1268	ND	0.362		µg/Kg-dry	1	10/7/2014 5:40:00 PM
Surr: Decachlorobiphenyl	87.2	56.5-130		%REC	1	10/7/2014 5:40:00 PM

Lab ID: 1410008-020 **Collection Date:** 10/1/2014 12:30:00 PM
Client Sample ID: TP49-S-1.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-021 **Collection Date:** 10/1/2014 12:10:00 PM
Client Sample ID: TP53-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-022 **Collection Date:** 10/1/2014 1:34:00 PM
Client Sample ID: TP42-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Aroclor 1221	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Aroclor 1232	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Aroclor 1242	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Aroclor 1248	3930	7.20		µg/Kg-dry	20	10/17/2014 2:38:00 AM
Aroclor 1254	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Aroclor 1260	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Aroclor 1262	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Aroclor 1268	ND	0.360		µg/Kg-dry	1	10/16/2014 9:35:00 PM
Surr: Decachlorobiphenyl	77.4	56.5-130		%REC	1	10/16/2014 9:35:00 PM

Lab ID: 1410008-023 **Collection Date:** 10/1/2014 1:44:00 PM
Client Sample ID: TP43-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-024 **Collection Date:** 10/1/2014 1:49:00 PM
Client Sample ID: TP44-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-025 **Collection Date:** 10/1/2014 1:13:00 PM
Client Sample ID: TP46-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-026 **Collection Date:** 10/1/2014 12:21:00 PM
Client Sample ID: TP48-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-027 **Collection Date:** 10/1/2014 12:41:00 PM
Client Sample ID: TP50-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-028 **Collection Date:** 10/1/2014 2:03:00 PM
Client Sample ID: TP39-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Aroclor 1221	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Aroclor 1232	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Aroclor 1242	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Aroclor 1248	434	3.79		µg/Kg-dry	10	10/17/2014 2:54:00 AM
Aroclor 1254	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Aroclor 1260	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Aroclor 1262	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Aroclor 1268	ND	0.379		µg/Kg-dry	1	10/16/2014 9:52:00 PM
Surr: Decachlorobiphenyl	68.6	56.5-130		%REC	1	10/16/2014 9:52:00 PM

Lab ID: 1410008-029 **Collection Date:** 10/1/2014 1:20:00 PM
Client Sample ID: TP47-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-030
Client Sample ID: TP45-S-2.5
Collection Date: 10/1/2014 1:03:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Aroclor 1221	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Aroclor 1232	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Aroclor 1242	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Aroclor 1248	818	3.65		µg/Kg-dry	10	10/17/2014 3:11:00 AM
Aroclor 1254	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Aroclor 1260	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Aroclor 1262	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Aroclor 1268	ND	0.365		µg/Kg-dry	1	10/16/2014 10:09:00 PM
Surr: Decachlorobiphenyl	96.3	56.5-130		%REC	1	10/16/2014 10:09:00 PM

Lab ID: 1410008-031
Client Sample ID: TP51-S-2.0
Collection Date: 10/1/2014 12:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Aroclor 1221	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Aroclor 1232	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Aroclor 1242	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Aroclor 1248	2840	3.69		µg/Kg-dry	10	10/17/2014 3:28:00 AM
Aroclor 1254	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Aroclor 1260	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Aroclor 1262	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Aroclor 1268	ND	0.369		µg/Kg-dry	1	10/16/2014 10:26:00 PM
Surr: Decachlorobiphenyl	65.5	56.5-130		%REC	1	10/16/2014 10:26:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-032 **Collection Date:** 10/1/2014 2:52:00 PM
Client Sample ID: TP31-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Aroclor 1221	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Aroclor 1232	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Aroclor 1242	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Aroclor 1248	69.4	0.363		µg/Kg-dry	1	10/9/2014 1:15:00 PM
Aroclor 1254	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Aroclor 1260	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Aroclor 1262	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Aroclor 1268	ND	0.363		µg/Kg-dry	1	10/7/2014 5:57:00 PM
Surr: Decachlorobiphenyl	76.0	56.5-130		%REC	1	10/7/2014 5:57:00 PM

Lab ID: 1410008-033 **Collection Date:** 10/1/2014 2:13:00 PM
Client Sample ID: TP40-S-2.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		**PER CLIENT**				Analyst: **clh**
Hold	Hold	0			1	10/14/2014

Lab ID: 1410008-034 **Collection Date:** 10/1/2014 2:35:00 PM
Client Sample ID: TP35-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Aroclor 1221	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Aroclor 1232	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Aroclor 1242	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Aroclor 1248	43.1	0.349		µg/Kg-dry	1	10/9/2014 1:32:00 PM
Aroclor 1254	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Aroclor 1260	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Aroclor 1262	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Aroclor 1268	ND	0.349		µg/Kg-dry	1	10/7/2014 6:14:00 PM
Surr: Decachlorobiphenyl	93.5	56.5-130		%REC	1	10/7/2014 6:14:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-035 **Collection Date:** 10/1/2014 2:44:00 PM
Client Sample ID: TP33-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1221	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1232	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1242	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1248	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1254	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1260	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1262	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Aroclor 1268	ND	0.337		µg/Kg-dry	1	10/7/2014 6:31:00 PM
Surr: Decachlorobiphenyl	70.2	56.5-130		%REC	1	10/7/2014 6:31:00 PM

Lab ID: 1410008-036 **Collection Date:** 10/1/2014 2:40:00 PM
Client Sample ID: TP34-S-0.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Aroclor 1221	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Aroclor 1232	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Aroclor 1242	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Aroclor 1248	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Aroclor 1254	9.55	0.347		µg/Kg-dry	1	10/9/2014 1:48:00 PM
Aroclor 1260	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Aroclor 1262	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Aroclor 1268	ND	0.347		µg/Kg-dry	1	10/7/2014 6:48:00 PM
Surr: Decachlorobiphenyl	80.5	56.5-130		%REC	1	10/7/2014 6:48:00 PM

Specialty Analytical

Date Reported: 20-Oct-14

CLIENT: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

Lab Order: 1410008

Lab ID: 1410008-037
Client Sample ID: TP32-S-0.5

Collection Date: 10/1/2014 2:47:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCB'S IN SOLIDS		**SW 8082A**				Analyst: **JRC**
Aroclor 1016	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Aroclor 1221	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Aroclor 1232	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Aroclor 1242	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Aroclor 1248	18.7	0.401		µg/Kg-dry	1	10/9/2014 2:05:00 PM
Aroclor 1254	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Aroclor 1260	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Aroclor 1262	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Aroclor 1268	ND	0.401		µg/Kg-dry	1	10/7/2014 7:04:00 PM
Surr: Decachlorobiphenyl	74.3	56.5-130		%REC	1	10/7/2014 7:04:00 PM

QC SUMMARY REPORT

WO#: **1410008**

Specialty Analytical

20-Oct-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04-01-G

TestCode: **8082LL_S**

Sample ID: **CCV** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **17205**

Client ID: **CCV** Batch ID: **8294** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/7/2014** SeqNo: **225759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	76.0	0.333	66.67	0	114	85	115				

Sample ID: **MB-8294** SampType: **MBLK** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **10/6/2014** RunNo: **17205**

Client ID: **PBS** Batch ID: **8294** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/7/2014** SeqNo: **225760**

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	5980		6667		89.7	56.5	130				

Sample ID: **LCS-8294** SampType: **LCS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **10/6/2014** RunNo: **17205**

Client ID: **LCSS** Batch ID: **8294** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/7/2014** SeqNo: **225761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	66.4	0.333	66.67	0	99.6	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 recov

QC SUMMARY REPORT

WO#: **1410008**

Specialty Analytical

20-Oct-14

Client: Maul Foster & Alongi
Project: Fleischer / 9059.07.04-01-G

TestCode: **8082LL_S**

Sample ID: **LCSD-8294** SampType: **LCSD** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **10/6/2014** RunNo: **17205**
Client ID: **LCSS02** Batch ID: **8294** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/7/2014** SeqNo: **225762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	67.3	0.333	66.67	0	101	44.3	137	66.40	1.41	20	

Sample ID: **1410008-007AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **10/6/2014** RunNo: **17205**
Client ID: **TP38-S-0.5** Batch ID: **8294** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/7/2014** SeqNo: **225763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	80.2	0.383	76.61	0	105	56.6	123				

Sample ID: **1410008-007AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg-dry** Prep Date: **10/6/2014** RunNo: **17205**
Client ID: **TP38-S-0.5** Batch ID: **8294** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/7/2014** SeqNo: **225764**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	75.0	0.383	76.61	0	98.0	56.6	123	80.18	6.61	20	

Sample ID: **CCV 1254@1** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **17205**
Client ID: **CCV** Batch ID: **8294** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/9/2014** SeqNo: **225937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recov

QC SUMMARY REPORT

WO#: **1410008**

Specialty Analytical

20-Oct-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04-01-G

TestCode: **8082LL_S**

Sample ID: **CCB**	SampType: **CCB**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **17205**
Client ID: **CCB**	Batch ID: **8294**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **10/9/2014**	SeqNo: **225938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	ND	0.333									
Aroclor 1254	ND	0.333									

Sample ID: **CCV 1254@1**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **17205**
Client ID: **CCV**	Batch ID: **8294**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **10/9/2014**	SeqNo: **225952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	59.1	0.333	66.67	0	88.6	85	115				

Sample ID: **CCV 1016/1260@1**	SampType: **CCV**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date:	RunNo: **17321**
Client ID: **CCV**	Batch ID: **8331**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **10/16/2014**	SeqNo: **227380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	68.6	0.333	66.67	0	103	85	115				
Aroclor 1248	66.7	0.333	66.67	0	100	85	115				

Sample ID: **MB-8331**	SampType: **MBLK**	TestCode: **8082LL_S**	Units: **µg/Kg**	Prep Date: **10/15/2014**	RunNo: **17321**
Client ID: **PBS**	Batch ID: **8331**	TestNo: **SW 8082A**	**3545_8082LL**	Analysis Date: **10/16/2014**	SeqNo: **227381**

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									

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 recov

QC SUMMARY REPORT

WO#: **1410008**

Specialty Analytical

20-Oct-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04-01-G

TestCode: **8082LL_S**

Sample ID: **MB-8331** SampType: **MBLK** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **10/15/2014** RunNo: **17321**

Client ID: **PBS** Batch ID: **8331** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/16/2014** SeqNo: **227381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	4950		6667		74.2	56.5	130				

Sample ID: **LCS-8331** SampType: **LCS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **10/15/2014** RunNo: **17321**

Client ID: **LCSS** Batch ID: **8331** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/16/2014** SeqNo: **227382**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	62.2	0.333	66.67	0	93.3	44.3	137				

Sample ID: **CCV 1248@1** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **17321**

Client ID: **CCV** Batch ID: **8331** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/17/2014** SeqNo: **227400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	65.9	0.333	66.67	0	98.9	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 recov

QC SUMMARY REPORT

WO#: **1410008**

Specialty Analytical

20-Oct-14

Client: Maul Foster & Alongi

Project: Fleischer / 9059.07.04-01-G

TestCode: **8082LL_S**

Sample ID: **CCV 1248@1** SampType: **CCV** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: RunNo: **17321**

Client ID: **CCV** Batch ID: **8331** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/17/2014** SeqNo: **227406**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	64.0	0.333	66.67	0	96.0	85	115				

Sample ID: **1410091-002AMS** SampType: **MS** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **10/15/2014** RunNo: **17321**

Client ID: **ZZZZZZ** Batch ID: **8331** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/16/2014** SeqNo: **227434**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	164	0.333	66.67	0	246	56.6	123				SMI

Sample ID: **1410091-002AMSD** SampType: **MSD** TestCode: **8082LL_S** Units: **µg/Kg** Prep Date: **10/15/2014** RunNo: **17321**

Client ID: **ZZZZZZ** Batch ID: **8331** TestNo: **SW 8082A** **3545_8082LL** Analysis Date: **10/16/2014** SeqNo: **227435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	91.1	0.333	66.67	0	137	56.6	123	164.2	57.3	20	SRMI

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 recov

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 that 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: Kyle Rosland krosland@maulfoster.com
Company: Maul Foster Alongi, Inc
Address: 400 E. Mill Plain Blvd, Vancouver, WA
Phone: 503-341-8112 Fax:
Project No. 9059.07.04-016 Project Name: Fleischer
Project Site Location OR ___ WA X Other ___
Invoice To: MFA P.O. No.

Collected By: Kyle Rosland
Signature: [signature]
Printed:
Signature: [signature]
Printed:

Turn Around Time
☑ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1410008
Shipped Via: Specialty
Air Bill No.
Temperature On Receipt 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: RCRA by EPA 8082									Comments	Lab I.D.
10/1/2014	1310	TP47-S-0.5	S	1										hold	1
	1138	TP53-S-0.5		1										hold	2
	1221	TP50-S-0.5		1										hold	3
	1300	TP46-S-0.5		1	X									hold	4
	1339	TP44-S-0.5		1										hold	5
	1410	TP41-S-0.5		1										hold	6
	1440	TP38-S-0.5		1	X										7
	1117	TP52-S-0.5		1	X									hold	8
	1206	TP49-S-0.5		1										hold	9
	1246	TP-S-DUP		1	X										10
	1336	TP43-S-0.5		1	X									hold	11
	1400	TP40-S-0.5		1	X									hold	12

Relinquished By	Date	Time	Received By	Relinquished By	Date	Time
Company: MFA	10/1/14	1630	Company:	Company:	10/2/14	1450

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: Nikki Bippes Date 10/2/14 Time 1450

Copies: White-Original Yellow-Project File Pink-Customer Copy

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: SAME
Company:
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: Other:
Invoice To: P.O. No.:

Collected By: Kyle Rustand
Signature:
Printed:
Signature:
Printed: SHARLENE HARVEY

Turn Around Time
☑ Normal 5-7 Business Days
☐ Rush _____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. H10008
Shipped Via: Specialty
Air Bill No.:
Temperature On Receipt: 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs by EPA 8082	Comments	Lab I.D.
10/1/2014	1430	TP37-S-0.5	S	1	X		13
	1055	TP51-S-0.5			X		14
	1152	TP48-S-0.5			X		15
	1246	TP45-S-0.5			X		16
	1328	TP42-S-0.5			X		17
	1354	TP39-S-0.5			X		18
	1420	TP36-S-0.5			X		19
	1230	TP49-S-1.0				Hold	20
	1210	TP53-S-2.0				Hold	21
	1334	TP42-S-2.0			X	Hold	22
	1344	TP43-S-2.0				Hold	23
	1349	TP44-S-2.0				Hold	24

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: MFA	10/1/14	1630	Company:	Company:	10/2/14	1450

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: Nikki Rappes — Date: 10/2/14 — Time: 1450

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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: SAME
Company:
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: Other:
Invoice To: P.O. No.:

Collected By: Kyle Rooslund
Signature:
Printed:
Signature:
Printed: SHARLENE HARVESTER

Turn Around Time
☐ Normal 5-7 Business Days
☐ Rush _____
Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1410008
Shipped Via: Specialty
Air Bill No.:
Temperature On Receipt 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	PCBs by EPA 8082	Comments	Lab I.D.
10/1/2014	1313	TP46-S-2.0	S	1		hold	25
	1221	TP42-S-2.0				hold	26
	1241	TP50-S-2.0				hold	27
	1403	TP39-S-2.0			⊗	hold	28
	1320	TP47-S-2.0				hold	29
	1303	TP45-S-2.5			⊗	hold	30
	1200	TP51-S-2.0			⊗	hold	31
	1452	TP31-S-0.5			X		32
	1418	TP40-S-2.0				hold	33
	1435	TP35-S-0.5			X		34
	1444	TP33-S-0.5			X		35
	1440	TP34-S-0.5			X		36

Relinquished By	Date	Time	Received By	Relinquished By	Date	Time
Company: MFA	10/1/14	1630	Company:	Company:	10/2/14	1450

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: Nikki Bupper — Date: 10/2/14 — Time: 1450

Copies: White-Original Yellow-Project File Pink-Customer Copy

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: SAME
Company:
Address:
Phone: Fax:
Project No.: Project Name:
Project Site Location OR: WA: X Other:
Invoice To: P.O. No.:

Collected By: Kyle Rosland
Signature:
Printed:
Signature:
Printed: SMARTLEAVE HARVESTER

Turn Around Time
☐ Normal 5-7 Business Days
☐ Rush _____
Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. A10008
Shipped Via: Specialty
Air Bill No.:
Temperature On Receipt: 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: X PCBs by EPA 8082	Comments	Lab I.D.
10/1/14	1447	TP32-5-0.5	S	1	X		37

Relinquished By	Date	Time	Received By	Relinquished By	Date	Time
Company: MPA	10/1/14	1630	Company:	Company:	10/2/14	1450

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: Nikki Pappas — Date: 10/2/14 — Time: 1450

Copies: White-Original Yellow-Project File Pink-Customer Copy

APPENDIX C

DATA VALIDATION MEMORANDUM

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NUMBER 9059.07.04 | OCTOBER 21, 2014 | FLEISCHER PROPERTIES

This report reviews the analytical results for soil samples collected by the Maul Foster & Alongi, Inc. (MFA) project team on the properties located at 9109 and 9115 Northeast 94th Avenue, Vancouver, Washington. The samples were collected in July and October, 2014.

Specialty Analytical Inc. (SA) performed the analyses. SA report numbers 1407110, 1407119rev1, and 1410008 were reviewed. The analyses performed are listed below. Some analyses may not have been performed on all samples. Data validation tracking sheets associated with the analyses, documenting data review, are attached.

Analysis	Reference
Ammonia as Nitrogen	USEPA 350.1
Chlorinated Herbicides	USEPA 8151A
Diesel- and Lube-Oil-Range Organic Hydrocarbons	NWTPH-Dx
Organochlorine Pesticides	USEPA 8081B
Organophosphorus Pesticides	USEPA 8270D
PCBs	USEPA 8082A
Total Mercury	USEPA 7471B
Total Metals	USEPA 6020A

NWTPH = Northwest Total Petroleum Hydrocarbons.
PCB = polychlorinated biphenyl.
USEPA = U.S. Environmental Protection Agency.

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2008, 2010) and appropriate laboratory and method-specific guidelines (SA, 2014; USEPA, 1986).

Data validation procedures were modified, as appropriate, to accommodate quality-control requirements for methods not specifically addressed by the USEPA procedures (e.g., NWTPH-Dx analysis).

In reports 1407110 and 1407119rev1, some NWTPH-Dx diesel- and lube-oil-range results were identified by the laboratory as containing compounds not identified as specific hydrocarbon products. In report 1407110, sample TP02-S-0.5 was identified by the laboratory as biased high because of high concentrations of lube-oil-range hydrocarbons. These results were quantified using the appropriate calibration standards. Results were qualified with "J" as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1407110	TP02-S-0.5	Diesel Range	138	138 J
1407110	TP03-S-0.5	Lube Oil Range	67.0	67.0 J
1407110	TP04-S-0.25	Diesel Range	85.7	85.7 J
1407110	TP04-S-0.25	Lube Oil Range	659	659 J
1407110	TP06-S-0.5	Diesel Range	111	111 J
1407110	TP06-S-0.5	Lube Oil Range	386	386 J
1407110	TP07-S-0.25	Diesel Range	149	149 J
1407110	TP07-S-0.25	Lube Oil Range	825	825 J
1407110	TP10-S-0.5	Diesel Range	98.8	98.8 J
1407110	TP10-S-0.5	Lube Oil Range	359	359 J
1407110	TP-S-0.5DUP	Diesel Range	78.2	78.2 J
1407110	TP-S-0.5DUP	Lube Oil Range	232	232 J
1407110	TP12-S-0.5	Lube Oil Range	85.2	85.2 J
1407119rev1	TP13-S-1.5	Diesel Range	25.8	25.8 J
1407119rev1	TP13-S-1.5	Lube Oil Range	91.7	91.7 J
1407119rev1	TP15-S-1.75	Diesel Range	65.7	65.7 J
1407119rev1	TP15-S-1.75	Lube Oil Range	201	201 J
1407119rev1	TP16-S-0.5	Lube Oil Range	82.2	82.2 J
1407119rev1	TP17-S-1.25	Diesel Range	59.7	59.7 J
1407119rev1	TP17-S-1.25	Lube Oil Range	165	165 J
1407119rev1	TP18-S-0.5	Lube Oil Range	79.4	79.4 J
1407119rev1	TP20-S-0.5	Diesel Range	22.6	22.6 J
1407119rev1	TP20-S-0.5	Lube Oil Range	105	105 J
1407119rev1	TP21-S-0.5	Diesel Range	37.5	37.5 J
1407119rev1	TP21-S-0.5	Lube Oil Range	162	162 J
1407119rev1	TP23-S-0.5	Diesel Range	23.2	23.2 J
1407119rev1	TP23-S-0.5	Lube Oil Range	104	104 J
1407119rev1	TP24-S-0.5	Lube Oil Range	104	104 J
1407119rev1	TP25-S-0.5	Diesel Range	62.4	62.4 J
1407119rev1	TP25-S-0.5	Lube Oil Range	215	215 J

mg/kg = milligrams per kilogram.

The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

In report 1407119rev1, USEPA Method 8082A extraction of samples TP27-S-8.5, TP29-S-7.5, and TP-S-0.5DUP was performed after the recommended 14-day holding time. The target analytes, PCB Aroclors, are relatively stable; thus, no results are qualified.

All remaining 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. All laboratory method blanks were non-detect to method reporting limits (MRLs).

Continuing Calibration Blanks

Continuing calibration blanks (CCBs) were provided for some analyses. All CCBs were non-detect to MRLs.

Trip Blanks

Trip blanks were not required for this sampling event because samples were not analyzed for volatile organic compounds.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples. The laboratory appropriately documented and qualified surrogate outliers. For samples with surrogate outliers, associated batch quality assurance and quality control (QC) were within acceptance limits.

In reports 1407110 and 1407119rev1, USEPA Method 8081B surrogate tetrachloro-m-xylene results were low and below lower percent recovery acceptance limits for most samples. The remaining surrogate, decachlorobiphenyl, had acceptable percent recoveries for most samples. The laboratory stated in the case narrative that the low surrogate recoveries were due to cleanup processes necessary to reduce interferences caused by PCB compounds. The laboratory also stated that laboratory control sample (LCS) and other QC results demonstrated that the data are acceptable. All USEPA Method 8081B results are non-detect and have been accepted by the reviewer, based on the laboratory statement of usability. All samples were associated with low tetrachloro-m-xylene surrogate results (less than 30 percent); the samples are indicated in the table below, and all associated results have been qualified "UJ" as estimated.

Report	Sample	Report	Sample
1407110	TP01-S-0.5	1407119rev1	TP13-S-0.5
1407110	TP02-S-0.5	1407119rev1	TP14-S-0.5

Report	Sample	Report	Sample
1407110	TP03-S-0.5	1407119rev1	TP15-S-1.75
1407110	TP04-S-1.0	1407119rev1	TP16-S-0.5
1407110	TP05-S-0.5	1407119rev1	TP17-S-1.25
1407110	TP06-S-0.5	1407119rev1	TP18-S-0.5
1407110	TP07-S-1.0	1407119rev1	TP19-S-0.5
1407110	TP08-S-0.5	1407119rev1	TP20-S-0.5
1407110	TP09-S-0.5	1407119rev1	TP21-S-0.5
1407110	TP10-S-1.5	1407119rev1	TP22-S-0.5
1407110	TP11-S-0.5	1407119rev1	TP23-S-0.5
1407110	TP12-S-0.5	1407119rev1	TP24-S-0.5
-	-	1407119rev1	TP25-S-0.5
-	-	1407119rev1	TP26-S-0.5
-	-	1407119rev1	TP27-S-0.5
-	-	1407119rev1	TP28-S-0.5
-	-	1407119rev1	TP29-S-0.5
-	-	1407119rev1	TP30-S-0.5
-	-	1407119rev1	TP-S-0.5DUP

In report 1407119rev1, USEPA Method 8081B surrogate decachlorobiphenyl exceeded upper percent recovery limits because of matrix interference; results were not additionally qualified by the reviewer.

In reports 1407110, 1407119rev1, and 1410008, USEPA Method 8082A surrogate decachlorobiphenyl exceeded the upper percent recovery acceptance limits for some samples. Some of the exceedances were due to matrix interference. Associated detected results were qualified with "J" as estimated.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
1407110	TP05-S-0.5	Aroclor 1248	38000	38000 J
1407110	TP07-S-0.25	Aroclor 1248	1260	1260 J
1407119rev1	TP13-S-1.5	Aroclor 1248	11200	11200 J
1407119rev1	TP14-S-0.5	Aroclor 1248	13900	13900 J
1407119rev1	TP15-S-1.75	Aroclor 1248	39200	39200 J
1407119rev1	TP17-S-1.25	Aroclor 1248	86600	86600 J
1407119rev1	TP24-S-0.5	Aroclor 1248	514	514 J
1407119rev1	TP26-S-0.5	Aroclor 1248	33200	33200 J
1407119rev1	TP27-S-0.5	Aroclor 1248	63100	63100 J
1407119rev1	TP28-S-0.5	Aroclor 1248	532	532 J
1407119rev1	TP29-S-0.5	Aroclor 1248	3980	3980 J
1407119rev1	TP30-S-0.5	Aroclor 1248	17300	17300 J
1407119rev1	TP-S-0.5DUP	Aroclor 1248	3640	3640 J
1410008	TP39-S-0.5	Aroclor 1248	19600	19600 J

ug/kg = micrograms per kilogram.

In report 1407119rev1, the USEPA Method 8151A surrogate 2,4-DCAA percent recovery for sample TP23-S-0.5 was below the lower acceptance limit because of matrix interference. The sample results were non-detect and were qualified with "UJ" as estimated by the reviewer.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
1407119rev1	TP23-S-0.5	2,4,5-T	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	2,4,5-TP	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	2,4-D	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	2,4-DB	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	4-Nitrophenol	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	Dicamba	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	Dichlorprop	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	Dinoseb	7.96 U	7.96 UJ
1407119rev1	TP23-S-0.5	MCPA	796 U	796 UJ
1407119rev1	TP23-S-0.5	MCPP	796 U	796 UJ
1407119rev1	TP23-S-0.5	Pentachlorophenol	7.96 U	7.96 UJ

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. Minor MS/MSD percent recovery exceedances and exceedances due to high concentrations of target analyte in the sample were not qualified by the reviewer.

In report 1407110, the USEPA Method 8082A batch 7820 MS/MSD exceeded upper percent recovery and relative percent difference (RPD) acceptance limits. The remaining batch QC met acceptance criteria. The result from the sample used to prepare the MS/MSD, TP01-S-0.5, was qualified with "J," as estimated, for all detected results. Batch 7851 MS/MSD also exceeded acceptance criteria; the sample used to prepare the MS/MSD was according to the laboratory from an unrelated project, so no results were qualified.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
1407110	TP01-S-0.5	Aroclor 1248	389	389 J

In report 1407119rev1, the USEPA Method 8270D batch 7842 MS/MSD results for malathion were below lower percent recovery acceptance limits. The MS/MSD RPD for DEF (merphos oxide) also exceeded the acceptance limit. The MS/MSD was prepared with a sample from an unrelated project; the MS/MSD sample matrix likely does not represent the soil matrices in sample delivery group 1407119rev1. The remaining batch QC met acceptance criteria; thus, no results were qualified. The USEPA Method 8270D batch 7843

MS/MSD exceeded the RPD acceptance limit for chloropyrifos. The associated sample results were non-detect; thus, no results were qualified.

In report 1407119rev1, the USEPA Method 8082 batch 7851 MS/MSD exceeded the upper percent recovery acceptance and RPD limits for Aroclor 1016/1260 because of matrix interference. Remaining batch QC met acceptance criteria, and the sample used to prepare the MS/MSD was already qualified with "J" as estimated, as discussed in the surrogate section above. No additional data qualification was required.

In reports 1407110 and 1407119rev1, the USEPA Method 8151 batch 7830 and 7835 MS/MSDs exceeded some upper percent recovery and RPD acceptance limits because of matrix interference. The remaining batch QC met acceptance criteria. The samples used to prepare the MS/MSDs were non-detect for all target analytes; no results were qualified.

In report 1407119rev1, the USEPA Method 6020A batch 7874 MSD exceeded lower percent recovery acceptance limits for chromium and nickel. The MS results were within acceptance limits. The MS/MSD also exceeded RPD acceptance limits for chromium and nickel at 32.4 percent and 35.7 percent, respectively. USEPA National Functional Guidelines for inorganic data review allow RPD control limits of 35 percent for soil matrix due to sample heterogeneity. The results from the sample used to prepare the MS/MSD was qualified with "J," as estimated, for nickel.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
1407119rev1	TP25-S-0.5	Nickel	10600	10600 J

In report 1410008, the USEPA Method 8082 batch 8331 MS/MSD exceeded the upper percent recovery acceptance and RPD limits for Aroclor 1016/1260 because of matrix interference. Remaining batch QC met acceptance criteria. The MS/MSD was prepared with a sample from an unrelated project; the MS/MSD sample matrix likely does not represent the soil matrices in sample delivery group 1410008. No data qualification was required.

All remaining MS/MSD results 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 RPD exceedances associated with results near the reporting limit were not qualified by the reviewer.

In reports 1407110 and 1407119rev1, the NWTPH-Dx batch 7819 laboratory duplicates prepared with samples TP25-S-0.5 and TP08-S-0.5 exceeded the lube oil RPD acceptance limits. Sample TP25-S-0.5 results were qualified, as discussed in the data qualifications section above; no additional qualification was required. The remaining sample, TP08-S-0.5, was qualified with "J," as estimated, for lube oil.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1407110	TP08-S-0.5	Lube Oil Range	405	405 J

In report 1407119rev1, USEPA Method 6020A batch 7873 and 7874 laboratory duplicates exceeded some RPD acceptance limits. The exceedances were minor, as all RPDs were less than 35 percent; thus, no results were qualified.

All remaining laboratory duplicate RPDs were within acceptance limits.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

An LCS/laboratory control sample duplicate (LCSD) is 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 analyte results were within acceptance limits for percent recovery and RPD.

FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision. Three field duplicates were submitted for analysis; one of them was discussed in report 1407110 (TP10-S-0.5/TP-S-0.5DUP), one was discussed in report 1407119rev1 (TP29-S-0.5/TP-S-0.5DUP), and one was discussed in report 1410008 (TP-S-0.5/TP45-S-0.5). MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the 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. All field duplicate analytes met the acceptance criteria.

CONTINUING CALIBRATION VERIFICATION (CCV) AND INITIAL CALIBRATION VERIFICATION (ICV) RESULTS

CCV and ICV results are used to demonstrate instrument precision and accuracy through the end of the sample batch.

In reports 1407110 and 1407119rev1, some USEPA Method 8081B CCVs exceeded upper percent recovery acceptance limits for some target analytes. All associated sample results were non-detect; thus, no results were qualified.

All remaining CCVs and ICVs 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 high analyte concentrations and/or matrix interferences.

DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies. None were found.

SA. 2014. Quality assurance manual. Specialty Analytical, Inc., Clackamas, Oregon.

USEPA. 1986. Test methods for evaluating solid waste: physical/chemical methods. EPA-530/SW-846. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. September (revision 6, February 2007).

USEPA. 2008. USEPA contract laboratory program, national functional guidelines for organics data review. EPA 540/R-08/01. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. June.

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.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407110, 1407119rev1
Analysis	Organophosphorus Pesticides
Method	USEPA 8270D
Batch	7842, 7843

Reviewer	MEB
Date	8/19/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes		
Calibr.	CCB	NA		
	ICV	NA		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	NA		
	MS/MSD %	No	MS/MSD malathion low.	
	MS/MSD RPD	No	See comments below.	
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	No	Some TPP surr. Recoveries high, samples ND, no qual.	

Samples reviewed (report 1707119):			
TP13-S-0.5	TP18-S-0.5	TP23-S-0.5	TP28-S-0.5
TP14-S-0.5	TP19-S-0.5	TP24-S-0.5	TP29-S-0.5
TP15-S-1.75	TP20-S-0.5	TP25-S-0.5	TP30-S-0.5
TP16-S-0.5	TP21-S-0.5	TP26-S-0.5	TP-S-0.5DUP
TP17-S-1.25	TP22-S-0.5	TP27-S-0.5	-
Samples reviewed (report 1707110):			
TP01-S-0.5	TP04-S-1.0	TP07-S-1.0	TP10-S-1.5
TP02-S-0.5	TP05-S-0.5	TP08-S-0.5	TP11-S-0.5
TP03-S-0.5	TP06-S-0.5	TP09-S-0.5	TP12-S-0.5

Comments:

Batch 7842 MS/MSD malathion 45% and 78%, DEF (merphos oxide) RPD is 33.8%. MS/MSD prepared with sample from unrelated project and the remaining batch QC is acceptable; thus no qualification is necessary.
Batch 7843 MS/MSD chloropyrifos RPD is 29.5%. All samples are ND; thus, no qualification is necessary.

Calibr = Calibration. Eq. = equipment.	MDL = method detection limit. NA = not applicable. NR = not reported	Q = qualifier. Qual = qualification. TPP = triphenylphosphate.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407110, 1407119rev1
Analysis	Organochlorine Pesticides
Method	USEPA 8081B
Batch	7837 (1407119rev1), 7838 (1407110)

Reviewer	MEB
Date	8/19/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes		
Calibr.	CCB	NA		
	ICV	NA		
	CCV	No	CCV analyzed 7/28; see comments below.	
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	NA		
	MS/MSD %	No	Batch 7837: MS/MSD matrix interference. Qualify all TP23-S-0.5.	UJ
	MS/MSD RPD	No	Batch 7837 interference. Batch 7838 MS/MSD is OK.	UJ
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	No	Low tetrachlor-m-xylene: most samples. See comments below.	UJ

Samples reviewed (1407119rev1):			
TP13-S-0.5	TP18-S-0.5	TP23-S-0.5	TP28-S-0.5
TP14-S-0.5	TP19-S-0.5	TP24-S-0.5	TP29-S-0.5
TP15-S-1.75	TP20-S-0.5	TP25-S-0.5	TP30-S-0.5
TP16-S-0.5	TP21-S-0.5	TP26-S-0.5	TP-S-0.5DUP
TP17-S-1.25	TP22-S-0.5	TP27-S-0.5	-
Samples reviewed (1407110):			
TP01-S-0.5	TP04-S-1.0	TP07-S-1.0	TP10-S-1.5
TP02-S-0.5	TP05-S-0.5	TP08-S-0.5	TP11-S-0.5
TP03-S-0.5	TP06-S-0.5	TP09-S-0.5	TP12-S-0.5

Comments:

1407110, 1407119rev1: Surrogate tetrachloro-m-xylene is significantly low for most samples because of extract cleanup by lab to minimize interferences caused by PCB compounds. Lab states LCS and other surrogate show that cleanup performed well and data is useable. Results accepted and qualified UJ. All results non-detect.

1407119rev1, TP24-S-0.5 DCB surrogate high because of matrix interference. Sample non-detect; no qualification.

CCV high for some analytes. Samples are all non-detect; no qualification.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407119rev1
Analysis	PCBs
Method	USEPA 8082A
Batch	7848, 7851, 7887, 7926, 8077

Reviewer	MEB
Date	8/27/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	No	TP27-S-8.5 prepared on 8/4/14, 2 days after 14 day hold time.	
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes	TP-S-0.5 (TP29 DUP) reanalyzed with acceptable RPD.	
Calibr.	CCB	NA		
	ICV	NA		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	NA		
	MS/MSD %	No	Batch 7851 MS/MSD high, matrix interference. Flag TP-S-0.5DUP.	J
	MS/MSD RPD	No	Batch 7851 RPD exceedance due to matrix interference.	J
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	No	Matrix interference.	J

Samples reviewed:				
TP13-S-0.5	TP15-S-6.0	TP20-S-0.5	TP25-S-0.5	TP28-S-0.5
TP13-S-1.5	TP16-S-0.5	TP21-S-0.5	TP25-S-4.5	TP29-S-0.5
TP13-S-5.5	TP17-S-0.5	TP21-S-5.0	TP26-S-0.5	TP29-S-3.5
TP14-S-0.5	TP17-S-1.25	TP22-S-0.5	TP26-S-5.0	TP29-S-7.5
TP14-S-4.5	TP17-S-4.5	TP23-S-0.5	TP27-S-0.5	TP30-S-0.5
TP15-S-0.5	TP18-S-0.5	TP23-S-4.5	TP27-S-5.5	TP30-S-4.0
TP15-S-1.75	TP19-S-0.5	TP24-S-0.5	TP27-S-8.5	TP-S-0.5DUP

Comments:
High surrogate recovery due to matrix interference, samples TP13-S-1.5, TP14-S-0.5, TP15-S-1.75, TP17-S-1.25, TP24-S-0.5, TP26-S-0.5, TP27-S-0.5, TP28-S-0.5, TP30-S-0.5, TP-S-0.5DUP. High surrogate recovery for TP29-S-0.5. Flag detected results with "J."
Prep HT exceeded for TP27-S-8.5 and TP29-S-7.5 by two days. Compounds are relatively stable; no results qualified.
MSD batch 7848 high. MS is acceptable. Minor exceedance; no qualification is necessary.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407110, 1407119rev1
Analysis	Chlorinated Herbicides
Method	USEPA 8151
Batch	7830, 7835

Reviewer	MEB
Date	8/19/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes		
Calibr.	CCB	NA		
	ICV	NA		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	NA		
	MS/MSD %	No	Batch 7830, 7835 MS/MSD high (see comments below.	
	MS/MSD RPD	No	Batch 7830, 7835 MS/MSD—some RPD exceedances.	
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	No	TP23-S-0.5 surrogate low because of matrix interference.	UJ

Samples reviewed (1407119rev1):				
TP13-S-0.5	TP17-S-1.25	TP21-S-0.5	TP25-S-0.5	TP29-S-0.5
TP14-S-0.5	TP18-S-0.5	TP22-S-0.5	TP26-S-0.5	TP30-S-0.5
TP15-S-1.75	TP19-S-0.5	TP23-S-0.5	TP27-S-0.5	TP-S-0.5DUP
TP16-S-0.5	TP20-S-0.5	TP24-S-0.5	TP28-S-0.5	-
Samples reviewed (1407110):				
TP01-S-0.5	TP04-S-1.0	TP07-S-1.0	TP10-S-1.5	-
TP02-S-0.5	TP05-S-0.5	TP08-S-0.5	TP11-S-0.5	-
TP03-S-0.5	TP06-S-0.5	TP09-S-0.5	TP12-S-0.5	-

Comments:

Batch 7830 MS/MSD upper limit and RPD exceedances due to matrix interference. LCS is acceptable. MS/MSD sample TP06-S-0.5 qualified.
Batch 7835 MS/MSD upper limit and RPD exceedances due to matrix interference. LCS is acceptable. MS/MSD prepped with TP27-S-0.5, which is non-detect; no results qualified.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407110, 1407119rev1
Analysis	Diesel- and Lube-Oil-Range Hydrocarbons
Method	NWTPH-Dx
Batch	7822, 7819

Reviewer	MEB
Date	8/19/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes		
Calibr.	CCB	Yes		
	ICV	NA		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	No	See comments below.	J
	MS/MSD %	NA		
	MS/MSD RPD	NA		
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	Yes		

Samples reviewed (1407119rev1):				
TP13-S-1.5	TP17-S-1.25	TP21-S-0.5	TP24-S-0.5	TP27-S-0.5
TP15-S-1.75	TP18-S-0.5	TP22-S-0.5	TP25-S-0.5	TP29-S-0.5
TP16-S-0.5	TP20-S-0.5	TP23-S-0.5	TP26-S-0.5	TP-S-0.5DUP
Samples reviewed (1407110):				
TP02-S-0.5	TP04-S-0.25	TP07-S-0.25	TP10-S-0.5	TP12-S-0.5
TP03-S-0.5	TP06-S-0.5	TP08-S-0.5	TP-S-0.5DUP	-

Comments:

1407119rev1: Most diesel and lube oil results flagged by lab as having chromatograms that don't match those of diesel and lube oil standards. Qualify with J.

1407110: TP02-S-0.5 diesel biased high because of high amounts of oil (J flag diesel). All detections except TP02-S-0.5 and TP08-S-0.5 have non-standard chromatograms (J flag results).

Batch 7822 lab duplicates prepped with samples TP26-S-0.5 and TP29-S-0.5 have minor RPD exceedances for diesel and lube oil, at 22.6 to 31.2%. Exceedances are minor for soils, and lab dup detections are low; no results qualified.

Batch 7819 lab dups prepped with TP25-S-0.5 and TP08-S-0.5 have RPD exceedances for lube oil. Diesel results are low; no qualification. Qualify lube oil with "J" for samples TP08-S-0.5 and TP25-S-0.5.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407110, 1407119rev1
Analysis	Total Metals
Method	USEPA 6020A
Batch	7873, 7874, 8068

Reviewer	MEB
Date	8/27/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes	TP29 and TP-S-0.5 (TP29DUP) reanalyzed with acceptable RPD.	
Calibr.	CCB	NA		
	ICV	Yes		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	No	Batch 7873, 7874 minor RPD exceedances; no qualifications.	
	MS/MSD %	No	Batch 7873 MS nickel, see comments below.	
	MS/MSD RPD	No	Batch 7874 See comments below.	J
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	NA		

Samples reviewed (1407110):				
TP02-S-0.5	TP04-S-0.25	TP07-S-0.25	TP10-S-0.5	TP12-S-0.5
TP03-S-0.5	TP06-S-0.5	TP08-S-0.5	TP-S-0.5DUP	-
Samples reviewed (1407119rev1):				
TP13-S-1.5	TP18-S-0.5	TP23-S-0.5	TP27-S-0.5	TP-S-0.5DUP
TP15-S-1.75	TP20-S-0.5	TP24-S-0.5	TP28-S-0.5	-
TP16-S-0.5	TP21-S-0.5	TP25-S-0.5	TP29-S-0.5	-
TP17-S-1.25	TP22-S-0.5	TP26-S-0.5	TP30-S-0.5	-

Comments:

Batch 7873, 7874: Laboratory duplicate has minor RPD exceedances (less than 30 %). Results not qualified.

Batch 7873 and 8068: MS exceedances for nickel (Ni) (69.1%) and copper (135%) are minor exceedance, not qualified. Remaining MS/MSD exceedances due to high concentrations in sample. Results not qualified.

Batch 7874: MSD low for Chromium (Cr) and Ni. Exceedances are minor so are not qualified. MS/MSD RPD exceedance for Cr is minor. RPD for Ni is 35.7%; qualify sample used to prepare MS/MSD (TP25-S-0.5) with "J" for Ni.

Batch 7874: MS/MSD, Mn, Fe, Zn percent recovery exceedances due to high concentrations; no qualification.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407119rev1
Analysis	Mercury
Method	USEPA 7471B
Batch	7826, 7826A

Reviewer	MEB
Date	8/19/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes		
Calibr.	CCB	NA		
	ICV	Yes		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	Yes		
	MS/MSD %	No	MSD = 73.4%. MS is OK. Exceedance is minor; no qualification.	
	MS/MSD RPD	Yes		
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	NA		

Samples reviewed (1407119rev1):				
TP13-S-1.5	TP18-S-0.5	TP23-S-0.5	TP27-S-0.5	-
TP15-S-1.75	TP20-S-0.5	TP24-S-0.5	TP29-S-0.5	-
TP16-S-0.5	TP21-S-0.5	TP25-S-0.5	TP-S-0.5DUP	-
TP17-S-1.25	TP22-S-0.5	TP26-S-0.5	-	-
Samples reviewed (1407110):				
TP02-S-0.5	TP04-S-0.25	TP07-S-0.25	TP10-S-0.5	TP12-S-0.5
TP03-S-0.5	TP06-S-0.5	TP08-S-0.5	TP-S-0.5DUP	-

Comments:

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407119rev1
Analysis	Ammonia as Nitrogen
Method	USEPA 350.1
Batch	R16063

Reviewer	MEB
Date	8/18/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes		
Calibr.	CCB	NA		
	ICV	NA		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	NA		
	MS/MSD %	Yes		
	MS/MSD RPD	Yes		
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	NA		

Samples reviewed:				
TP26-S-0.5	TP30-S-0.5	-	-	-
TP27-S-0.5	TP-S-0.5DUP	-	-	-
TP28-S-0.5	-	-	-	-
TP29-S-0.5	-	-	-	-

Comments:

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1407110
Analysis/Method	PCBs/ USEPA 8082A
Batch Number(s)	7820, 7851

Reviewer	MEB
Date	8/19/2014

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes		
Calibr.	CCB	NA		
	ICV	NA		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes		
	LCS/LCSD RPD	NA		
	Lab Dup RPD	NA		
	MS/MSD %	No	See comments below.	J
	MS/MSD RPD	No	See comments below.	J
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	No	High surrogate TP05-S-0.5, TP07-S-0.25, qualify detected results.	J

Samples reviewed:				
TP-S-0.5DUP	TP04-S-1.0	TP07-S-0.25	TP10-S-0.5	TP12-S-0.5
TP02-S-0.5	TP05-S-0.5	TP07-S-1.0	TP10-S-1.5	-
TP02-S-2.0	TP05-S-1.5	TP08-S-0.5	TP-S-0.5DUP	-
TP03-S-0.5	TP06-S-0.5	TP09-S-0.5	TP11-S-0.5	-
TP04-S-0.25	TP06-S-2.0	TP09-S-4.5	TP11-S-4.5	-

Comments:

Batch 7820—Qualify MS/MSD sample TP01-S-0.5 because pf high percent recovery and RPD.
Batch 7851—MS/MSD sample from unrelated project; no qualification.

DATA VALIDATION TRACKING

This document tracks Stage 2A validation completion for the analysis indicated below.

Lab Report	1410008
Analysis/Method	PCBs/ USEPA 8082A
Batch Number(s)	8294, 8331

Reviewer	MEB
Date	

	Validation Area	Acceptable Yes/No/NA	Comments	Q
Sample	Temperature	Yes		
	Holding Time	Yes		
	Trip Blank	NA		
	Field/Eq. Blank	NA		
	Field Dup RPD	Yes	TP-S-DUP/TP45-S-0.5	
Calibr.	CCB	Yes		
	ICV	NA		
	CCV	Yes		
Batch	Method Blank	Yes		
	LCS/LCSD %	Yes	No LCSD for batch 8331. Acceptable per method 8082A.	
	LCS/LCSD RPD	Yes		
	Lab Dup RPD	NA		
	MS/MSD %	No	See comments below.	
	MS/MSD RPD	No	See comments below.	
General	Dilution	Yes		
	Reporting Limit	Yes		
	MDL	NA		
	Surrogates	No	See comments below.	J

Samples reviewed:				
TP46-S-0.5	TP40-S-0.5	TP42-S-0.5	TP45-S-2.5	TP34-S-0.5
TP38-S-0.5	TP37-S-0.5	TP39-S-0.5	TP51-S-2.0	TP32-S-0.5
TP52-S-0.5	TP51-S-0.5	TP36-S-0.5	TP31-S-0.5	-
TP-S-DUP	TP48-S-0.5	TP42-S-2.0	TP35-S-0.5	-
TP43-S-0.5	TP45-S-0.5	TP39-S-2.0	TP33-S-0.5	-

Comments:

TP39-S-0.5 surrogate decachlorobiphenyl = 230% due to matrix interference. Qualify all detections for sample TP39-S-0.5 as estimated with "J".

Batch 8294 MS/MSD have acceptable percent recoveries and RPD.

Batch 8331 MS/MSD percent recoveries are 246% and 137%, respectively, and RPD is 57.3, due to matrix interference. The MS/MSD were prepared with a sample from unrelated project. Batch 8331 LCS has acceptable recovery and associated samples have acceptable surrogate percent recoveries, so results are not qualified by reviewer.