

## ANALYTICAL REPORT

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Laboratory Job ID: 460-267197-1  
Client Project/Site: Yaffa

For:  
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Results relate only to the items tested and the sample(s) as received by the laboratory.



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# Definitions/Glossary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

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## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

### GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

### GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

### GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

### General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

Eurofins Edison

## Definitions/Glossary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

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### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Job ID: 460-267197-1**

**Laboratory: Eurofins Edison**

**Narrative**

## CASE NARRATIVE

**Client: Montrose Environmental Solutions Inc**

**Project: Yaffa**

**Report Number: 460-267197-1**

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### **RECEIPT**

The samples were received on 10/10/2022 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.6° C and 4.1° C.

### **Receipt Exceptions**

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Test put on hold. Incorrect container (250ml amber) received for TB sample. Per laboratory policy the Trip Blank sample date/time was added to reflect the latest sample date/time of the sampling event.

The following sample was collected in an improper container: sample #9 (Trip Blank). The client was contacted regarding this issue, and the laboratory was instructed to cancel analysis. Received one 250ml amber.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Received 6 containers for samples 1, 3, 5 + 7 not 5 as recorded on the COC.

The extra containers were actually the composite sample's plastic total solids containers. The sampler incorrectly labeled them as 1 3 5 7, whereas they should have been 2, 4 6 8 per the line on the coc. The sampler was off a line on the COC. Those bottles were only labeled with the COC lines, whereas the ones provided with the terracore kits had the sample IDs included on the plastic container.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

### **TCLP VOLATILE ORGANIC COMPOUNDS**

Samples B-20-G (460-267197-1), B-21-G (460-267197-3), B-18-G (460-267197-5) and B-19-G (460-267197-7) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 10/13/2022 and analyzed on 10/14/2022.

Samples B-20-G (460-267197-1), B-21-G (460-267197-3), B-18-G (460-267197-5) and B-19-G (460-267197-7) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

# Case Narrative

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### Laboratory: Eurofins Edison (Continued)

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

2-Hexanone, Bromoform, Carbon disulfide, Carbon tetrachloride and Chlorodibromomethane failed the recovery criteria high for LCS 460-871525/5. 2-Hexanone, Bromoform, Carbon tetrachloride and Chlorodibromomethane failed the recovery criteria high for LCS 460-871630/4. 2-Hexanone failed the recovery criteria high for LCSD 460-871525/6. Carbon disulfide, Carbon tetrachloride and Chlorodibromomethane failed the recovery criteria high for LCSD 460-871630/5. Refer to the QC report for details.

### VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples B-20-G (460-267197-1), B-21-G (460-267197-3), B-18-G (460-267197-5) and B-19-G (460-267197-7) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 10/11/2022 and analyzed on 10/12/2022 and 10/13/2022.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-871525 recovered outside control limits for the following analytes: 2-Hexanone, Carbon disulfide, Bromoform, Carbon tetrachloride and Chlorodibromomethane. These analytes were biased high in the LCS/LCSD, the data have been flagged and reported. The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-871630 recovered outside control limits for the following analytes: Carbon tetrachloride, Carbon disulfide, 2-Hexanone, Bromoform and Chlorodibromomethane. These analytes were biased high in the LCS/LCSD, the data have been flagged and reported.

Internal standard (ISTD) response for TBA-d9 for the following sample in analytical batch 460-871882 was outside acceptance criteria: B-19-G (460-267197-7). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-871630 recovered above the upper control limit for 1,1-Dichloroethene and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

### TCLP CHLORINATED HERBICIDES

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 10/12/2022, prepared on 10/13/2022 and analyzed on 10/14/2022.

No difficulties were encountered during the TCLP herbicides analysis.

All quality control parameters were within the acceptance limits.

### TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 10/12/2022, and prepared and analyzed on 10/13/2022.

No difficulties were encountered during the TCLP semivolatiles analysis.

All quality control parameters were within the acceptance limits.

### SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 10/11/2022 and analyzed on 10/12/2022.

The continuing calibration verification (CCV) analyzed in batch 460-871381 was outside the method criteria for the following analyte(s):

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## Job ID: 460-267197-1 (Continued)

### Laboratory: Eurofins Edison (Continued)

4-Nitrophenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

### TCLP PESTICIDES

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 10/12/2022, prepared on 10/13/2022 and analyzed on 10/14/2022.

No difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

### PESTICIDES

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 10/11/2022 and analyzed on 10/12/2022.

The continuing calibration verification (CCV) associated with batch 460-871408 recovered above the upper control limit for 4,4'-DDT. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-871865 recovered above the upper control limit for Methoxychlor on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-871865/3). The continuing calibration verification (CCV) associated with batch 460-871626 recovered above the upper control limit for Methoxychlor on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-871626/3).

The DCB Decachlorobiphenyl surrogate recovery for the CCV was outside acceptance limits (high biased) on the confirmation column : The recovery is within acceptance limits on the other column, therefore the data have been reported.(CCVIS 460-871626/3)

The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDD, 4,4'-DDE and Chlordane (technical) for the following samples: B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

### POLYCHLORINATED BIPHENYLS

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 10/11/2022 and analyzed on 10/12/2022.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

### CHLORINATED HERBICIDES

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 10/12/2022 and analyzed on 10/13/2022.

# Case Narrative

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## Job ID: 460-267197-1 (Continued)

### Laboratory: Eurofins Edison (Continued)

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

### EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 10/12/2022 and analyzed on 10/13/2022.

1-Chlorooctadecane failed the surrogate recovery criteria high for LCS 460-871485/2-A. 1-Chlorooctadecane failed the surrogate recovery criteria high for LCSD 460-871485/3-A. Refer to the QC report for details. Surrogate o-Terphenyl was within control limits. Data have been reported. (LCS 460-871485/2-A) and (LCSD 460-871485/3-A)

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

### METALS - TCLP

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Metals - TCLP in accordance with EPA SW-846 Method 6020B - TCLP/1311. The samples were leached on 10/12/2022, prepared on 10/13/2022 and analyzed on 10/14/2022.

No difficulties were encountered during the TCLP Metals analysis.

All quality control parameters were within the acceptance limits.

### METALS - TOTAL (ICP/MS)

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared on 10/12/2022 and analyzed on 10/13/2022.

Antimony failed the recovery criteria low for the MS of sample 460-267207-1 in batch 460-871758. Several analytes failed the recovery criteria high.

Refer to the QC report for details.

For the duplicate of sample 460-267207-1. Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

### MERCURY - TCLP

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Mercury - TCLP in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 10/12/2022, and prepared and analyzed on 10/13/2022.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

### MERCURY - TOTAL

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 10/12/2022.



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## Job ID: 460-267197-1 (Continued)

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### Laboratory: Eurofins Edison (Continued)

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

#### **IGNITABILITY**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 10/14/2022.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

#### **TOTAL SOLIDS**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Total Solids in accordance with SM 2540G. The samples were analyzed on 10/12/2022.

Total Volatile Solids exceeded the RPD limit for the duplicate of sample B-21-CDU (460-267197-4). Refer to the QC report for details.

No other difficulties were encountered during the TS analysis.

All other quality control parameters were within the acceptance limits.

#### **TOTAL CYANIDE**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 10/12/2022.

Cyanide, Total failed the recovery criteria high for the MS of sample B-20-CMS (460-267197-2) in batch 460-871605.

Cyanide, Total failed the recovery criteria high for the MSD of sample B-20-CMSD (460-267197-2) in batch 460-871605.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

#### **REACTIVE CYANIDE**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 10/13/2022.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

#### **REACTIVE SULFIDE**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 10/13/2022.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

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Project/Site: Yaffa

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## Job ID: 460-267197-1 (Continued)

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### Laboratory: Eurofins Edison (Continued)

#### **CORROSIVITY (PH)**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 10/14/2022.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6), B-19-C (460-267197-8), (460-266765-A-1) and (460-266765-A-1 DU). No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

#### **PAINT FILTER**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 10/14/2022.

No difficulties were encountered during the Free Liquids analysis.

All quality control parameters were within the acceptance limits.

#### **D422 GRAIN SIZE**

Samples B-20-C (460-267197-2), B-21-C (460-267197-4), B-18-C (460-267197-6) and B-19-C (460-267197-8) were analyzed for D422 grain size in accordance with D422 grain size. The samples were analyzed on 10/20/2022.

No difficulties were encountered during the D422 grain size analysis.

All quality control parameters were within the acceptance limits.

#### **PERCENT SOLIDS/PERCENT MOISTURE**

Samples B-20-G (460-267197-1), B-20-C (460-267197-2), B-21-G (460-267197-3), B-21-C (460-267197-4), B-18-G (460-267197-5), B-18-C (460-267197-6), B-19-G (460-267197-7) and B-19-C (460-267197-8) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 10/11/2022 and 10/13/2022.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

#### **Geotechnical**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### **Organic Prep**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### **VOA Prep**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Client Sample ID: B-20-G

## Lab Sample ID: 460-267197-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0035		0.0019	0.0011	mg/Kg	1	✳	8260D	Total/NA
Acetone	0.012		0.0057	0.0055	mg/Kg	1	✳	8260D	Total/NA
Carbon disulfide	0.00067	J**	0.00095	0.00025	mg/Kg	1	✳	8260D	Total/NA
Tetrachloroethene	0.00044	J	0.00095	0.00029	mg/Kg	1	✳	8260D	Total/NA

## Client Sample ID: B-20-C

## Lab Sample ID: 460-267197-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.053	J	0.38	0.0066	mg/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	0.024	J	0.38	0.011	mg/Kg	1	✳	8270E	Total/NA
Acenaphthylene	0.046	J	0.38	0.011	mg/Kg	1	✳	8270E	Total/NA
Acenaphthene	0.098	J	0.38	0.011	mg/Kg	1	✳	8270E	Total/NA
Dibenzofuran	0.064	J	0.38	0.013	mg/Kg	1	✳	8270E	Total/NA
Fluorene	0.11	J	0.38	0.011	mg/Kg	1	✳	8270E	Total/NA
Phenanthrene	1.3		0.38	0.0067	mg/Kg	1	✳	8270E	Total/NA
Anthracene	0.39		0.38	0.012	mg/Kg	1	✳	8270E	Total/NA
Carbazole	0.15	J	0.38	0.015	mg/Kg	1	✳	8270E	Total/NA
Fluoranthene	1.8		0.38	0.013	mg/Kg	1	✳	8270E	Total/NA
Pyrene	1.6		0.38	0.0095	mg/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	0.91		0.038	0.013	mg/Kg	1	✳	8270E	Total/NA
Chrysene	0.92		0.38	0.0065	mg/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	1.0		0.038	0.0099	mg/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	0.38		0.038	0.0075	mg/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	0.80		0.038	0.010	mg/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.50		0.038	0.015	mg/Kg	1	✳	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.038	0.017	mg/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	0.37	J	0.38	0.011	mg/Kg	1	✳	8270E	Total/NA
4,4'-DDE	0.0066	J	0.0078	0.00092	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.016		0.0078	0.0014	mg/Kg	1	✳	8081B	Total/NA
Chlordane (technical)	0.10		0.078	0.019	mg/Kg	1	✳	8081B	Total/NA
Total EPH (C9-C40)	100		16	16	mg/Kg	1	✳	NJDEP EPH	Total/NA
Silver	0.12	J	0.46	0.10	mg/Kg	1	✳	6020B	Total/NA
Aluminum	10100		22.9	6.3	mg/Kg	1	✳	6020B	Total/NA
Arsenic	6.0		1.1	0.12	mg/Kg	1	✳	6020B	Total/NA
Barium	91.0		2.3	0.17	mg/Kg	1	✳	6020B	Total/NA
Beryllium	0.55		0.46	0.065	mg/Kg	1	✳	6020B	Total/NA
Calcium	6190		114	20.2	mg/Kg	1	✳	6020B	Total/NA
Cadmium	0.31	J	1.1	0.13	mg/Kg	1	✳	6020B	Total/NA
Cobalt	7.5		2.3	0.17	mg/Kg	1	✳	6020B	Total/NA
Chromium	19.8		2.3	1.0	mg/Kg	1	✳	6020B	Total/NA
Copper	43.7		2.3	0.42	mg/Kg	1	✳	6020B	Total/NA
Iron	16800		68.6	23.1	mg/Kg	1	✳	6020B	Total/NA
Potassium	1200		114	18.5	mg/Kg	1	✳	6020B	Total/NA
Magnesium	2690		114	11.7	mg/Kg	1	✳	6020B	Total/NA
Manganese	288		4.6	0.46	mg/Kg	1	✳	6020B	Total/NA
Sodium	122		114	52.2	mg/Kg	1	✳	6020B	Total/NA
Nickel	16.2		2.3	0.54	mg/Kg	1	✳	6020B	Total/NA
Lead	122		0.69	0.23	mg/Kg	1	✳	6020B	Total/NA
Antimony	0.24	J	1.1	0.17	mg/Kg	1	✳	6020B	Total/NA
Selenium	0.93	J	1.4	0.15	mg/Kg	1	✳	6020B	Total/NA
Thallium	0.13	J	0.46	0.047	mg/Kg	1	✳	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

# Detection Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Client Sample ID: B-20-C (Continued)

## Lab Sample ID: 460-267197-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	25.6		2.3	0.24	mg/Kg	1	☼	6020B	Total/NA
Zinc	116		9.1	3.5	mg/Kg	1	☼	6020B	Total/NA
Barium	0.61		0.040	0.0091	mg/L	10		6020B	TCLP
Cadmium	0.0041	J	0.020	0.0039	mg/L	10		6020B	TCLP
Lead	0.20		0.012	0.0084	mg/L	10		6020B	TCLP
Mercury	0.53		0.019	0.0092	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.17	J F1	0.26	0.14	mg/L	1	☼	9012B	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Temperature	22.3	HF			Degrees C	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Total Volatile Solids	2.4		0.10	0.10	%	1		SM 2540G	Total/NA
Gravel	6.4				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	46.6				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	6.0				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	14.1				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	26.5				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fines	47.0				%	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	98.7				% Passing	1		D422	Total/NA
Sieve Size #4 - Percent Finer	93.6				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	87.6				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	81.8				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	73.5				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	63.5				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	59.3				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	55.5				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	47.0				% Passing	1		D422	Total/NA

## Client Sample ID: B-21-G

## Lab Sample ID: 460-267197-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0050		0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.0088		0.0054	0.0051	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00071	J *	0.00089	0.00024	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.0010		0.00089	0.00027	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00019	J	0.00089	0.00017	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.00045	J	0.00089	0.00045	mg/Kg	1	☼	8260D	Total/NA

## Client Sample ID: B-21-C

## Lab Sample ID: 460-267197-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.080	J	0.38	0.0065	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.044	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.032	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.11	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.069	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.092	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.1		0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

# Detection Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C (Continued)**

**Lab Sample ID: 460-267197-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.40		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.13	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.5		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.3		0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.71		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.77		0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.021	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.88		0.038	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.31		0.038	0.0074	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.66		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.43		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.12		0.038	0.016	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.32	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDD	0.0034	J p	0.0077	0.0013	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDE	0.010		0.0077	0.00090	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.035		0.0077	0.0014	mg/Kg	1	☼	8081B	Total/NA
Chlordane (technical)	0.13		0.077	0.019	mg/Kg	1	☼	8081B	Total/NA
Total EPH (C9-C40)	150		16	16	mg/Kg	1	☼	NJDEP EPH	Total/NA
Silver	0.14	J	0.44	0.097	mg/Kg	1	☼	6020B	Total/NA
Aluminum	10200		21.8	6.0	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	95.7		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.52		0.44	0.062	mg/Kg	1	☼	6020B	Total/NA
Calcium	7140		109	19.3	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.48	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.7		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.6		2.2	0.99	mg/Kg	1	☼	6020B	Total/NA
Copper	49.3		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	17200		65.3	22.0	mg/Kg	1	☼	6020B	Total/NA
Potassium	1140		109	17.6	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3090		109	11.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	271		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Sodium	101	J	109	49.7	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.0		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Lead	210		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.31	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.7		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	201		8.7	3.3	mg/Kg	1	☼	6020B	Total/NA
Barium	0.58		0.040	0.0091	mg/L	10		6020B	TCLP
Cadmium	0.0052	J	0.020	0.0039	mg/L	10		6020B	TCLP
Lead	1.5		0.012	0.0084	mg/L	10		6020B	TCLP
Mercury	0.50		0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.23	J	0.27	0.15	mg/L	1	☼	9012B	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Temperature	22.0	HF			Degrees C	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Total Volatile Solids	2.4		0.10	0.10	%	1		SM 2540G	Total/NA
Gravel	9.2				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

# Detection Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Client Sample ID: B-21-C (Continued)

## Lab Sample ID: 460-267197-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sand	50.5				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	6.3				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	16.1				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	28.1				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fines	40.3				%	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	95.9				% Passing	1		D422	Total/NA
Sieve Size #4 - Percent Finer	90.8				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	84.5				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	78.3				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	68.4				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	56.0				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	50.4				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	47.6				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	40.3				% Passing	1		D422	Total/NA

## Client Sample ID: B-18-G

## Lab Sample ID: 460-267197-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0046		0.0017	0.00098	mg/Kg	1	✘	8260D	Total/NA
Acetone	0.010		0.0051	0.0049	mg/Kg	1	✘	8260D	Total/NA
Carbon disulfide	0.00093	*+	0.00086	0.00023	mg/Kg	1	✘	8260D	Total/NA
Tetrachloroethene	0.0011		0.00086	0.00026	mg/Kg	1	✘	8260D	Total/NA
m-Xylene & p-Xylene	0.00020	J	0.00086	0.00015	mg/Kg	1	✘	8260D	Total/NA
o-Xylene	0.00018	J	0.00086	0.00017	mg/Kg	1	✘	8260D	Total/NA

## Client Sample ID: B-18-C

## Lab Sample ID: 460-267197-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.026	J	0.38	0.0065	mg/Kg	1	✘	8270E	Total/NA
2-Methylnaphthalene	0.013	J	0.38	0.011	mg/Kg	1	✘	8270E	Total/NA
Acenaphthylene	0.026	J	0.38	0.011	mg/Kg	1	✘	8270E	Total/NA
Acenaphthene	0.046	J	0.38	0.011	mg/Kg	1	✘	8270E	Total/NA
Dibenzofuran	0.031	J	0.38	0.013	mg/Kg	1	✘	8270E	Total/NA
Fluorene	0.051	J	0.38	0.011	mg/Kg	1	✘	8270E	Total/NA
Phenanthrene	0.58		0.38	0.0067	mg/Kg	1	✘	8270E	Total/NA
Anthracene	0.32	J	0.38	0.012	mg/Kg	1	✘	8270E	Total/NA
Carbazole	0.058	J	0.38	0.014	mg/Kg	1	✘	8270E	Total/NA
Fluoranthene	0.84		0.38	0.013	mg/Kg	1	✘	8270E	Total/NA
Pyrene	0.74		0.38	0.0094	mg/Kg	1	✘	8270E	Total/NA
Benzo[a]anthracene	0.43		0.038	0.013	mg/Kg	1	✘	8270E	Total/NA
Chrysene	0.44		0.38	0.0064	mg/Kg	1	✘	8270E	Total/NA
Benzo[b]fluoranthene	0.50		0.038	0.0098	mg/Kg	1	✘	8270E	Total/NA
Benzo[k]fluoranthene	0.18		0.038	0.0074	mg/Kg	1	✘	8270E	Total/NA
Benzo[a]pyrene	0.39		0.038	0.010	mg/Kg	1	✘	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.23		0.038	0.015	mg/Kg	1	✘	8270E	Total/NA
Dibenz(a,h)anthracene	0.068		0.038	0.016	mg/Kg	1	✘	8270E	Total/NA
Benzo[g,h,i]perylene	0.18	J	0.38	0.011	mg/Kg	1	✘	8270E	Total/NA
4,4'-DDD	0.0024	J p	0.0077	0.0013	mg/Kg	1	✘	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

# Detection Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C (Continued)**

**Lab Sample ID: 460-267197-6**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0040	J p	0.0077	0.00091	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.019		0.0077	0.0014	mg/Kg	1	☼	8081B	Total/NA
Chlordane (technical)	0.11	p	0.077	0.019	mg/Kg	1	☼	8081B	Total/NA
Total EPH (C9-C40)	110		16	16	mg/Kg	1	☼	NJDEP EPH	Total/NA
Silver	0.12	J	0.43	0.095	mg/Kg	1	☼	6020B	Total/NA
Aluminum	12300		21.3	5.8	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.4		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	101		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.64		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Calcium	14600		107	18.9	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.37	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.2		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Chromium	22.2		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Copper	75.8		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	19600		63.9	21.5	mg/Kg	1	☼	6020B	Total/NA
Potassium	1220		107	17.3	mg/Kg	1	☼	6020B	Total/NA
Magnesium	5410		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	364		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Sodium	138		107	48.7	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.8		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Lead	186		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.31	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.27	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	31.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	290		8.5	3.2	mg/Kg	1	☼	6020B	Total/NA
Barium	0.62		0.040	0.0091	mg/L	10		6020B	TCLP
Cadmium	0.0076	J	0.020	0.0039	mg/L	10		6020B	TCLP
Lead	0.22		0.012	0.0084	mg/L	10		6020B	TCLP
Mercury	0.47		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.14	J	0.26	0.14	mg/L	1	☼	9012B	Total/NA
pH	8.4	HF			SU	1		9045D	Total/NA
Temperature	22.0	HF			Degrees C	1		9045D	Total/NA
Corrosivity	8.4	HF			SU	1		9045D	Total/NA
Total Volatile Solids	2.8		0.10	0.10	%	1		SM 2540G	Total/NA
Gravel	8.1				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	51.2				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	7.3				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	17.5				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	26.4				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fines	40.7				%	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #4 - Percent Finer	91.9				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	84.6				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	77.7				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	67.1				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

# Detection Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Client Sample ID: B-18-C (Continued)

Lab Sample ID: 460-267197-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sieve Size #60 - Percent Finer	55.3				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	50.9				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	47.3				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	40.7				% Passing	1		D422	Total/NA

## Client Sample ID: B-19-G

Lab Sample ID: 460-267197-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0022		0.0017	0.00098	mg/Kg	1	✳	8260D	Total/NA
Tetrachloroethene	0.00084	J	0.00086	0.00026	mg/Kg	1	✳	8260D	Total/NA

## Client Sample ID: B-19-C

Lab Sample ID: 460-267197-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.020	J	0.39	0.0067	mg/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	0.012	J	0.39	0.011	mg/Kg	1	✳	8270E	Total/NA
Acenaphthylene	0.028	J	0.39	0.011	mg/Kg	1	✳	8270E	Total/NA
Acenaphthene	0.053	J	0.39	0.011	mg/Kg	1	✳	8270E	Total/NA
Dibenzofuran	0.039	J	0.39	0.013	mg/Kg	1	✳	8270E	Total/NA
Fluorene	0.063	J	0.39	0.011	mg/Kg	1	✳	8270E	Total/NA
Phenanthrene	0.73		0.39	0.0068	mg/Kg	1	✳	8270E	Total/NA
Anthracene	0.21	J	0.39	0.012	mg/Kg	1	✳	8270E	Total/NA
Carbazole	0.078	J	0.39	0.015	mg/Kg	1	✳	8270E	Total/NA
Fluoranthene	0.93		0.39	0.014	mg/Kg	1	✳	8270E	Total/NA
Pyrene	0.86		0.39	0.0096	mg/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	0.47		0.039	0.014	mg/Kg	1	✳	8270E	Total/NA
Chrysene	0.49		0.39	0.0065	mg/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	0.56		0.039	0.010	mg/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	0.21		0.039	0.0076	mg/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	0.43		0.039	0.010	mg/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.26		0.039	0.015	mg/Kg	1	✳	8270E	Total/NA
Dibenz(a,h)anthracene	0.075		0.039	0.017	mg/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	0.19	J	0.39	0.011	mg/Kg	1	✳	8270E	Total/NA
4,4'-DDT	0.0088		0.0078	0.0014	mg/Kg	1	✳	8081B	Total/NA
Chlordane (technical)	0.053	J p	0.078	0.019	mg/Kg	1	✳	8081B	Total/NA
Total EPH (C9-C40)	120		16	16	mg/Kg	1	✳	NJDEP EPH	Total/NA
Silver	0.13	J	0.46	0.10	mg/Kg	1	✳	6020B	Total/NA
Aluminum	11900		23.2	6.4	mg/Kg	1	✳	6020B	Total/NA
Arsenic	7.0		1.2	0.12	mg/Kg	1	✳	6020B	Total/NA
Barium	80.2		2.3	0.17	mg/Kg	1	✳	6020B	Total/NA
Beryllium	0.62		0.46	0.066	mg/Kg	1	✳	6020B	Total/NA
Calcium	5570		116	20.5	mg/Kg	1	✳	6020B	Total/NA
Cadmium	0.28	J	1.2	0.13	mg/Kg	1	✳	6020B	Total/NA
Cobalt	8.3		2.3	0.17	mg/Kg	1	✳	6020B	Total/NA
Chromium	22.6		2.3	1.1	mg/Kg	1	✳	6020B	Total/NA
Copper	51.6		2.3	0.43	mg/Kg	1	✳	6020B	Total/NA
Iron	23700		69.6	23.4	mg/Kg	1	✳	6020B	Total/NA
Potassium	1130		116	18.8	mg/Kg	1	✳	6020B	Total/NA
Magnesium	2640		116	11.8	mg/Kg	1	✳	6020B	Total/NA
Manganese	292		4.6	0.47	mg/Kg	1	✳	6020B	Total/NA
Sodium	89.0	J	116	53.0	mg/Kg	1	✳	6020B	Total/NA
Nickel	13.2		2.3	0.54	mg/Kg	1	✳	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C (Continued)**

**Lab Sample ID: 460-267197-8**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	127		0.70	0.23	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.26	J	1.2	0.17	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.30	J	1.4	0.15	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.46	0.048	mg/Kg	1	☼	6020B	Total/NA
Vanadium	30.4		2.3	0.24	mg/Kg	1	☼	6020B	Total/NA
Zinc	120		9.3	3.5	mg/Kg	1	☼	6020B	Total/NA
Barium	0.57		0.040	0.0091	mg/L	10		6020B	TCLP
Lead	0.14		0.012	0.0084	mg/L	10		6020B	TCLP
Mercury	0.38		0.020	0.0094	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.21	J	0.24	0.13	mg/L	1	☼	9012B	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Temperature	22.1	HF			Degrees C	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Total Volatile Solids	2.9		0.10	0.10	%	1		SM 2540G	Total/NA
Gravel	13.6				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	42.2				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	4.9				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	13.9				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	23.4				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fines	44.2				%	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	89.4				% Passing	1		D422	Total/NA
Sieve Size #4 - Percent Finer	86.4				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	81.5				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	75.9				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	67.6				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	57.4				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	53.0				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	50.8				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	44.2				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-G**

**Lab Sample ID: 460-267197-1**

**Date Collected: 10/10/22 12:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.4**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00042	U	0.00095	0.00042	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Bromomethane	0.00095	U	0.0019	0.00095	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Vinyl chloride	0.00052	U	0.00095	0.00052	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Chloroethane	0.00050	U	0.00095	0.00050	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
<b>Methylene Chloride</b>	<b>0.0035</b>		0.0019	0.0011	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
<b>Acetone</b>	<b>0.012</b>		0.0057	0.0055	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
<b>Carbon disulfide</b>	<b>0.00067</b>	<b>J **</b>	0.00095	0.00025	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Trichlorofluoromethane	0.00039	U	0.00095	0.00039	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,1-Dichloroethene	0.00021	U	0.00095	0.00021	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,1-Dichloroethane	0.00020	U	0.00095	0.00020	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
trans-1,2-Dichloroethene	0.00023	U	0.00095	0.00023	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
cis-1,2-Dichloroethene	0.00034	U	0.00095	0.00034	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Chloroform	0.00093	U	0.00095	0.00093	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,2-Dichloroethane	0.00028	U	0.00095	0.00028	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
2-Butanone (MEK)	0.00035	U	0.0048	0.00035	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,1,1-Trichloroethane	0.00022	U	0.00095	0.00022	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Carbon tetrachloride	0.00037	U **	0.00095	0.00037	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Dichlorobromomethane	0.00025	U	0.00095	0.00025	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,2-Dichloropropane	0.00040	U	0.00095	0.00040	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
cis-1,3-Dichloropropene	0.00026	U	0.00095	0.00026	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Trichloroethene	0.00031	U	0.00095	0.00031	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Chlorodibromomethane	0.00019	U **	0.00095	0.00019	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,1,2-Trichloroethane	0.00017	U	0.00095	0.00017	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Benzene	0.00025	U	0.00095	0.00025	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
trans-1,3-Dichloropropene	0.00025	U	0.00095	0.00025	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Bromoform	0.00041	U **	0.00095	0.00041	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
4-Methyl-2-pentanone (MIBK)	0.0015	U	0.0048	0.0015	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
2-Hexanone	0.0016	U **	0.0048	0.0016	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
<b>Tetrachloroethene</b>	<b>0.00044</b>	<b>J</b>	0.00095	0.00029	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,1,2,2-Tetrachloroethane	0.00020	U	0.00095	0.00020	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Toluene	0.00022	U	0.00095	0.00022	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Chlorobenzene	0.00017	U	0.00095	0.00017	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Ethylbenzene	0.00019	U	0.00095	0.00019	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Styrene	0.00027	U	0.00095	0.00027	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
m-Xylene & p-Xylene	0.00017	U	0.00095	0.00017	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
o-Xylene	0.00019	U	0.00095	0.00019	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Acrolein	0.027	U	0.095	0.027	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00029	U	0.00095	0.00029	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
TBA	0.0075	U	0.0095	0.0075	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Acrylonitrile	0.0046	U	0.0095	0.0046	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Methyl tert-butyl ether	0.00049	U	0.00095	0.00049	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Cyclohexane	0.00021	U	0.00095	0.00021	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Ethylene Dibromide	0.00017	U	0.00095	0.00017	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,3-Dichlorobenzene	0.00035	U	0.00095	0.00035	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,4-Dichlorobenzene	0.00021	U	0.00095	0.00021	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,2-Dichlorobenzene	0.00034	U	0.00095	0.00034	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Dichlorodifluoromethane	0.00032	U	0.00095	0.00032	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,2,4-Trichlorobenzene	0.00034	U	0.00095	0.00034	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,4-Dioxane	0.0088	U	0.095	0.0088	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-G**

**Lab Sample ID: 460-267197-1**

**Date Collected: 10/10/22 12:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.4**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.00017	U	0.00095	0.00017	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
1,2-Dibromo-3-Chloropropane	0.00044	U	0.00095	0.00044	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Chlorobromomethane	0.00027	U	0.00095	0.00027	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Isopropylbenzene	0.00027	U	0.00095	0.00027	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Methyl acetate	0.0041	U	0.0048	0.0041	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1
Methylcyclohexane	0.00048	U	0.00095	0.00048	mg/Kg	☼	10/11/22 22:51	10/12/22 22:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			10/11/22 22:51	10/12/22 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		72 - 145	10/11/22 22:51	10/12/22 22:45	1
Toluene-d8 (Surr)	100		80 - 120	10/11/22 22:51	10/12/22 22:45	1
4-Bromofluorobenzene	102		75 - 139	10/11/22 22:51	10/12/22 22:45	1
Dibromofluoromethane (Surr)	117		73 - 139	10/11/22 22:51	10/12/22 22:45	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0026	U	0.010	0.0026	mg/L			10/14/22 16:11	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/14/22 16:11	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/14/22 16:11	10
Benzene	0.0020	U	0.010	0.0020	mg/L			10/14/22 16:11	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/14/22 16:11	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/14/22 16:11	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/14/22 16:11	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/14/22 16:11	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/14/22 16:11	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/14/22 16:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 128		10/14/22 16:11	10
4-Bromofluorobenzene	113		76 - 120		10/14/22 16:11	10
Dibromofluoromethane (Surr)	85		77 - 124		10/14/22 16:11	10
Toluene-d8 (Surr)	87		80 - 120		10/14/22 16:11	10

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.6		1.0	1.0	%			10/11/22 12:20	1
Percent Solids (EPA Moisture)	85.4		1.0	1.0	%			10/11/22 12:20	1

**Client Sample ID: B-20-C**

**Lab Sample ID: 460-267197-2**

**Date Collected: 10/10/22 12:50**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.8**

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2-Chlorophenol	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2-Methylphenol	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4-Methylphenol	0.024	U	0.38	0.024	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2-Nitrophenol	0.038	U	0.38	0.038	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-C**

**Lab Sample ID: 460-267197-2**

**Date Collected: 10/10/22 12:50**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.8**

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.046	U	0.38	0.046	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,4-Dichlorophenol	0.025	U	0.15	0.025	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4-Chloro-3-methylphenol	0.022	U	0.38	0.022	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,4,6-Trichlorophenol	0.049	U	0.15	0.049	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,4,5-Trichlorophenol	0.039	U	0.38	0.039	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,4-Dinitrotoluene	0.041	U	0.078	0.041	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4-Nitrophenol	0.063	U	0.78	0.063	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4,6-Dinitro-2-methylphenol	0.16	U	0.31	0.16	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Pentachlorophenol	0.079	U	0.31	0.079	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
N-Nitrosodimethylamine	0.036	U	0.38	0.036	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Bis(2-chloroethyl)ether	0.013	U	0.038	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
N-Nitrosodi-n-propylamine	0.028	U	0.038	0.028	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Hexachloroethane	0.013	U	0.038	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Nitrobenzene	0.021	U	0.038	0.021	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Naphthalene</b>	<b>0.053</b>	<b>J</b>	0.38	0.0066	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4-Chloroaniline	0.068	U	0.38	0.068	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Hexachlorobutadiene	0.0082	U	0.078	0.0082	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>2-Methylnaphthalene</b>	<b>0.024</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Hexachlorocyclopentadiene	0.034	U	0.38	0.034	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2-Chloronaphthalene	0.018	U	0.38	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2-Nitroaniline	0.029	U	0.38	0.029	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Dimethyl phthalate	0.087	U	0.38	0.087	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Acenaphthylene</b>	<b>0.046</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,6-Dinitrotoluene	0.028	U	0.078	0.028	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
3-Nitroaniline	0.091	U	0.38	0.091	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Acenaphthene</b>	<b>0.098</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Dibenzofuran</b>	<b>0.064</b>	<b>J</b>	0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,4-Dinitrophenol	0.19	U	0.31	0.19	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Diethyl phthalate	0.012	U	0.38	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4-Chlorophenyl phenyl ether	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Fluorene</b>	<b>0.11</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4-Nitroaniline	0.044	U	0.38	0.044	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
N-Nitrosodiphenylamine	0.032	U	0.38	0.032	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
4-Bromophenyl phenyl ether	0.015	U	0.38	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Hexachlorobenzene	0.018	U	0.038	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Phenanthrene</b>	<b>1.3</b>		0.38	0.0067	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Anthracene</b>	<b>0.39</b>		0.38	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Carbazole</b>	<b>0.15</b>	<b>J</b>	0.38	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Di-n-butyl phthalate	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Fluoranthene</b>	<b>1.8</b>		0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Pyrene</b>	<b>1.6</b>		0.38	0.0095	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Benzidine	0.080	U	0.38	0.080	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Butyl benzyl phthalate	0.018	U	0.38	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Benzo[a]anthracene</b>	<b>0.91</b>		0.038	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Chrysene</b>	<b>0.92</b>		0.38	0.0065	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Bis(2-ethylhexyl) phthalate	0.020	U	0.38	0.020	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Di-n-octyl phthalate	0.020	U	0.38	0.020	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
<b>Benzo[b]fluoranthene</b>	<b>1.0</b>		0.038	0.0099	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-C**

**Lab Sample ID: 460-267197-2**

**Date Collected: 10/10/22 12:50**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.8**

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	0.38		0.038	0.0075	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Benzo[a]pyrene	0.80		0.038	0.010	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Indeno[1,2,3-cd]pyrene	0.50		0.038	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Dibenz(a,h)anthracene	0.14		0.038	0.017	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Benzo[g,h,i]perylene	0.37	J	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
1,2-Diphenylhydrazine	0.015	U	0.38	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
1,1'-Biphenyl	0.013	U	0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Acetophenone	0.019	U	0.38	0.019	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Benzaldehyde	0.063	U	0.38	0.063	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Caprolactam	0.060	U	0.38	0.060	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Atrazine	0.023	U	0.15	0.023	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,2'-oxybis[1-chloropropane]	0.0069	U	0.38	0.0069	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
1,2,4,5-Tetrachlorobenzene	0.012	U	0.38	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
2,3,4,6-Tetrachlorophenol	0.026	U	0.38	0.026	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
3,3'-Dichlorobenzidine	0.058	U	0.15	0.058	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1
Bis(2-chloroethoxy)methane	0.030	U	0.38	0.030	mg/Kg	☼	10/11/22 16:59	10/12/22 06:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzo[e]pyrene	0.46	J N	mg/Kg	☼	13.03	192-97-2	10/11/22 16:59	10/12/22 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		16 - 125	10/11/22 16:59	10/12/22 06:45	1
Phenol-d5 (Surr)	79		23 - 120	10/11/22 16:59	10/12/22 06:45	1
Terphenyl-d14 (Surr)	92		25 - 126	10/11/22 16:59	10/12/22 06:45	1
2,4,6-Tribromophenol (Surr)	92		10 - 123	10/11/22 16:59	10/12/22 06:45	1
2-Fluorophenol (Surr)	81		18 - 123	10/11/22 16:59	10/12/22 06:45	1
2-Fluorobiphenyl	92		22 - 122	10/11/22 16:59	10/12/22 06:45	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/13/22 10:00	10/13/22 22:15	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 22:15	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 22:15	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/13/22 10:00	10/13/22 22:15	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:15	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:15	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/13/22 10:00	10/13/22 22:15	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/13/22 10:00	10/13/22 22:15	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/13/22 10:00	10/13/22 22:15	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:15	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/13/22 10:00	10/13/22 22:15	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/13/22 10:00	10/13/22 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		37 - 150	10/13/22 10:00	10/13/22 22:15	1
2-Fluorobiphenyl	63		46 - 139	10/13/22 10:00	10/13/22 22:15	1
2-Fluorophenol (Surr)	34		19 - 80	10/13/22 10:00	10/13/22 22:15	1
Nitrobenzene-d5 (Surr)	73		52 - 137	10/13/22 10:00	10/13/22 22:15	1
Phenol-d5 (Surr)	21		10 - 56	10/13/22 10:00	10/13/22 22:15	1
Terphenyl-d14 (Surr)	45		22 - 150	10/13/22 10:00	10/13/22 22:15	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-C**

**Lab Sample ID: 460-267197-2**

**Date Collected: 10/10/22 12:50**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.8**

## Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0078	0.0013	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
<b>4,4'-DDE</b>	<b>0.0066</b>	<b>J</b>	0.0078	0.00092	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
<b>4,4'-DDT</b>	<b>0.016</b>		0.0078	0.0014	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Aldrin	0.0012	U	0.0078	0.0012	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
alpha-BHC	0.00079	U	0.0023	0.00079	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
beta-BHC	0.00087	U	0.0023	0.00087	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
<b>Chlordane (technical)</b>	<b>0.10</b>		0.078	0.019	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
delta-BHC	0.00048	U	0.0023	0.00048	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Dieldrin	0.0010	U	0.0023	0.0010	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Endosulfan I	0.0012	U	0.0078	0.0012	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Endosulfan II	0.0020	U	0.0078	0.0020	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Endosulfan sulfate	0.00097	U	0.0078	0.00097	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Endrin	0.0011	U	0.0078	0.0011	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Endrin aldehyde	0.0018	U	0.0078	0.0018	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Endrin ketone	0.0015	U	0.0078	0.0015	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
gamma-BHC (Lindane)	0.00072	U	0.0023	0.00072	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Heptachlor	0.00092	U	0.0078	0.00092	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Heptachlor epoxide	0.0012	U	0.0078	0.0012	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Methoxychlor	0.0018	U	0.0078	0.0018	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1
Toxaphene	0.028	U	0.078	0.028	mg/Kg	✳	10/11/22 16:56	10/12/22 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		43 - 150	10/11/22 16:56	10/12/22 19:21	1
DCB Decachlorobiphenyl	102		43 - 150	10/11/22 16:56	10/12/22 19:21	1
Tetrachloro-m-xylene	93		26 - 137	10/11/22 16:56	10/12/22 19:21	1
Tetrachloro-m-xylene	88		26 - 137	10/11/22 16:56	10/12/22 19:21	1

## Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/13/22 09:57	10/14/22 04:45	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 04:45	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/13/22 09:57	10/14/22 04:45	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/13/22 09:57	10/14/22 04:45	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/13/22 09:57	10/14/22 04:45	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 04:45	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/13/22 09:57	10/14/22 04:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		15 - 121	10/13/22 09:57	10/14/22 04:45	1
DCB Decachlorobiphenyl	97		15 - 121	10/13/22 09:57	10/14/22 04:45	1
Tetrachloro-m-xylene	82		17 - 120	10/13/22 09:57	10/14/22 04:45	1
Tetrachloro-m-xylene	82		17 - 120	10/13/22 09:57	10/14/22 04:45	1

## Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 14:30	1
Aroclor 1221	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 14:30	1
Aroclor 1232	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 14:30	1
Aroclor 1242	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 14:30	1
Aroclor 1248	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 14:30	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-C**

**Lab Sample ID: 460-267197-2**

Date Collected: 10/10/22 12:50

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.8

## Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.021	U	0.078	0.021	mg/Kg	☼	10/11/22 16:33	10/12/22 14:30	1
Aroclor 1260	0.021	U	0.078	0.021	mg/Kg	☼	10/11/22 16:33	10/12/22 14:30	1
Aroclor-1262	0.021	U	0.078	0.021	mg/Kg	☼	10/11/22 16:33	10/12/22 14:30	1
Aroclor 1268	0.021	U	0.078	0.021	mg/Kg	☼	10/11/22 16:33	10/12/22 14:30	1
Polychlorinated biphenyls, Total	0.021	U	0.078	0.021	mg/Kg	☼	10/11/22 16:33	10/12/22 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		10 - 150	10/11/22 16:33	10/12/22 14:30	1
DCB Decachlorobiphenyl	101		10 - 150	10/11/22 16:33	10/12/22 14:30	1
Tetrachloro-m-xylene	103		42 - 150	10/11/22 16:33	10/12/22 14:30	1
Tetrachloro-m-xylene	102		42 - 150	10/11/22 16:33	10/12/22 14:30	1

## Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.014	U	0.039	0.014	mg/Kg	☼	10/12/22 10:43	10/13/22 11:02	1
Silvex (2,4,5-TP)	0.0040	U	0.039	0.0040	mg/Kg	☼	10/12/22 10:43	10/13/22 11:02	1
2,4,5-T	0.0082	U	0.039	0.0082	mg/Kg	☼	10/12/22 10:43	10/13/22 11:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	94		27 - 150	10/12/22 10:43	10/13/22 11:02	1
2,4-Dichlorophenylacetic acid	123		27 - 150	10/12/22 10:43	10/13/22 11:02	1

## Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.00030	U	0.0050	0.00030	mg/L		10/13/22 10:13	10/14/22 08:32	1
Silvex (2,4,5-TP)	0.00024	U	0.0050	0.00024	mg/L		10/13/22 10:13	10/14/22 08:32	1
2,4,5-T	0.00012	U	0.0050	0.00012	mg/L		10/13/22 10:13	10/14/22 08:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	50		10 - 150	10/13/22 10:13	10/14/22 08:32	1
2,4-Dichlorophenylacetic acid	51		10 - 150	10/13/22 10:13	10/14/22 08:32	1

## Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total EPH (C9-C40)</b>	<b>100</b>		16	16	mg/Kg	☼	10/12/22 11:25	10/13/22 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		40 - 140	10/12/22 11:25	10/13/22 14:51	1
1-Chlorooctadecane	92		40 - 140	10/12/22 11:25	10/13/22 14:51	1

## Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Silver</b>	<b>0.12</b>	<b>J</b>	0.46	0.10	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Aluminum</b>	<b>10100</b>		22.9	6.3	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Arsenic</b>	<b>6.0</b>		1.1	0.12	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Barium</b>	<b>91.0</b>		2.3	0.17	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Beryllium</b>	<b>0.55</b>		0.46	0.065	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Calcium</b>	<b>6190</b>		114	20.2	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Cadmium</b>	<b>0.31</b>	<b>J</b>	1.1	0.13	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Cobalt</b>	<b>7.5</b>		2.3	0.17	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
<b>Chromium</b>	<b>19.8</b>		2.3	1.0	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-C**

**Lab Sample ID: 460-267197-2**

Date Collected: 10/10/22 12:50

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.8

## Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	43.7		2.3	0.42	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Iron	16800		68.6	23.1	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Potassium	1200		114	18.5	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Magnesium	2690		114	11.7	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Manganese	288		4.6	0.46	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Sodium	122		114	52.2	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Nickel	16.2		2.3	0.54	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Lead	122		0.69	0.23	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Antimony	0.24	J	1.1	0.17	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Selenium	0.93	J	1.4	0.15	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Thallium	0.13	J	0.46	0.047	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Vanadium	25.6		2.3	0.24	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1
Zinc	116		9.1	3.5	mg/Kg	☼	10/12/22 08:54	10/13/22 11:24	1

## Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0029	U	0.020	0.0029	mg/L		10/13/22 15:15	10/14/22 12:32	10
Arsenic	0.0089	U	0.020	0.0089	mg/L		10/13/22 15:15	10/14/22 12:32	10
Barium	0.61		0.040	0.0091	mg/L		10/13/22 15:15	10/14/22 12:32	10
Cadmium	0.0041	J	0.020	0.0039	mg/L		10/13/22 15:15	10/14/22 12:32	10
Chromium	0.025	U	0.040	0.025	mg/L		10/13/22 15:15	10/14/22 12:32	10
Lead	0.20		0.012	0.0084	mg/L		10/13/22 15:15	10/14/22 12:32	10
Selenium	0.0059	U	0.025	0.0059	mg/L		10/13/22 15:15	10/14/22 12:32	10

## Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/13/22 12:18	10/13/22 15:37	1

## Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.53		0.019	0.0092	mg/Kg	☼	10/12/22 00:34	10/12/22 05:58	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	HF	NONE	NONE	SU			10/14/22 16:38	1
Temperature (SW846 9045D)	22.3	HF			Degrees C			10/14/22 16:38	1
Corrosivity (SW846 9045D)	8.2	HF			SU			10/14/22 16:38	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.17	J F1	0.26	0.14	mg/L	☼	10/12/22 18:56	10/12/22 21:56	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	2.20	U	2.20	2.20	mm/sec			10/14/22 16:22	1
Cyanide, Reactive (SW846 9014)	25.0	U	25.0	25.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Sulfide, Reactive (SW846 9034)	20.0	U	20.0	20.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Free Liquid (SW846 9095B)	0.500	U	0.500	0.500	mL/100g			10/14/22 14:15	1
Percent Moisture (EPA Moisture)	14.2		1.0	1.0	%			10/13/22 12:36	1
Percent Solids (EPA Moisture)	85.8		1.0	1.0	%			10/13/22 12:36	1
Total Volatile Solids (SM 2540G)	2.4		0.10	0.10	%			10/12/22 12:44	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-C**

**Lab Sample ID: 460-267197-2**

Date Collected: 10/10/22 12:50

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.8

**Method: ASTM D422 - Grain Size**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	6.4				%			10/20/22 17:16	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			10/20/22 17:16	1
Sand	46.6				%			10/20/22 17:16	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			10/20/22 17:16	1
Coarse Sand	6.0				%			10/20/22 17:16	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			10/20/22 17:16	1
Medium Sand	14.1				%			10/20/22 17:16	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			10/20/22 17:16	1
Fine Sand	26.5				%			10/20/22 17:16	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			10/20/22 17:16	1
Fines	47.0				%			10/20/22 17:16	1
Sieve Size 0.375 inch - Percent Finer	98.7				% Passing			10/20/22 17:16	1
Sieve Size #4 - Percent Finer	93.6				% Passing			10/20/22 17:16	1
Sieve Size #10 - Percent Finer	87.6				% Passing			10/20/22 17:16	1
Sieve Size #20 - Percent Finer	81.8				% Passing			10/20/22 17:16	1
Sieve Size #40 - Percent Finer	73.5				% Passing			10/20/22 17:16	1
Sieve Size #60 - Percent Finer	63.5				% Passing			10/20/22 17:16	1
Sieve Size #80 - Percent Finer	59.3				% Passing			10/20/22 17:16	1
Sieve Size #100 - Percent Finer	55.5				% Passing			10/20/22 17:16	1
Sieve Size #200 - Percent Finer	47.0				% Passing			10/20/22 17:16	1

**Client Sample ID: B-21-G**

**Lab Sample ID: 460-267197-3**

Date Collected: 10/10/22 13:10

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 86.5

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00039	U	0.00089	0.00039	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Bromomethane	0.00089	U	0.0018	0.00089	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Vinyl chloride	0.00049	U	0.00089	0.00049	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Chloroethane	0.00047	U	0.00089	0.00047	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
<b>Methylene Chloride</b>	<b>0.0050</b>		0.0018	0.0010	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
<b>Acetone</b>	<b>0.0088</b>		0.0054	0.0051	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
<b>Carbon disulfide</b>	<b>0.00071</b>	<b>J **</b>	0.00089	0.00024	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Trichlorofluoromethane	0.00036	U	0.00089	0.00036	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,1-Dichloroethene	0.00020	U	0.00089	0.00020	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,1-Dichloroethane	0.00018	U	0.00089	0.00018	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
trans-1,2-Dichloroethene	0.00022	U	0.00089	0.00022	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
cis-1,2-Dichloroethene	0.00032	U	0.00089	0.00032	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Chloroform	0.00087	U	0.00089	0.00087	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,2-Dichloroethane	0.00026	U	0.00089	0.00026	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
2-Butanone (MEK)	0.00033	U	0.0045	0.00033	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,1,1-Trichloroethane	0.00021	U	0.00089	0.00021	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Carbon tetrachloride	0.00035	U *	0.00089	0.00035	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Dichlorobromomethane	0.00023	U	0.00089	0.00023	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,2-Dichloropropane	0.00038	U	0.00089	0.00038	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
cis-1,3-Dichloropropene	0.00024	U	0.00089	0.00024	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Trichloroethene	0.00029	U	0.00089	0.00029	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-G**

**Lab Sample ID: 460-267197-3**

Date Collected: 10/10/22 13:10

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 86.5

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.00017	U **	0.00089	0.00017	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,1,2-Trichloroethane	0.00016	U	0.00089	0.00016	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Benzene	0.00023	U	0.00089	0.00023	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
trans-1,3-Dichloropropene	0.00024	U	0.00089	0.00024	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Bromoform	0.00038	U **	0.00089	0.00038	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
4-Methyl-2-pentanone (MIBK)	0.0014	U	0.0045	0.0014	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
2-Hexanone	0.0015	U **	0.0045	0.0015	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
<b>Tetrachloroethene</b>	<b>0.0010</b>		0.00089	0.00027	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,1,2,2-Tetrachloroethane	0.00019	U	0.00089	0.00019	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Toluene	0.00021	U	0.00089	0.00021	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Chlorobenzene	0.00016	U	0.00089	0.00016	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Ethylbenzene	0.00018	U	0.00089	0.00018	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Styrene	0.00025	U	0.00089	0.00025	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
m-Xylene & p-Xylene	0.00016	U	0.00089	0.00016	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
<b>o-Xylene</b>	<b>0.00019</b>	<b>J</b>	0.00089	0.00017	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Acrolein	0.025	U	0.089	0.025	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00027	U	0.00089	0.00027	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
TBA	0.0070	U	0.0089	0.0070	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Acrylonitrile	0.0043	U	0.0089	0.0043	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Methyl tert-butyl ether	0.00046	U	0.00089	0.00046	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Cyclohexane	0.00020	U	0.00089	0.00020	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Ethylene Dibromide	0.00016	U	0.00089	0.00016	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,3-Dichlorobenzene	0.00033	U	0.00089	0.00033	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,4-Dichlorobenzene	0.00020	U	0.00089	0.00020	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,2-Dichlorobenzene	0.00032	U	0.00089	0.00032	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Dichlorodifluoromethane	0.00030	U	0.00089	0.00030	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,2,4-Trichlorobenzene	0.00032	U	0.00089	0.00032	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,4-Dioxane	0.0082	U	0.089	0.0082	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,2,3-Trichlorobenzene	0.00016	U	0.00089	0.00016	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
1,2-Dibromo-3-Chloropropane	0.00041	U	0.00089	0.00041	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Chlorobromomethane	0.00025	U	0.00089	0.00025	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Isopropylbenzene	0.00025	U	0.00089	0.00025	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
Methyl acetate	0.0038	U	0.0045	0.0038	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1
<b>Methylcyclohexane</b>	<b>0.00045</b>	<b>J</b>	0.00089	0.00045	mg/Kg	☼	10/11/22 22:52	10/12/22 23:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.015	J	mg/Kg	☼	9.27		10/11/22 22:52	10/12/22 23:08	1
Unknown	0.016	J	mg/Kg	☼	9.63		10/11/22 22:52	10/12/22 23:08	1
1R-.alpha.-Pinene	0.32	J N	mg/Kg	☼	9.75	7785-70-8	10/11/22 22:52	10/12/22 23:08	1
Camphene	0.025	J N	mg/Kg	☼	10.03	79-92-5	10/11/22 22:52	10/12/22 23:08	1
Unknown	0.018	J	mg/Kg	☼	10.09		10/11/22 22:52	10/12/22 23:08	1
Unknown	0.0097	J	mg/Kg	☼	10.29		10/11/22 22:52	10/12/22 23:08	1
.beta.-Pinene	0.022	J N	mg/Kg	☼	10.41	127-91-3	10/11/22 22:52	10/12/22 23:08	1
Decane	0.021	J N	mg/Kg	☼	10.44	124-18-5	10/11/22 22:52	10/12/22 23:08	1
Unknown	0.014	J	mg/Kg	☼	10.72		10/11/22 22:52	10/12/22 23:08	1
Unknown	0.013	J	mg/Kg	☼	11.47		10/11/22 22:52	10/12/22 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		72 - 145	10/11/22 22:52	10/12/22 23:08	1
Toluene-d8 (Surr)	99		80 - 120	10/11/22 22:52	10/12/22 23:08	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-G**

**Lab Sample ID: 460-267197-3**

Date Collected: 10/10/22 13:10

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 86.5

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		75 - 139	10/11/22 22:52	10/12/22 23:08	1
Dibromofluoromethane (Surr)	115		73 - 139	10/11/22 22:52	10/12/22 23:08	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0026	U	0.010	0.0026	mg/L			10/14/22 16:36	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/14/22 16:36	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/14/22 16:36	10
Benzene	0.0020	U	0.010	0.0020	mg/L			10/14/22 16:36	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/14/22 16:36	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/14/22 16:36	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/14/22 16:36	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/14/22 16:36	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/14/22 16:36	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/14/22 16:36	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 128		10/14/22 16:36	10
4-Bromofluorobenzene	112		76 - 120		10/14/22 16:36	10
Dibromofluoromethane (Surr)	84		77 - 124		10/14/22 16:36	10
Toluene-d8 (Surr)	87		80 - 120		10/14/22 16:36	10

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.5		1.0	1.0	%			10/11/22 12:20	1
Percent Solids (EPA Moisture)	86.5		1.0	1.0	%			10/11/22 12:20	1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

Date Collected: 10/10/22 13:40

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 87.5

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2-Chlorophenol	0.013	U	0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2-Methylphenol	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
4-Methylphenol	0.024	U	0.38	0.024	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2-Nitrophenol	0.038	U	0.38	0.038	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2,4-Dimethylphenol	0.045	U	0.38	0.045	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2,4-Dichlorophenol	0.024	U	0.15	0.024	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
4-Chloro-3-methylphenol	0.021	U	0.38	0.021	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2,4,6-Trichlorophenol	0.048	U	0.15	0.048	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2,4,5-Trichlorophenol	0.038	U	0.38	0.038	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2,4-Dinitrotoluene	0.041	U	0.076	0.041	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
4-Nitrophenol	0.061	U	0.76	0.061	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
4,6-Dinitro-2-methylphenol	0.15	U	0.30	0.15	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
Pentachlorophenol	0.077	U	0.30	0.077	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
N-Nitrosodimethylamine	0.035	U	0.38	0.035	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
Bis(2-chloroethyl)ether	0.013	U	0.038	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
N-Nitrosodi-n-propylamine	0.027	U	0.038	0.027	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

**Date Collected: 10/10/22 13:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 87.5**

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.013	U	0.038	0.013	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Nitrobenzene	0.021	U	0.038	0.021	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Naphthalene</b>	<b>0.080</b>	<b>J</b>	0.38	0.0065	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
4-Chloroaniline	0.067	U	0.38	0.067	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Hexachlorobutadiene	0.0080	U	0.076	0.0080	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>2-Methylnaphthalene</b>	<b>0.044</b>	<b>J</b>	0.38	0.011	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Hexachlorocyclopentadiene	0.033	U	0.38	0.033	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
2-Chloronaphthalene	0.017	U	0.38	0.017	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
2-Nitroaniline	0.029	U	0.38	0.029	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Dimethyl phthalate	0.086	U	0.38	0.086	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Acenaphthylene</b>	<b>0.032</b>	<b>J</b>	0.38	0.011	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
2,6-Dinitrotoluene	0.027	U	0.076	0.027	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
3-Nitroaniline	0.089	U	0.38	0.089	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Acenaphthene</b>	<b>0.11</b>	<b>J</b>	0.38	0.011	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Dibenzofuran</b>	<b>0.069</b>	<b>J</b>	0.38	0.013	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
2,4-Dinitrophenol	0.19	U	0.30	0.19	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Diethyl phthalate	0.012	U	0.38	0.012	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
4-Chlorophenyl phenyl ether	0.013	U	0.38	0.013	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Fluorene</b>	<b>0.092</b>	<b>J</b>	0.38	0.011	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
4-Nitroaniline	0.043	U	0.38	0.043	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
N-Nitrosodiphenylamine	0.031	U	0.38	0.031	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
4-Bromophenyl phenyl ether	0.015	U	0.38	0.015	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Hexachlorobenzene	0.018	U	0.038	0.018	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Phenanthrene</b>	<b>1.1</b>		0.38	0.0066	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Anthracene</b>	<b>0.40</b>		0.38	0.011	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Carbazole</b>	<b>0.13</b>	<b>J</b>	0.38	0.014	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Di-n-butyl phthalate	0.014	U	0.38	0.014	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Fluoranthene</b>	<b>1.5</b>		0.38	0.013	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Pyrene</b>	<b>1.3</b>		0.38	0.0094	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Benzidine	0.079	U	0.38	0.079	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Butyl benzyl phthalate	0.018	U	0.38	0.018	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Benzo[a]anthracene</b>	<b>0.71</b>		0.038	0.013	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Chrysene</b>	<b>0.77</b>		0.38	0.0064	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.021</b>	<b>J</b>	0.38	0.020	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Di-n-octyl phthalate	0.020	U	0.38	0.020	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Benzo[b]fluoranthene</b>	<b>0.88</b>		0.038	0.0097	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Benzo[k]fluoranthene</b>	<b>0.31</b>		0.038	0.0074	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Benzo[a]pyrene</b>	<b>0.66</b>		0.038	0.010	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.43</b>		0.038	0.015	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Dibenz(a,h)anthracene</b>	<b>0.12</b>		0.038	0.016	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
<b>Benzo[g,h,i]perylene</b>	<b>0.32</b>	<b>J</b>	0.38	0.011	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
1,2-Diphenylhydrazine	0.015	U	0.38	0.015	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
1,1'-Biphenyl	0.013	U	0.38	0.013	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Acetophenone	0.018	U	0.38	0.018	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Benzaldehyde	0.062	U	0.38	0.062	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Caprolactam	0.059	U	0.38	0.059	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
Atrazine	0.022	U	0.15	0.022	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1
2,2'-oxybis[1-chloropropane]	0.0068	U	0.38	0.0068	mg/Kg	✳	10/11/22 16:59	10/12/22 07:08	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

**Date Collected: 10/10/22 13:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 87.5**

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.012	U	0.38	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
2,3,4,6-Tetrachlorophenol	0.026	U	0.38	0.026	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
3,3'-Dichlorobenzidine	0.057	U	0.15	0.057	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1
Bis(2-chloroethoxy)methane	0.029	U	0.38	0.029	mg/Kg	☼	10/11/22 16:59	10/12/22 07:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
.alpha.-Pinene	0.36	J N	mg/Kg	☼	3.59	80-56-8	10/11/22 16:59	10/12/22 07:08	1
Unknown	0.37	J	mg/Kg	☼	3.81		10/11/22 16:59	10/12/22 07:08	1
Unknown	0.33	J	mg/Kg	☼	4.01		10/11/22 16:59	10/12/22 07:08	1
Decane	1.6	J N	mg/Kg	☼	4.09	124-18-5	10/11/22 16:59	10/12/22 07:08	1
Cyclohexane, butyl-	0.45	J N	mg/Kg	☼	4.39	1678-93-9	10/11/22 16:59	10/12/22 07:08	1
Naphthalene, decahydro-	0.41	J N	mg/Kg	☼	4.63	91-17-8	10/11/22 16:59	10/12/22 07:08	1
Unknown	0.83	J	mg/Kg	☼	4.83		10/11/22 16:59	10/12/22 07:08	1
Benzo[e]pyrene	0.43	J N	mg/Kg	☼	13.03	192-97-2	10/11/22 16:59	10/12/22 07:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		16 - 125	10/11/22 16:59	10/12/22 07:08	1
Phenol-d5 (Surr)	79		23 - 120	10/11/22 16:59	10/12/22 07:08	1
Terphenyl-d14 (Surr)	95		25 - 126	10/11/22 16:59	10/12/22 07:08	1
2,4,6-Tribromophenol (Surr)	94		10 - 123	10/11/22 16:59	10/12/22 07:08	1
2-Fluorophenol (Surr)	84		18 - 123	10/11/22 16:59	10/12/22 07:08	1
2-Fluorobiphenyl	94		22 - 122	10/11/22 16:59	10/12/22 07:08	1

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/13/22 10:00	10/13/22 22:36	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 22:36	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 22:36	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/13/22 10:00	10/13/22 22:36	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:36	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:36	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/13/22 10:00	10/13/22 22:36	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/13/22 10:00	10/13/22 22:36	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/13/22 10:00	10/13/22 22:36	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:36	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/13/22 10:00	10/13/22 22:36	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/13/22 10:00	10/13/22 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		37 - 150	10/13/22 10:00	10/13/22 22:36	1
2-Fluorobiphenyl	70		46 - 139	10/13/22 10:00	10/13/22 22:36	1
2-Fluorophenol (Surr)	36		19 - 80	10/13/22 10:00	10/13/22 22:36	1
Nitrobenzene-d5 (Surr)	75		52 - 137	10/13/22 10:00	10/13/22 22:36	1
Phenol-d5 (Surr)	23		10 - 56	10/13/22 10:00	10/13/22 22:36	1
Terphenyl-d14 (Surr)	50		22 - 150	10/13/22 10:00	10/13/22 22:36	1

## Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0034	J p	0.0077	0.0013	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
4,4'-DDE	0.010		0.0077	0.00090	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
4,4'-DDT	0.035		0.0077	0.0014	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

**Date Collected: 10/10/22 13:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 87.5**

## Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0012	U	0.0077	0.0012	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
alpha-BHC	0.00078	U	0.0023	0.00078	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
beta-BHC	0.00086	U	0.0023	0.00086	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
<b>Chlordane (technical)</b>	<b>0.13</b>		0.077	0.019	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
delta-BHC	0.00047	U	0.0023	0.00047	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Dieldrin	0.00099	U	0.0023	0.00099	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Endosulfan I	0.0012	U	0.0077	0.0012	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Endosulfan II	0.0020	U	0.0077	0.0020	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Endosulfan sulfate	0.00096	U	0.0077	0.00096	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Endrin	0.0011	U	0.0077	0.0011	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Endrin aldehyde	0.0018	U	0.0077	0.0018	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Endrin ketone	0.0015	U	0.0077	0.0015	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
gamma-BHC (Lindane)	0.00071	U	0.0023	0.00071	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Heptachlor	0.00090	U	0.0077	0.00090	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Heptachlor epoxide	0.0011	U	0.0077	0.0011	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Methoxychlor	0.0017	U	0.0077	0.0017	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1
Toxaphene	0.028	U	0.077	0.028	mg/Kg	☼	10/11/22 16:56	10/12/22 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		43 - 150	10/11/22 16:56	10/12/22 19:36	1
DCB Decachlorobiphenyl	108		43 - 150	10/11/22 16:56	10/12/22 19:36	1
Tetrachloro-m-xylene	86		26 - 137	10/11/22 16:56	10/12/22 19:36	1
Tetrachloro-m-xylene	80		26 - 137	10/11/22 16:56	10/12/22 19:36	1

## Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/13/22 09:57	10/14/22 04:59	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 04:59	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/13/22 09:57	10/14/22 04:59	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/13/22 09:57	10/14/22 04:59	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/13/22 09:57	10/14/22 04:59	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 04:59	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/13/22 09:57	10/14/22 04:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		15 - 121	10/13/22 09:57	10/14/22 04:59	1
DCB Decachlorobiphenyl	103		15 - 121	10/13/22 09:57	10/14/22 04:59	1
Tetrachloro-m-xylene	78		17 - 120	10/13/22 09:57	10/14/22 04:59	1
Tetrachloro-m-xylene	81		17 - 120	10/13/22 09:57	10/14/22 04:59	1

## Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Aroclor 1221	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Aroclor 1232	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Aroclor 1242	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Aroclor 1248	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Aroclor 1254	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Aroclor 1260	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Aroclor-1262	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

**Date Collected: 10/10/22 13:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 87.5**

## Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Polychlorinated biphenyls, Total	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	103		10 - 150				10/11/22 16:33	10/12/22 14:46	1
DCB Decachlorobiphenyl	101		10 - 150				10/11/22 16:33	10/12/22 14:46	1
Tetrachloro-m-xylene	96		42 - 150				10/11/22 16:33	10/12/22 14:46	1
Tetrachloro-m-xylene	95		42 - 150				10/11/22 16:33	10/12/22 14:46	1

## Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.014	U	0.038	0.014	mg/Kg	☼	10/12/22 10:43	10/13/22 11:16	1
Silvex (2,4,5-TP)	0.0040	U	0.038	0.0040	mg/Kg	☼	10/12/22 10:43	10/13/22 11:16	1
2,4,5-T	0.0081	U	0.038	0.0081	mg/Kg	☼	10/12/22 10:43	10/13/22 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	101		27 - 150				10/12/22 10:43	10/13/22 11:16	1
2,4-Dichlorophenylacetic acid	115		27 - 150				10/12/22 10:43	10/13/22 11:16	1

## Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.00030	U	0.0050	0.00030	mg/L		10/13/22 10:13	10/14/22 08:46	1
Silvex (2,4,5-TP)	0.00024	U	0.0050	0.00024	mg/L		10/13/22 10:13	10/14/22 08:46	1
2,4,5-T	0.00012	U	0.0050	0.00012	mg/L		10/13/22 10:13	10/14/22 08:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	61		10 - 150				10/13/22 10:13	10/14/22 08:46	1
2,4-Dichlorophenylacetic acid	63		10 - 150				10/13/22 10:13	10/14/22 08:46	1

## Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total EPH (C9-C40)</b>	<b>150</b>		16	16	mg/Kg	☼	10/12/22 11:25	10/13/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	110		40 - 140				10/12/22 11:25	10/13/22 15:06	1
1-Chlorooctadecane	106		40 - 140				10/12/22 11:25	10/13/22 15:06	1

## Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Silver</b>	<b>0.14</b>	<b>J</b>	0.44	0.097	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Aluminum</b>	<b>10200</b>		21.8	6.0	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Arsenic</b>	<b>5.8</b>		1.1	0.11	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Barium</b>	<b>95.7</b>		2.2	0.16	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Beryllium</b>	<b>0.52</b>		0.44	0.062	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Calcium</b>	<b>7140</b>		109	19.3	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Cadmium</b>	<b>0.48</b>	<b>J</b>	1.1	0.12	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Cobalt</b>	<b>7.7</b>		2.2	0.16	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Chromium</b>	<b>20.6</b>		2.2	0.99	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Copper</b>	<b>49.3</b>		2.2	0.40	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Iron</b>	<b>17200</b>		65.3	22.0	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
<b>Potassium</b>	<b>1140</b>		109	17.6	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

Date Collected: 10/10/22 13:40

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 87.5

## Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3090		109	11.1	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Manganese	271		4.4	0.44	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Sodium	101	J	109	49.7	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Nickel	15.0		2.2	0.51	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Lead	210		0.65	0.22	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Antimony	0.31	J	1.1	0.16	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Selenium	0.24	J	1.4	0.14	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Thallium	0.12	J	0.44	0.045	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Vanadium	24.7		2.2	0.22	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1
Zinc	201		8.7	3.3	mg/Kg	☼	10/12/22 08:54	10/13/22 11:26	1

## Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0029	U	0.020	0.0029	mg/L		10/13/22 15:15	10/14/22 12:34	10
Arsenic	0.0089	U	0.020	0.0089	mg/L		10/13/22 15:15	10/14/22 12:34	10
Barium	0.58		0.040	0.0091	mg/L		10/13/22 15:15	10/14/22 12:34	10
Cadmium	0.0052	J	0.020	0.0039	mg/L		10/13/22 15:15	10/14/22 12:34	10
Chromium	0.025	U	0.040	0.025	mg/L		10/13/22 15:15	10/14/22 12:34	10
Lead	1.5		0.012	0.0084	mg/L		10/13/22 15:15	10/14/22 12:34	10
Selenium	0.0059	U	0.025	0.0059	mg/L		10/13/22 15:15	10/14/22 12:34	10

## Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/13/22 12:18	10/13/22 15:39	1

## Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50		0.019	0.0088	mg/Kg	☼	10/12/22 00:34	10/12/22 06:00	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	HF			SU			10/14/22 16:38	1
Temperature (SW846 9045D)	22.0	HF			Degrees C			10/14/22 16:38	1
Corrosivity (SW846 9045D)	8.2	HF			SU			10/14/22 16:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.23	J	0.27	0.15	mg/L	☼	10/12/22 18:56	10/12/22 21:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	2.20	U	2.20	2.20	mm/sec			10/14/22 16:22	1
Cyanide, Reactive (SW846 9014)	25.0	U	25.0	25.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Sulfide, Reactive (SW846 9034)	20.0	U	20.0	20.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Free Liquid (SW846 9095B)	0.500	U	0.500	0.500	mL/100g			10/14/22 14:20	1
Percent Moisture (EPA Moisture)	12.5		1.0	1.0	%			10/13/22 12:36	1
Percent Solids (EPA Moisture)	87.5		1.0	1.0	%			10/13/22 12:36	1
Total Volatile Solids (SM 2540G)	2.4		0.10	0.10	%			10/12/22 12:44	1

## Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	9.2				%			10/20/22 17:18	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			10/20/22 17:18	1
Sand	50.5				%			10/20/22 17:18	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

Date Collected: 10/10/22 13:40

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 87.5

**Method: ASTM D422 - Grain Size (Continued)**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sieve Size 2 inch - Percent Finer	100.0				% Passing			10/20/22 17:18	1
Coarse Sand	6.3				%			10/20/22 17:18	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			10/20/22 17:18	1
Medium Sand	16.1				%			10/20/22 17:18	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			10/20/22 17:18	1
Fine Sand	28.1				%			10/20/22 17:18	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			10/20/22 17:18	1
Fines	40.3				%			10/20/22 17:18	1
Sieve Size 0.375 inch - Percent Finer	95.9				% Passing			10/20/22 17:18	1
Sieve Size #4 - Percent Finer	90.8				% Passing			10/20/22 17:18	1
Sieve Size #10 - Percent Finer	84.5				% Passing			10/20/22 17:18	1
Sieve Size #20 - Percent Finer	78.3				% Passing			10/20/22 17:18	1
Sieve Size #40 - Percent Finer	68.4				% Passing			10/20/22 17:18	1
Sieve Size #60 - Percent Finer	56.0				% Passing			10/20/22 17:18	1
Sieve Size #80 - Percent Finer	50.4				% Passing			10/20/22 17:18	1
Sieve Size #100 - Percent Finer	47.6				% Passing			10/20/22 17:18	1
Sieve Size #200 - Percent Finer	40.3				% Passing			10/20/22 17:18	1

**Client Sample ID: B-18-G**

**Lab Sample ID: 460-267197-5**

Date Collected: 10/10/22 14:20

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 89.6

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00037	U	0.00086	0.00037	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Bromomethane	0.00086	U	0.0017	0.00086	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Vinyl chloride	0.00047	U	0.00086	0.00047	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Chloroethane	0.00045	U	0.00086	0.00045	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
<b>Methylene Chloride</b>	<b>0.0046</b>		0.0017	0.00098	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
<b>Acetone</b>	<b>0.010</b>		0.0051	0.0049	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
<b>Carbon disulfide</b>	<b>0.00093</b>	<b>++</b>	0.00086	0.00023	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Trichlorofluoromethane	0.00035	U	0.00086	0.00035	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,1-Dichloroethene	0.00019	U	0.00086	0.00019	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,1-Dichloroethane	0.00018	U	0.00086	0.00018	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
trans-1,2-Dichloroethene	0.00021	U	0.00086	0.00021	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
cis-1,2-Dichloroethene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Chloroform	0.00083	U	0.00086	0.00083	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,2-Dichloroethane	0.00025	U	0.00086	0.00025	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
2-Butanone (MEK)	0.00032	U	0.0043	0.00032	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,1,1-Trichloroethane	0.00020	U	0.00086	0.00020	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Carbon tetrachloride	0.00033	U ++	0.00086	0.00033	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Dichlorobromomethane	0.00022	U	0.00086	0.00022	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,2-Dichloropropane	0.00036	U	0.00086	0.00036	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
cis-1,3-Dichloropropene	0.00023	U	0.00086	0.00023	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Trichloroethene	0.00027	U	0.00086	0.00027	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Chlorodibromomethane	0.00017	U ++	0.00086	0.00017	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,1,2-Trichloroethane	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Benzene	0.00022	U	0.00086	0.00022	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-G**

**Lab Sample ID: 460-267197-5**

**Date Collected: 10/10/22 14:20**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 89.6**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.00023	U	0.00086	0.00023	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Bromoform	0.00036	U *	0.00086	0.00036	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
4-Methyl-2-pentanone (MIBK)	0.0013	U	0.0043	0.0013	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
2-Hexanone	0.0015	U *	0.0043	0.0015	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
<b>Tetrachloroethene</b>	<b>0.0011</b>		0.00086	0.00026	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,1,2,2-Tetrachloroethane	0.00018	U	0.00086	0.00018	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Toluene	0.00020	U	0.00086	0.00020	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Chlorobenzene	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Ethylbenzene	0.00017	U	0.00086	0.00017	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Styrene	0.00024	U	0.00086	0.00024	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
<b>m-Xylene &amp; p-Xylene</b>	<b>0.00020</b>	<b>J</b>	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
<b>o-Xylene</b>	<b>0.00018</b>	<b>J</b>	0.00086	0.00017	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Acrolein	0.024	U	0.086	0.024	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00026	U	0.00086	0.00026	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
TBA	0.0067	U	0.0086	0.0067	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Acrylonitrile	0.0042	U	0.0086	0.0042	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Methyl tert-butyl ether	0.00044	U	0.00086	0.00044	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Cyclohexane	0.00019	U	0.00086	0.00019	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Ethylene Dibromide	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,3-Dichlorobenzene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,4-Dichlorobenzene	0.00019	U	0.00086	0.00019	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,2-Dichlorobenzene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Dichlorodifluoromethane	0.00029	U	0.00086	0.00029	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,2,4-Trichlorobenzene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,4-Dioxane	0.0079	U	0.086	0.0079	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,2,3-Trichlorobenzene	0.00016	U	0.00086	0.00016	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
1,2-Dibromo-3-Chloropropane	0.00039	U	0.00086	0.00039	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Chlorobromomethane	0.00024	U	0.00086	0.00024	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Isopropylbenzene	0.00024	U	0.00086	0.00024	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Methyl acetate	0.0037	U	0.0043	0.0037	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1
Methylcyclohexane	0.00043	U	0.00086	0.00043	mg/Kg	☼	10/11/22 22:52	10/13/22 14:39	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.0070	J	mg/Kg	☼	1.97		10/11/22 22:52	10/13/22 14:39	1
.alpha.-Pinene	0.0055	J N	mg/Kg	☼	9.75	80-56-8	10/11/22 22:52	10/13/22 14:39	1
Naphthalene	0.028	J N	mg/Kg	☼	12.75	91-20-3	10/11/22 22:52	10/13/22 14:39	1
Naphthalene, 2-methyl-	0.0088	J N	mg/Kg	☼	13.53	91-57-6	10/11/22 22:52	10/13/22 14:39	1
Naphthalene, 1-methyl-	0.0077	J N	mg/Kg	☼	13.67	90-12-0	10/11/22 22:52	10/13/22 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		72 - 145	10/11/22 22:52	10/13/22 14:39	1
Toluene-d8 (Surr)	96		80 - 120	10/11/22 22:52	10/13/22 14:39	1
4-Bromofluorobenzene	104		75 - 139	10/11/22 22:52	10/13/22 14:39	1
Dibromofluoromethane (Surr)	111		73 - 139	10/11/22 22:52	10/13/22 14:39	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0026	U	0.010	0.0026	mg/L			10/14/22 17:01	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/14/22 17:01	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/14/22 17:01	10

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-G**

**Lab Sample ID: 460-267197-5**

**Date Collected: 10/10/22 14:20**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 89.6**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0020	U	0.010	0.0020	mg/L			10/14/22 17:01	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/14/22 17:01	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/14/22 17:01	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/14/22 17:01	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/14/22 17:01	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/14/22 17:01	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/14/22 17:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 128		10/14/22 17:01	10
4-Bromofluorobenzene	108		76 - 120		10/14/22 17:01	10
Dibromofluoromethane (Surr)	83		77 - 124		10/14/22 17:01	10
Toluene-d8 (Surr)	91		80 - 120		10/14/22 17:01	10

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.4		1.0	1.0	%			10/11/22 12:20	1
Percent Solids (EPA Moisture)	89.6		1.0	1.0	%			10/11/22 12:20	1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

**Date Collected: 10/10/22 14:45**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 86.9**

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2-Chlorophenol	0.013	U	0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2-Methylphenol	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4-Methylphenol	0.024	U	0.38	0.024	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2-Nitrophenol	0.038	U	0.38	0.038	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,4-Dimethylphenol	0.045	U	0.38	0.045	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,4-Dichlorophenol	0.024	U	0.15	0.024	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4-Chloro-3-methylphenol	0.021	U	0.38	0.021	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,4,6-Trichlorophenol	0.049	U	0.15	0.049	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,4,5-Trichlorophenol	0.039	U	0.38	0.039	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,4-Dinitrotoluene	0.041	U	0.077	0.041	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4-Nitrophenol	0.062	U	0.77	0.062	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4,6-Dinitro-2-methylphenol	0.15	U	0.30	0.15	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Pentachlorophenol	0.078	U	0.30	0.078	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
N-Nitrosodimethylamine	0.035	U	0.38	0.035	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Bis(2-chloroethyl)ether	0.013	U	0.038	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
N-Nitrosodi-n-propylamine	0.027	U	0.038	0.027	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Hexachloroethane	0.013	U	0.038	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Nitrobenzene	0.021	U	0.038	0.021	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Naphthalene</b>	<b>0.026</b>	<b>J</b>	0.38	0.0065	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4-Chloroaniline	0.067	U	0.38	0.067	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Hexachlorobutadiene	0.0081	U	0.077	0.0081	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>2-Methylnaphthalene</b>	<b>0.013</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Hexachlorocyclopentadiene	0.033	U	0.38	0.033	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

**Date Collected: 10/10/22 14:45**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 86.9**

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.018	U	0.38	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2-Nitroaniline	0.029	U	0.38	0.029	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Dimethyl phthalate	0.086	U	0.38	0.086	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Acenaphthylene</b>	<b>0.026</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,6-Dinitrotoluene	0.027	U	0.077	0.027	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
3-Nitroaniline	0.090	U	0.38	0.090	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Acenaphthene</b>	<b>0.046</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Dibenzofuran</b>	<b>0.031</b>	<b>J</b>	0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,4-Dinitrophenol	0.19	U	0.30	0.19	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Diethyl phthalate	0.012	U	0.38	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4-Chlorophenyl phenyl ether	0.013	U	0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Fluorene</b>	<b>0.051</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4-Nitroaniline	0.043	U	0.38	0.043	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
N-Nitrosodiphenylamine	0.031	U	0.38	0.031	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
4-Bromophenyl phenyl ether	0.015	U	0.38	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Hexachlorobenzene	0.018	U	0.038	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Phenanthrene</b>	<b>0.58</b>		0.38	0.0067	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Anthracene</b>	<b>0.32</b>	<b>J</b>	0.38	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Carbazole</b>	<b>0.058</b>	<b>J</b>	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Di-n-butyl phthalate	0.014	U	0.38	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Fluoranthene</b>	<b>0.84</b>		0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Pyrene</b>	<b>0.74</b>		0.38	0.0094	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Benzidine	0.079	U	0.38	0.079	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Butyl benzyl phthalate	0.018	U	0.38	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Benzo[a]anthracene</b>	<b>0.43</b>		0.038	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Chrysene</b>	<b>0.44</b>		0.38	0.0064	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Bis(2-ethylhexyl) phthalate	0.020	U	0.38	0.020	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Di-n-octyl phthalate	0.020	U	0.38	0.020	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Benzo[b]fluoranthene</b>	<b>0.50</b>		0.038	0.0098	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Benzo[k]fluoranthene</b>	<b>0.18</b>		0.038	0.0074	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Benzo[a]pyrene</b>	<b>0.39</b>		0.038	0.010	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.23</b>		0.038	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Dibenz(a,h)anthracene</b>	<b>0.068</b>		0.038	0.016	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
<b>Benzo[g,h,i]perylene</b>	<b>0.18</b>	<b>J</b>	0.38	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
1,2-Diphenylhydrazine	0.015	U	0.38	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
1,1'-Biphenyl	0.013	U	0.38	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Acetophenone	0.019	U	0.38	0.019	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Benzaldehyde	0.063	U	0.38	0.063	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Caprolactam	0.059	U	0.38	0.059	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Atrazine	0.022	U	0.15	0.022	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,2'-oxybis[1-chloropropane]	0.0069	U	0.38	0.0069	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
1,2,4,5-Tetrachlorobenzene	0.012	U	0.38	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
2,3,4,6-Tetrachlorophenol	0.026	U	0.38	0.026	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
3,3'-Dichlorobenzidine	0.057	U	0.15	0.057	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1
Bis(2-chloroethoxy)methane	0.029	U	0.38	0.029	mg/Kg	☼	10/11/22 16:59	10/12/22 07:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			10/11/22 16:59	10/12/22 07:31	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

**Date Collected: 10/10/22 14:45**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 86.9**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		16 - 125	10/11/22 16:59	10/12/22 07:31	1
Phenol-d5 (Surr)	82		23 - 120	10/11/22 16:59	10/12/22 07:31	1
Terphenyl-d14 (Surr)	95		25 - 126	10/11/22 16:59	10/12/22 07:31	1
2,4,6-Tribromophenol (Surr)	96		10 - 123	10/11/22 16:59	10/12/22 07:31	1
2-Fluorophenol (Surr)	82		18 - 123	10/11/22 16:59	10/12/22 07:31	1
2-Fluorobiphenyl	94		22 - 122	10/11/22 16:59	10/12/22 07:31	1

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/13/22 10:00	10/13/22 22:57	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 22:57	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 22:57	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/13/22 10:00	10/13/22 22:57	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:57	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:57	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/13/22 10:00	10/13/22 22:57	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/13/22 10:00	10/13/22 22:57	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/13/22 10:00	10/13/22 22:57	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/13/22 10:00	10/13/22 22:57	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/13/22 10:00	10/13/22 22:57	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/13/22 10:00	10/13/22 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		37 - 150	10/13/22 10:00	10/13/22 22:57	1
2-Fluorobiphenyl	66		46 - 139	10/13/22 10:00	10/13/22 22:57	1
2-Fluorophenol (Surr)	32		19 - 80	10/13/22 10:00	10/13/22 22:57	1
Nitrobenzene-d5 (Surr)	72		52 - 137	10/13/22 10:00	10/13/22 22:57	1
Phenol-d5 (Surr)	18		10 - 56	10/13/22 10:00	10/13/22 22:57	1
Terphenyl-d14 (Surr)	49		22 - 150	10/13/22 10:00	10/13/22 22:57	1

## Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>4,4'-DDD</b>	<b>0.0024</b>	<b>J p</b>	0.0077	0.0013	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
<b>4,4'-DDE</b>	<b>0.0040</b>	<b>J p</b>	0.0077	0.00091	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
<b>4,4'-DDT</b>	<b>0.019</b>		0.0077	0.0014	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Aldrin	0.0012	U	0.0077	0.0012	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
alpha-BHC	0.00078	U	0.0023	0.00078	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
beta-BHC	0.00086	U	0.0023	0.00086	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
<b>Chlordane (technical)</b>	<b>0.11</b>	<b>p</b>	0.077	0.019	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
delta-BHC	0.00047	U	0.0023	0.00047	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Dieldrin	0.0010	U	0.0023	0.0010	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Endosulfan I	0.0012	U	0.0077	0.0012	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Endosulfan II	0.0020	U	0.0077	0.0020	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Endosulfan sulfate	0.00097	U	0.0077	0.00097	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Endrin	0.0011	U	0.0077	0.0011	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Endrin aldehyde	0.0018	U	0.0077	0.0018	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Endrin ketone	0.0015	U	0.0077	0.0015	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
gamma-BHC (Lindane)	0.00071	U	0.0023	0.00071	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Heptachlor	0.00091	U	0.0077	0.00091	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Heptachlor epoxide	0.0011	U	0.0077	0.0011	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1
Methoxychlor	0.0018	U	0.0077	0.0018	mg/Kg	✳	10/11/22 16:56	10/12/22 19:51	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

Date Collected: 10/10/22 14:45

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 86.9

## Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.028	U	0.077	0.028	mg/Kg	☼	10/11/22 16:56	10/12/22 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		43 - 150				10/11/22 16:56	10/12/22 19:51	1
DCB Decachlorobiphenyl	97		43 - 150				10/11/22 16:56	10/12/22 19:51	1
Tetrachloro-m-xylene	85		26 - 137				10/11/22 16:56	10/12/22 19:51	1
Tetrachloro-m-xylene	80		26 - 137				10/11/22 16:56	10/12/22 19:51	1

## Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/13/22 09:57	10/14/22 05:14	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 05:14	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/13/22 09:57	10/14/22 05:14	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/13/22 09:57	10/14/22 05:14	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/13/22 09:57	10/14/22 05:14	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 05:14	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/13/22 09:57	10/14/22 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		15 - 121				10/13/22 09:57	10/14/22 05:14	1
DCB Decachlorobiphenyl	101		15 - 121				10/13/22 09:57	10/14/22 05:14	1
Tetrachloro-m-xylene	79		17 - 120				10/13/22 09:57	10/14/22 05:14	1
Tetrachloro-m-xylene	85		17 - 120				10/13/22 09:57	10/14/22 05:14	1

## Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor 1221	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor 1232	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor 1242	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor 1248	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor 1254	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor 1260	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor-1262	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Aroclor 1268	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Polychlorinated biphenyls, Total	0.020	U	0.077	0.020	mg/Kg	☼	10/11/22 16:33	10/12/22 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		10 - 150				10/11/22 16:33	10/12/22 15:03	1
DCB Decachlorobiphenyl	93		10 - 150				10/11/22 16:33	10/12/22 15:03	1
Tetrachloro-m-xylene	91		42 - 150				10/11/22 16:33	10/12/22 15:03	1
Tetrachloro-m-xylene	90		42 - 150				10/11/22 16:33	10/12/22 15:03	1

## Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.014	U	0.038	0.014	mg/Kg	☼	10/12/22 10:43	10/13/22 11:29	1
Silvex (2,4,5-TP)	0.0040	U	0.038	0.0040	mg/Kg	☼	10/12/22 10:43	10/13/22 11:29	1
2,4,5-T	0.0081	U	0.038	0.0081	mg/Kg	☼	10/12/22 10:43	10/13/22 11:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	90		27 - 150				10/12/22 10:43	10/13/22 11:29	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

Date Collected: 10/10/22 14:45

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 86.9

**Method: SW846 8151A - Herbicides (GC) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	101		27 - 150	10/12/22 10:43	10/13/22 11:29	1

**Method: SW846 8151A - Herbicides (GC) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.00030	U	0.0050	0.00030	mg/L		10/13/22 10:13	10/14/22 08:59	1
Silvex (2,4,5-TP)	0.00024	U	0.0050	0.00024	mg/L		10/13/22 10:13	10/14/22 08:59	1
2,4,5-T	0.00012	U	0.0050	0.00012	mg/L		10/13/22 10:13	10/14/22 08:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	20		10 - 150	10/13/22 10:13	10/14/22 08:59	1
2,4-Dichlorophenylacetic acid	20		10 - 150	10/13/22 10:13	10/14/22 08:59	1

**Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	110		16	16	mg/Kg	☼	10/12/22 11:25	10/13/22 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		40 - 140	10/12/22 11:25	10/13/22 15:21	1
1-Chlorooctadecane	97		40 - 140	10/12/22 11:25	10/13/22 15:21	1

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.12	J	0.43	0.095	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Aluminum	12300		21.3	5.8	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Arsenic	6.4		1.1	0.11	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Barium	101		2.1	0.15	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Beryllium	0.64		0.43	0.061	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Calcium	14600		107	18.9	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Cadmium	0.37	J	1.1	0.12	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Cobalt	8.2		2.1	0.16	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Chromium	22.2		2.1	0.97	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Copper	75.8		2.1	0.39	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Iron	19600		63.9	21.5	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Potassium	1220		107	17.3	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Magnesium	5410		107	10.9	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Manganese	364		4.3	0.43	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Sodium	138		107	48.7	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Nickel	13.8		2.1	0.50	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Lead	186		0.64	0.21	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Antimony	0.31	J	1.1	0.16	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Selenium	0.27	J	1.3	0.14	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Thallium	0.13	J	0.43	0.044	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Vanadium	31.3		2.1	0.22	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1
Zinc	290		8.5	3.2	mg/Kg	☼	10/12/22 08:54	10/13/22 11:29	1

**Method: SW846 6020B - Metals (ICP/MS) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0029	U	0.020	0.0029	mg/L		10/13/22 15:15	10/14/22 12:37	10
Arsenic	0.0089	U	0.020	0.0089	mg/L		10/13/22 15:15	10/14/22 12:37	10
Barium	0.62		0.040	0.0091	mg/L		10/13/22 15:15	10/14/22 12:37	10

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

Date Collected: 10/10/22 14:45

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 86.9

**Method: SW846 6020B - Metals (ICP/MS) - TCLP (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0076	J	0.020	0.0039	mg/L		10/13/22 15:15	10/14/22 12:37	10
Chromium	0.025	U	0.040	0.025	mg/L		10/13/22 15:15	10/14/22 12:37	10
Lead	0.22		0.012	0.0084	mg/L		10/13/22 15:15	10/14/22 12:37	10
Selenium	0.0059	U	0.025	0.0059	mg/L		10/13/22 15:15	10/14/22 12:37	10

**Method: SW846 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/13/22 12:18	10/13/22 15:41	1

**Method: SW846 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.47		0.018	0.0086	mg/Kg	☆	10/12/22 00:34	10/12/22 06:02	1

**General Chemistry**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4	HF			SU			10/14/22 16:38	1
Temperature (SW846 9045D)	22.0	HF			Degrees C			10/14/22 16:38	1
Corrosivity (SW846 9045D)	8.4	HF			SU			10/14/22 16:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.14	J	0.26	0.14	mg/L	☆	10/12/22 18:56	10/12/22 22:00	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	2.20	U	2.20	2.20	mm/sec			10/14/22 16:22	1
Cyanide, Reactive (SW846 9014)	25.0	U	25.0	25.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Sulfide, Reactive (SW846 9034)	20.0	U	20.0	20.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Free Liquid (SW846 9095B)	0.500	U	0.500	0.500	mL/100g			10/14/22 14:25	1
Percent Moisture (EPA Moisture)	13.1		1.0	1.0	%			10/13/22 12:45	1
Percent Solids (EPA Moisture)	86.9		1.0	1.0	%			10/13/22 12:45	1
Total Volatile Solids (SM 2540G)	2.8		0.10	0.10	%			10/12/22 12:44	1

**Method: ASTM D422 - Grain Size**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	8.1				%			10/20/22 17:19	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			10/20/22 17:19	1
Sand	51.2				%			10/20/22 17:19	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			10/20/22 17:19	1
Coarse Sand	7.3				%			10/20/22 17:19	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			10/20/22 17:19	1
Medium Sand	17.5				%			10/20/22 17:19	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			10/20/22 17:19	1
Fine Sand	26.4				%			10/20/22 17:19	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			10/20/22 17:19	1
Fines	40.7				%			10/20/22 17:19	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			10/20/22 17:19	1
Sieve Size #4 - Percent Finer	91.9				% Passing			10/20/22 17:19	1
Sieve Size #10 - Percent Finer	84.6				% Passing			10/20/22 17:19	1
Sieve Size #20 - Percent Finer	77.7				% Passing			10/20/22 17:19	1
Sieve Size #40 - Percent Finer	67.1				% Passing			10/20/22 17:19	1
Sieve Size #60 - Percent Finer	55.3				% Passing			10/20/22 17:19	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

Date Collected: 10/10/22 14:45

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 86.9

**Method: ASTM D422 - Grain Size (Continued)**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sieve Size #80 - Percent Finer	50.9				% Passing			10/20/22 17:19	1
Sieve Size #100 - Percent Finer	47.3				% Passing			10/20/22 17:19	1
Sieve Size #200 - Percent Finer	40.7				% Passing			10/20/22 17:19	1

**Client Sample ID: B-19-G**

**Lab Sample ID: 460-267197-7**

Date Collected: 10/10/22 15:15

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 88.1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00037	U	0.00086	0.00037	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Bromomethane	0.00086	U	0.0017	0.00086	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Vinyl chloride	0.00047	U	0.00086	0.00047	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Chloroethane	0.00045	U	0.00086	0.00045	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
<b>Methylene Chloride</b>	<b>0.0022</b>		0.0017	0.00098	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Acetone	0.0049	U	0.0051	0.0049	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Carbon disulfide	0.00023	U *	0.00086	0.00023	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Trichlorofluoromethane	0.00035	U	0.00086	0.00035	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,1-Dichloroethene	0.00019	U	0.00086	0.00019	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,1-Dichloroethane	0.00018	U	0.00086	0.00018	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
trans-1,2-Dichloroethene	0.00021	U	0.00086	0.00021	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
cis-1,2-Dichloroethene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Chloroform	0.00083	U	0.00086	0.00083	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,2-Dichloroethane	0.00025	U	0.00086	0.00025	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
2-Butanone (MEK)	0.00031	U	0.0043	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,1,1-Trichloroethane	0.00020	U	0.00086	0.00020	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Carbon tetrachloride	0.00033	U *	0.00086	0.00033	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Dichlorobromomethane	0.00022	U	0.00086	0.00022	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,2-Dichloropropane	0.00036	U	0.00086	0.00036	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
cis-1,3-Dichloropropene	0.00023	U	0.00086	0.00023	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Trichloroethene	0.00027	U	0.00086	0.00027	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Chlorodibromomethane	0.00017	U *	0.00086	0.00017	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,1,2-Trichloroethane	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Benzene	0.00022	U	0.00086	0.00022	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
trans-1,3-Dichloropropene	0.00023	U	0.00086	0.00023	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Bromoform	0.00036	U *	0.00086	0.00036	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
4-Methyl-2-pentanone (MIBK)	0.0013	U	0.0043	0.0013	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
2-Hexanone	0.0015	U *	0.0043	0.0015	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
<b>Tetrachloroethene</b>	<b>0.00084</b>	<b>J</b>	0.00086	0.00026	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,1,2,2-Tetrachloroethane	0.00018	U	0.00086	0.00018	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Toluene	0.00020	U	0.00086	0.00020	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Chlorobenzene	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Ethylbenzene	0.00017	U	0.00086	0.00017	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Styrene	0.00024	U	0.00086	0.00024	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
m-Xylene & p-Xylene	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
o-Xylene	0.00017	U	0.00086	0.00017	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Acrolein	0.024	U	0.086	0.024	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00026	U	0.00086	0.00026	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
TBA	0.0067	U	0.0086	0.0067	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Acrylonitrile	0.0042	U	0.0086	0.0042	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-G**

**Lab Sample ID: 460-267197-7**

**Date Collected: 10/10/22 15:15**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 88.1**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.00044	U	0.00086	0.00044	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Cyclohexane	0.00019	U	0.00086	0.00019	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Ethylene Dibromide	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,3-Dichlorobenzene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,4-Dichlorobenzene	0.00019	U	0.00086	0.00019	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,2-Dichlorobenzene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Dichlorodifluoromethane	0.00029	U	0.00086	0.00029	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,2,4-Trichlorobenzene	0.00031	U	0.00086	0.00031	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,4-Dioxane	0.0079	U	0.086	0.0079	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,2,3-Trichlorobenzene	0.00015	U	0.00086	0.00015	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
1,2-Dibromo-3-Chloropropane	0.00039	U	0.00086	0.00039	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Chlorobromomethane	0.00024	U	0.00086	0.00024	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Isopropylbenzene	0.00024	U	0.00086	0.00024	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Methyl acetate	0.0037	U	0.0043	0.0037	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1
Methylcyclohexane	0.00043	U	0.00086	0.00043	mg/Kg	☼	10/11/22 22:52	10/13/22 15:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.012	J	mg/Kg	☼	1.95		10/11/22 22:52	10/13/22 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		72 - 145	10/11/22 22:52	10/13/22 15:01	1
Toluene-d8 (Surr)	97		80 - 120	10/11/22 22:52	10/13/22 15:01	1
4-Bromofluorobenzene	103		75 - 139	10/11/22 22:52	10/13/22 15:01	1
Dibromofluoromethane (Surr)	114		73 - 139	10/11/22 22:52	10/13/22 15:01	1

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0026	U	0.010	0.0026	mg/L			10/14/22 17:26	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/14/22 17:26	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/14/22 17:26	10
Benzene	0.0020	U	0.010	0.0020	mg/L			10/14/22 17:26	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/14/22 17:26	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/14/22 17:26	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/14/22 17:26	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/14/22 17:26	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/14/22 17:26	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/14/22 17:26	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 128		10/14/22 17:26	10
4-Bromofluorobenzene	112		76 - 120		10/14/22 17:26	10
Dibromofluoromethane (Surr)	83		77 - 124		10/14/22 17:26	10
Toluene-d8 (Surr)	86		80 - 120		10/14/22 17:26	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.9		1.0	1.0	%			10/11/22 12:20	1
Percent Solids (EPA Moisture)	88.1		1.0	1.0	%			10/11/22 12:20	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

**Date Collected: 10/10/22 15:25**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.4**

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.014	U	0.39	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2-Chlorophenol	0.014	U	0.39	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2-Methylphenol	0.014	U	0.39	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4-Methylphenol	0.024	U	0.39	0.024	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2-Nitrophenol	0.039	U	0.39	0.039	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,4-Dimethylphenol	0.046	U	0.39	0.046	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,4-Dichlorophenol	0.025	U	0.16	0.025	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4-Chloro-3-methylphenol	0.022	U	0.39	0.022	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,4,6-Trichlorophenol	0.050	U	0.16	0.050	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,4,5-Trichlorophenol	0.039	U	0.39	0.039	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,4-Dinitrotoluene	0.042	U	0.078	0.042	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4-Nitrophenol	0.063	U	0.78	0.063	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4,6-Dinitro-2-methylphenol	0.16	U	0.31	0.16	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Pentachlorophenol	0.079	U	0.31	0.079	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
N-Nitrosodimethylamine	0.036	U	0.39	0.036	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Bis(2-chloroethyl)ether	0.013	U	0.039	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
N-Nitrosodi-n-propylamine	0.028	U	0.039	0.028	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Hexachloroethane	0.013	U	0.039	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Nitrobenzene	0.021	U	0.039	0.021	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Isophorone	0.11	U	0.16	0.11	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Naphthalene</b>	<b>0.020</b>	<b>J</b>	0.39	0.0067	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4-Chloroaniline	0.069	U	0.39	0.069	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Hexachlorobutadiene	0.0082	U	0.078	0.0082	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>2-Methylnaphthalene</b>	<b>0.012</b>	<b>J</b>	0.39	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Hexachlorocyclopentadiene	0.034	U	0.39	0.034	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2-Chloronaphthalene	0.018	U	0.39	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2-Nitroaniline	0.030	U	0.39	0.030	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Dimethyl phthalate	0.088	U	0.39	0.088	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Acenaphthylene</b>	<b>0.028</b>	<b>J</b>	0.39	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,6-Dinitrotoluene	0.028	U	0.078	0.028	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
3-Nitroaniline	0.092	U	0.39	0.092	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Acenaphthene</b>	<b>0.053</b>	<b>J</b>	0.39	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Dibenzofuran</b>	<b>0.039</b>	<b>J</b>	0.39	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,4-Dinitrophenol	0.19	U	0.31	0.19	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Diethyl phthalate	0.012	U	0.39	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4-Chlorophenyl phenyl ether	0.014	U	0.39	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Fluorene</b>	<b>0.063</b>	<b>J</b>	0.39	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4-Nitroaniline	0.044	U	0.39	0.044	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
N-Nitrosodiphenylamine	0.032	U	0.39	0.032	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
4-Bromophenyl phenyl ether	0.015	U	0.39	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Hexachlorobenzene	0.018	U	0.039	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Phenanthrene</b>	<b>0.73</b>		0.39	0.0068	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Anthracene</b>	<b>0.21</b>	<b>J</b>	0.39	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Carbazole</b>	<b>0.078</b>	<b>J</b>	0.39	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Di-n-butyl phthalate	0.015	U	0.39	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Fluoranthene</b>	<b>0.93</b>		0.39	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Pyrene</b>	<b>0.86</b>		0.39	0.0096	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Benzidine	0.081	U	0.39	0.081	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Butyl benzyl phthalate	0.018	U	0.39	0.018	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

Date Collected: 10/10/22 15:25

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.4

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzo[a]anthracene</b>	<b>0.47</b>		0.039	0.014	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Chrysene</b>	<b>0.49</b>		0.39	0.0065	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Bis(2-ethylhexyl) phthalate	0.020	U	0.39	0.020	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Di-n-octyl phthalate	0.021	U	0.39	0.021	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Benzo[b]fluoranthene</b>	<b>0.56</b>		0.039	0.010	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Benzo[k]fluoranthene</b>	<b>0.21</b>		0.039	0.0076	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Benzo[a]pyrene</b>	<b>0.43</b>		0.039	0.010	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.26</b>		0.039	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Dibenz(a,h)anthracene</b>	<b>0.075</b>		0.039	0.017	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
<b>Benzo[g,h,i]perylene</b>	<b>0.19</b>	J	0.39	0.011	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
1,2-Diphenylhydrazine	0.015	U	0.39	0.015	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
1,1'-Biphenyl	0.013	U	0.39	0.013	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Acetophenone	0.019	U	0.39	0.019	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Benzaldehyde	0.064	U	0.39	0.064	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Caprolactam	0.060	U	0.39	0.060	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Atrazine	0.023	U	0.16	0.023	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,2'-oxybis[1-chloropropane]	0.0070	U	0.39	0.0070	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
1,2,4,5-Tetrachlorobenzene	0.012	U	0.39	0.012	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
2,3,4,6-Tetrachlorophenol	0.026	U	0.39	0.026	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
3,3'-Dichlorobenzidine	0.058	U	0.16	0.058	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1
Bis(2-chloroethoxy)methane	0.030	U	0.39	0.030	mg/Kg	☼	10/11/22 16:59	10/12/22 07:54	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			10/11/22 16:59	10/12/22 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		16 - 125	10/11/22 16:59	10/12/22 07:54	1
Phenol-d5 (Surr)	82		23 - 120	10/11/22 16:59	10/12/22 07:54	1
Terphenyl-d14 (Surr)	94		25 - 126	10/11/22 16:59	10/12/22 07:54	1
2,4,6-Tribromophenol (Surr)	94		10 - 123	10/11/22 16:59	10/12/22 07:54	1
2-Fluorophenol (Surr)	83		18 - 123	10/11/22 16:59	10/12/22 07:54	1
2-Fluorobiphenyl	97		22 - 122	10/11/22 16:59	10/12/22 07:54	1

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/13/22 10:00	10/13/22 23:18	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 23:18	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 23:18	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/13/22 10:00	10/13/22 23:18	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 23:18	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 23:18	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/13/22 10:00	10/13/22 23:18	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/13/22 10:00	10/13/22 23:18	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/13/22 10:00	10/13/22 23:18	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/13/22 10:00	10/13/22 23:18	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/13/22 10:00	10/13/22 23:18	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/13/22 10:00	10/13/22 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		37 - 150	10/13/22 10:00	10/13/22 23:18	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

Date Collected: 10/10/22 15:25

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.4

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		46 - 139	10/13/22 10:00	10/13/22 23:18	1
2-Fluorophenol (Surr)	33		19 - 80	10/13/22 10:00	10/13/22 23:18	1
Nitrobenzene-d5 (Surr)	77		52 - 137	10/13/22 10:00	10/13/22 23:18	1
Phenol-d5 (Surr)	21		10 - 56	10/13/22 10:00	10/13/22 23:18	1
Terphenyl-d14 (Surr)	49		22 - 150	10/13/22 10:00	10/13/22 23:18	1

## Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0078	0.0013	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
4,4'-DDE	0.00092	U	0.0078	0.00092	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
<b>4,4'-DDT</b>	<b>0.0088</b>		0.0078	0.0014	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Aldrin	0.0012	U	0.0078	0.0012	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
alpha-BHC	0.00079	U	0.0023	0.00079	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
beta-BHC	0.00088	U	0.0023	0.00088	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
<b>Chlordane (technical)</b>	<b>0.053</b>	<b>J p</b>	0.078	0.019	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
delta-BHC	0.00048	U	0.0023	0.00048	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Dieldrin	0.0010	U	0.0023	0.0010	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Endosulfan I	0.0012	U	0.0078	0.0012	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Endosulfan II	0.0020	U	0.0078	0.0020	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Endosulfan sulfate	0.00098	U	0.0078	0.00098	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Endrin	0.0011	U	0.0078	0.0011	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Endrin aldehyde	0.0018	U	0.0078	0.0018	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Endrin ketone	0.0015	U	0.0078	0.0015	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
gamma-BHC (Lindane)	0.00072	U	0.0023	0.00072	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Heptachlor	0.00092	U	0.0078	0.00092	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Heptachlor epoxide	0.0012	U	0.0078	0.0012	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Methoxychlor	0.0018	U	0.0078	0.0018	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1
Toxaphene	0.028	U	0.078	0.028	mg/Kg	✱	10/11/22 16:56	10/12/22 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		43 - 150	10/11/22 16:56	10/12/22 20:05	1
DCB Decachlorobiphenyl	91		43 - 150	10/11/22 16:56	10/12/22 20:05	1
Tetrachloro-m-xylene	77		26 - 137	10/11/22 16:56	10/12/22 20:05	1
Tetrachloro-m-xylene	72		26 - 137	10/11/22 16:56	10/12/22 20:05	1

## Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/13/22 09:57	10/14/22 05:29	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 05:29	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/13/22 09:57	10/14/22 05:29	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/13/22 09:57	10/14/22 05:29	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/13/22 09:57	10/14/22 05:29	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/13/22 09:57	10/14/22 05:29	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/13/22 09:57	10/14/22 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		15 - 121	10/13/22 09:57	10/14/22 05:29	1
DCB Decachlorobiphenyl	102		15 - 121	10/13/22 09:57	10/14/22 05:29	1
Tetrachloro-m-xylene	80		17 - 120	10/13/22 09:57	10/14/22 05:29	1
Tetrachloro-m-xylene	83		17 - 120	10/13/22 09:57	10/14/22 05:29	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

Date Collected: 10/10/22 15:25

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.4

## Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor 1221	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor 1232	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor 1242	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor 1248	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor 1254	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor 1260	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor-1262	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Aroclor 1268	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1
Polychlorinated biphenyls, Total	0.021	U	0.078	0.021	mg/Kg	✳	10/11/22 16:33	10/12/22 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		10 - 150	10/11/22 16:33	10/12/22 15:20	1
DCB Decachlorobiphenyl	86		10 - 150	10/11/22 16:33	10/12/22 15:20	1
Tetrachloro-m-xylene	84		42 - 150	10/11/22 16:33	10/12/22 15:20	1
Tetrachloro-m-xylene	84		42 - 150	10/11/22 16:33	10/12/22 15:20	1

## Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.014	U	0.039	0.014	mg/Kg	✳	10/12/22 10:43	10/13/22 11:43	1
Silvex (2,4,5-TP)	0.0041	U	0.039	0.0041	mg/Kg	✳	10/12/22 10:43	10/13/22 11:43	1
2,4,5-T	0.0083	U	0.039	0.0083	mg/Kg	✳	10/12/22 10:43	10/13/22 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	97		27 - 150	10/12/22 10:43	10/13/22 11:43	1
2,4-Dichlorophenylacetic acid	110		27 - 150	10/12/22 10:43	10/13/22 11:43	1

## Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.00030	U	0.0050	0.00030	mg/L		10/13/22 10:13	10/14/22 09:13	1
Silvex (2,4,5-TP)	0.00024	U	0.0050	0.00024	mg/L		10/13/22 10:13	10/14/22 09:13	1
2,4,5-T	0.00012	U	0.0050	0.00012	mg/L		10/13/22 10:13	10/14/22 09:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	18		10 - 150	10/13/22 10:13	10/14/22 09:13	1
2,4-Dichlorophenylacetic acid	17		10 - 150	10/13/22 10:13	10/14/22 09:13	1

## Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total EPH (C9-C40)</b>	<b>120</b>		16	16	mg/Kg	✳	10/12/22 11:25	10/13/22 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	111		40 - 140	10/12/22 11:25	10/13/22 15:36	1
1-Chlorooctadecane	116		40 - 140	10/12/22 11:25	10/13/22 15:36	1

## Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Silver</b>	<b>0.13</b>	<b>J</b>	0.46	0.10	mg/Kg	✳	10/12/22 08:54	10/13/22 11:31	1
<b>Aluminum</b>	<b>11900</b>		23.2	6.4	mg/Kg	✳	10/12/22 08:54	10/13/22 11:31	1
<b>Arsenic</b>	<b>7.0</b>		1.2	0.12	mg/Kg	✳	10/12/22 08:54	10/13/22 11:31	1
<b>Barium</b>	<b>80.2</b>		2.3	0.17	mg/Kg	✳	10/12/22 08:54	10/13/22 11:31	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

Date Collected: 10/10/22 15:25

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.4

## Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.62		0.46	0.066	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Calcium	5570		116	20.5	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Cadmium	0.28	J	1.2	0.13	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Cobalt	8.3		2.3	0.17	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Chromium	22.6		2.3	1.1	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Copper	51.6		2.3	0.43	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Iron	23700		69.6	23.4	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Potassium	1130		116	18.8	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Magnesium	2640		116	11.8	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Manganese	292		4.6	0.47	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Sodium	89.0	J	116	53.0	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Nickel	13.2		2.3	0.54	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Lead	127		0.70	0.23	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Antimony	0.26	J	1.2	0.17	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Selenium	0.30	J	1.4	0.15	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Thallium	0.13	J	0.46	0.048	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Vanadium	30.4		2.3	0.24	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1
Zinc	120		9.3	3.5	mg/Kg	☆	10/12/22 08:54	10/13/22 11:31	1

## Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0029	U	0.020	0.0029	mg/L		10/13/22 15:15	10/14/22 12:39	10
Arsenic	0.0089	U	0.020	0.0089	mg/L		10/13/22 15:15	10/14/22 12:39	10
Barium	0.57		0.040	0.0091	mg/L		10/13/22 15:15	10/14/22 12:39	10
Cadmium	0.0039	U	0.020	0.0039	mg/L		10/13/22 15:15	10/14/22 12:39	10
Chromium	0.025	U	0.040	0.025	mg/L		10/13/22 15:15	10/14/22 12:39	10
Lead	0.14		0.012	0.0084	mg/L		10/13/22 15:15	10/14/22 12:39	10
Selenium	0.0059	U	0.025	0.0059	mg/L		10/13/22 15:15	10/14/22 12:39	10

## Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/13/22 12:18	10/13/22 15:42	1

## Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.020	0.0094	mg/Kg	☆	10/12/22 00:34	10/12/22 06:04	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	HF			SU			10/14/22 16:38	1
Temperature (SW846 9045D)	22.1	HF			Degrees C			10/14/22 16:38	1
Corrosivity (SW846 9045D)	8.2	HF			SU			10/14/22 16:38	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.21	J	0.24	0.13	mg/L	☆	10/12/22 18:56	10/12/22 22:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	2.20	U	2.20	2.20	mm/sec			10/14/22 16:22	1
Cyanide, Reactive (SW846 9014)	25.0	U	25.0	25.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Sulfide, Reactive (SW846 9034)	20.0	U	20.0	20.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1
Free Liquid (SW846 9095B)	0.500	U	0.500	0.500	mL/100g			10/14/22 14:30	1
Percent Moisture (EPA Moisture)	14.6		1.0	1.0	%			10/13/22 12:45	1

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# Client Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

Date Collected: 10/10/22 15:25

Matrix: Solid

Date Received: 10/10/22 20:00

Percent Solids: 85.4

## General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	85.4		1.0	1.0	%			10/13/22 12:45	1
Total Volatile Solids (SM 2540G)	2.9		0.10	0.10	%			10/12/22 12:44	1

## Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	13.6				%			10/20/22 17:21	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			10/20/22 17:21	1
Sand	42.2				%			10/20/22 17:21	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			10/20/22 17:21	1
Coarse Sand	4.9				%			10/20/22 17:21	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			10/20/22 17:21	1
Medium Sand	13.9				%			10/20/22 17:21	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			10/20/22 17:21	1
Fine Sand	23.4				%			10/20/22 17:21	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			10/20/22 17:21	1
Fines	44.2				%			10/20/22 17:21	1
Sieve Size 0.375 inch - Percent Finer	89.4				% Passing			10/20/22 17:21	1
Sieve Size #4 - Percent Finer	86.4				% Passing			10/20/22 17:21	1
Sieve Size #10 - Percent Finer	81.5				% Passing			10/20/22 17:21	1
Sieve Size #20 - Percent Finer	75.9				% Passing			10/20/22 17:21	1
Sieve Size #40 - Percent Finer	67.6				% Passing			10/20/22 17:21	1
Sieve Size #60 - Percent Finer	57.4				% Passing			10/20/22 17:21	1
Sieve Size #80 - Percent Finer	53.0				% Passing			10/20/22 17:21	1
Sieve Size #100 - Percent Finer	50.8				% Passing			10/20/22 17:21	1
Sieve Size #200 - Percent Finer	44.2				% Passing			10/20/22 17:21	1



# Particle Size of Soils by ASTM D422

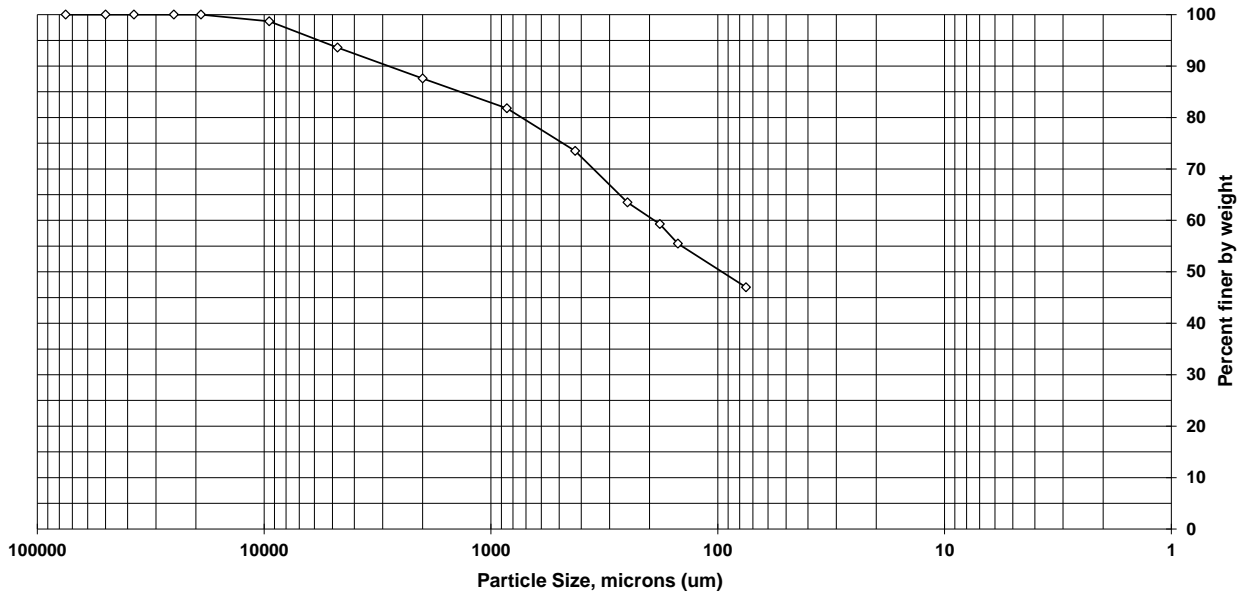
Sample ID: B-20-C  
 Lab ID: 460-267197-L-2

Percent Solids: 86.3%  
 Specific Gravity: 2.650

Date Received: 10/10/2022  
 Start Date: 10/20/2022  
 End Date: 10/21/2022

Shape (> #10): subangular

Non-soil material: plant  
 Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	98.7	1.3
#4	4750	93.6	5.1
#10	2000	87.6	6.0
#20	850	81.8	5.8
#40	425	73.5	8.3
#60	250	63.5	10.0
#80	180	59.3	4.2
#100	150	55.5	3.8
#200	75	47.0	8.5

Soil Classification	Percent of sample
Gravel	6.4
Sand	46.6
Coarse Sand	6.0
Medium Sand	14.1
Fine Sand	26.5
Fines	47.0



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

## Particle Size of Soils by ASTM D422

Sample ID: B-18-C  
 Lab ID: 460-267197-L-6

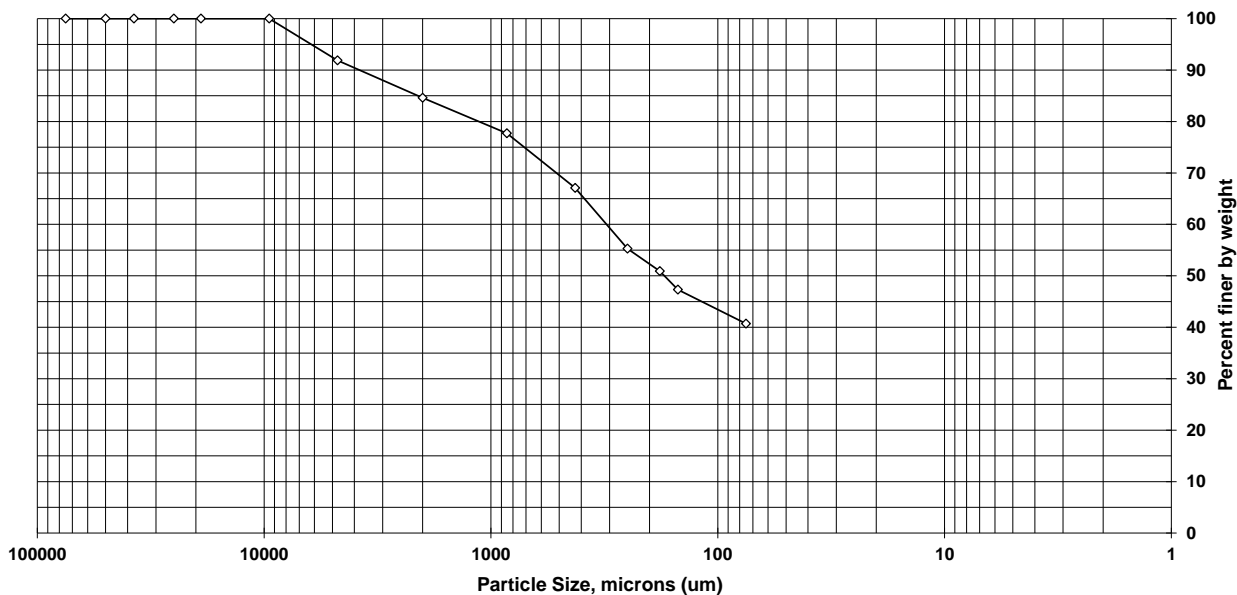
Percent Solids: 86.0%  
 Specific Gravity: 2.650

Date Received: 10/10/2022  
 Start Date: 10/20/2022  
 End Date: 10/21/2022

Shape (> #10): subangular

Non-soil material: n/a

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	91.9	8.1
#10	2000	84.6	7.3
#20	850	77.7	6.9
#40	425	67.1	10.6
#60	250	55.3	11.8
#80	180	50.9	4.4
#100	150	47.3	3.6
#200	75	40.7	6.6

Soil Classification	Percent of sample
Gravel	8.1
Sand	51.2
Coarse Sand	7.3
Medium Sand	17.5
Fine Sand	26.4
Fines	40.7



# TestAmerica Burlington

## Sediment Grain Size - D422

Client	
Client Sample ID	B-20-C
Lab Sample ID	460-267197-L-2

Date Received	10/10/2022
Start Date	10/20/2022 17:16
End Date	10/21/2022 16:58

### Dry Weight Determination

Tin Weight	0.99 g
Wet Sample + Tin	18.24 g
Dry Sample + Tin	15.88 g
% Moisture	13.68 %

Non-soil material:	plant
Shape (> #10):	subangular
Hardness (> #10):	hard

Date/Time in oven	10/20/2022 17:17
Date/Time out of oven	10/21/2022 13:49

### Sample Weights

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.63	209.78	165.15
Sample Weight (Oven Dried)			143

### Hydrometer Data

Serial Number	
Calib. Date (mm/dd/yyyy)	
Low Temp (C)	
Reading at Low Temp	
High Temp (C)	
Reading at High Temp	
Hydrometer Cal Slope	#DIV/0!
Hydrometer Cal Intercept	#DIV/0!
Default Soil Gravity	2.6500

### Sample Split (oven dried)

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			17.6
Sample <#10			125
% Passing #10			75.7

### Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500	447.18	449.00	1.82 g	98.7	Gravel	
#4	4750	487.96	495.23	7.27 g	93.6	Gravel	
#10	2000	462.53	471.08	8.55 g	87.6	Sand	Coarse
#20	850	377.17	385.43	8.26 g	81.8	Sand	Medium
#40	425	365.41	377.34	11.93 g	73.5	Sand	Medium
#60	250	347.39	361.70	14.31 g	63.5	Sand	Fine
#80	180	336.52	342.46	5.94 g	59.3	Sand	Fine
#100	150	326.89	332.27	5.38 g	55.5	Sand	Fine
#200	75	312.09	324.23	12.14 g	47.0	Sand	Fine
				0.00 g	47.0		

### Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	143
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### Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2						Silt	
5						Silt	
15						Silt	
30						Silt	
60						Silt	
250						Clay	
1440						Clay	

# TestAmerica Burlington

## Sediment Grain Size - D422

Client	
Client Sample ID	B-21-C
Lab Sample ID	460-267197-L-4

Date Received	10/10/2022
Start Date	10/20/2022 17:18
End Date	10/21/2022 17:02

### Dry Weight Determination

Tin Weight	1.00 g
Wet Sample + Tin	21.98 g
Dry Sample + Tin	19.32 g
% Moisture	12.68 %

Non-soil material:	n/a
Shape (> #10):	subangular
Hardness (> #10):	hard

Date/Time in oven	10/20/2022 17:19
Date/Time out of oven	10/21/2022 13:49

### Sample Weights

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	48.10	214.33	166.23
Sample Weight (Oven Dried)			145

### Hydrometer Data

Serial Number	
Calib. Date (mm/dd/yyyy)	
Low Temp (C)	
Reading at Low Temp	
High Temp (C)	
Reading at High Temp	
Hydrometer Cal Slope	#DIV/0!
Hydrometer Cal Intercept	#DIV/0!
Default Soil Gravity	2.6500

### Sample Split (oven dried)

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			22.6
Sample <#10			122
% Passing #10			73.4

### Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500	447.18	453.17	5.99 g	95.9	Gravel	
#4	4750	487.96	495.42	7.46 g	90.8	Gravel	
#10	2000	462.53	471.69	9.16 g	84.5	Sand	Coarse
#20	850	372.65	381.57	8.92 g	78.3	Sand	Medium
#40	425	360.81	375.12	14.31 g	68.4	Sand	Medium
#60	250	351.10	369.13	18.03 g	56.0	Sand	Fine
#80	180	318.33	326.48	8.15 g	50.4	Sand	Fine
#100	150	327.46	331.47	4.01 g	47.6	Sand	Fine
#200	75	313.45	324.00	10.55 g	40.3	Sand	Fine
				0.00 g	40.3		

### Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	145
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### Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2						Silt	
5						Silt	
15						Silt	
30						Silt	
60						Silt	
250						Clay	
1440						Clay	

# TestAmerica Burlington

## Sediment Grain Size - D422

Client	
Client Sample ID	B-18-C
Lab Sample ID	460-267197-L-6

Date Received	10/10/2022
Start Date	10/20/2022 17:19
End Date	10/21/2022 17:12

### Dry Weight Determination

Tin Weight	0.99 g
Wet Sample + Tin	27.54 g
Dry Sample + Tin	23.81 g
% Moisture	14.05 %

Non-soil material:	n/a
Shape (> #10):	subangular
Hardness (> #10):	hard

Date/Time in oven	10/20/2022 17:21
Date/Time out of oven	10/21/2022 13:50

### Sample Weights

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	47.82	204.34	156.52
Sample Weight (Oven Dried)			135

### Hydrometer Data

Serial Number	
Calib. Date (mm/dd/yyyy)	
Low Temp (C)	
Reading at Low Temp	
High Temp (C)	
Reading at High Temp	
Hydrometer Cal Slope	#DIV/0!
Hydrometer Cal Intercept	#DIV/0!
Default Soil Gravity	2.6500

### Sample Split (oven dried)

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			20.8
Sample <#10			114
% Passing #10			72.8

### Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750	487.96	498.84	10.88 g	91.9	Gravel	
#10	2000	462.53	472.45	9.92 g	84.6	Sand	Coarse
#20	850	377.17	386.54	9.37 g	77.7	Sand	Medium
#40	425	365.41	379.73	14.32 g	67.1	Sand	Medium
#60	250	347.39	363.26	15.87 g	55.3	Sand	Fine
#80	180	336.52	342.49	5.97 g	50.9	Sand	Fine
#100	150	326.89	331.77	4.88 g	47.3	Sand	Fine
#200	75	312.09	321.06	8.97 g	40.7	Sand	Fine
				0.00 g	40.7		

### Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	135
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### Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2						Silt	
5						Silt	
15						Silt	
30						Silt	
60						Silt	
250						Clay	
1440						Clay	

# TestAmerica Burlington

## Sediment Grain Size - D422

Client	
Client Sample ID	B-19-C
Lab Sample ID	460-267197-L-8

Date Received	10/10/2022
Start Date	10/20/2022 17:21
End Date	10/21/2022 17:16

### Dry Weight Determination

Tin Weight	0.97 g
Wet Sample + Tin	24.61 g
Dry Sample + Tin	21.30 g
% Moisture	14.00 %

Non-soil material:	slag
Shape (> #10):	subangular
Hardness (> #10):	hard

Date/Time in oven	10/20/2022 17:23
Date/Time out of oven	10/21/2022 13:50

### Sample Weights

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	47.85	209.38	161.53
Sample Weight (Oven Dried)			139

### Hydrometer Data

Serial Number	
Calib. Date (mm/dd/yyyy)	
Low Temp (C)	
Reading at Low Temp	
High Temp (C)	
Reading at High Temp	
Hydrometer Cal Slope	#DIV/0!
Hydrometer Cal Intercept	#DIV/0!
Default Soil Gravity	2.6500

### Sample Split (oven dried)

	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			25.5
Sample <#10			114
% Passing #10			70.6

### Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500	447.18	461.86	14.68 g	89.4	Gravel	
#4	4750	487.96	492.07	4.11 g	86.4	Gravel	
#10	2000	462.53	469.28	6.75 g	81.5	Sand	Coarse
#20	850	372.65	380.39	7.74 g	75.9	Sand	Medium
#40	425	360.81	372.33	11.52 g	67.6	Sand	Medium
#60	250	351.10	365.28	14.18 g	57.4	Sand	Fine
#80	180	318.33	324.46	6.13 g	53.0	Sand	Fine
#100	150	327.46	330.53	3.07 g	50.8	Sand	Fine
#200	75	313.45	322.63	9.18 g	44.2	Sand	Fine
				0.00 g	44.2		

### Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	139
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### Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2						Silt	
5						Silt	
15						Silt	
30						Silt	
60						Silt	
250						Clay	
1440						Clay	



# Surrogate Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (72-145)	TOL (80-120)	BFB (75-139)	DBFM (73-139)
460-267197-1	B-20-G	111	100	102	117
460-267197-3	B-21-G	115	99	105	115
460-267197-5	B-18-G	108	96	104	111
460-267197-7	B-19-G	109	97	103	114
LCS 460-871525/5	Lab Control Sample	111	107	107	110
LCS 460-871630/4	Lab Control Sample	102	96	101	107
LCSD 460-871525/6	Lab Control Sample Dup	102	103	103	109
LCSD 460-871630/5	Lab Control Sample Dup	106	98	103	110
MB 460-871525/10	Method Blank	109	94	103	109
MB 460-871630/9	Method Blank	105	95	104	113

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene  
DBFM = Dibromofluoromethane (Surr)

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-128)	TOL (80-120)	BFB (76-120)	DBFM (77-124)
LCS 460-871882/4	Lab Control Sample	97	92	116	95
LCSD 460-871882/5	Lab Control Sample Dup	98	93	107	91
MB 460-871882/9	Method Blank	88	89	108	81

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene  
DBFM = Dibromofluoromethane (Surr)

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-128)	BFB (76-120)	DBFM (77-124)	TOL (80-120)
460-267197-1	B-20-G	86	113	85	87
460-267197-3	B-21-G	86	112	84	87
460-267197-5	B-18-G	85	108	83	91
460-267197-7	B-19-G	81	112	83	86
LB 460-871618/1-A	Method Blank	88	110	83	91

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

# Surrogate Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	NBZ (16-125)	PHL (23-120)	TPHL (25-126)	TBP (10-123)	2FP (18-123)	FBP (22-122)
460-267188-A-2-G MS	Matrix Spike	86	85	105	104	88	96
460-267188-A-2-H MSD	Matrix Spike Duplicate	84	84	107	104	88	96
460-267197-2	B-20-C	83	79	92	92	81	92
460-267197-4	B-21-C	84	79	95	94	84	94
460-267197-6	B-18-C	85	82	95	96	82	94
460-267197-8	B-19-C	87	82	94	94	83	97
LCS 460-871330/2-A	Lab Control Sample	79	78	95	101	80	89
LCSD 460-871330/3-A	Lab Control Sample Dup	82	81	101	106	81	90
MB 460-871330/1-A	Method Blank	85	79	98	96	80	94

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)  
PHL = Phenol-d5 (Surr)  
TPHL = Terphenyl-d14 (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)  
2FP = 2-Fluorophenol (Surr)  
FBP = 2-Fluorobiphenyl

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	NBZ (52-137)	PHL (10-56)	TPHL (22-150)	TBP (37-150)	2FP (19-80)	FBP (46-139)
LCS 460-871709/2-A	Lab Control Sample	86	26	81	114	41	75
LCSD 460-871709/3-A	Lab Control Sample Dup	85	26	83	117	41	73
MB 460-871709/1-A	Method Blank	82	24	85	103	39	75

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)  
PHL = Phenol-d5 (Surr)  
TPHL = Terphenyl-d14 (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)  
2FP = 2-Fluorophenol (Surr)  
FBP = 2-Fluorobiphenyl

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (37-150)	FBP (46-139)	2FP (19-80)	NBZ (52-137)	PHL (10-56)	TPHL (22-150)
460-267197-2	B-20-C	86	63	34	73	21	45
460-267197-4	B-21-C	87	70	36	75	23	50
460-267197-6	B-18-C	82	66	32	72	18	49
460-267197-8	B-19-C	86	73	33	77	21	49
LB 460-871543/1-D	Method Blank	89	64	35	75	22	82

### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol (Surr)

Eurofins Edison

# Surrogate Summary

Client: Montrose Environmental Solutions Inc

Job ID: 460-267197-1

Project/Site: Yaffa

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (43-150)	DCBP2 (43-150)	TCX1 (26-137)	TCX2 (26-137)
460-267188-A-2-D MS	Matrix Spike	98	89	76	82
460-267188-A-2-E MSD	Matrix Spike Duplicate	106	91	77	84
460-267197-2	B-20-C	102	100	88	93
460-267197-4	B-21-C	108	99	80	86
460-267197-6	B-18-C	97	95	80	85
460-267197-8	B-19-C	91	85	72	77
LCS 460-871329/2-A	Lab Control Sample	123	101	92	97
LCSD 460-871329/3-A	Lab Control Sample Dup	116	100	88	93
MB 460-871329/1-A	Method Blank	146	124	121	122

### Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (15-121)	DCBP2 (15-121)	TCX1 (17-120)	TCX2 (17-120)
LCS 460-871467/2-A	Lab Control Sample	77	73	71	70
LCSD 460-871467/3-A	Lab Control Sample Dup	84	73	71	69
MB 460-871467/1-A	Method Blank	108	110	97	92

### Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (15-121)	DCBP2 (15-121)	TCX1 (17-120)	TCX2 (17-120)
460-267197-2	B-20-C	97	90	82	82
460-267197-4	B-21-C	103	88	81	78
460-267197-6	B-18-C	101	85	85	79
460-267197-8	B-19-C	102	88	83	80
LB 460-871543/1-B	Method Blank	102	78	83	79

### Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

# Surrogate Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (42-150)	TCX2 (42-150)
460-267188-A-2-A MS	Matrix Spike	113	108	110	110
460-267188-A-2-B MSD	Matrix Spike Duplicate	99	94	96	96
460-267197-2	B-20-C	101	101	102	103
460-267197-4	B-21-C	101	103	95	96
460-267197-6	B-18-C	93	95	90	91
460-267197-8	B-19-C	86	86	84	84
LCS 460-871323/2-A	Lab Control Sample	124	115	122	117
MB 460-871323/1-A	Method Blank	100	93	99	97

**Surrogate Legend**  
DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

## Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (27-150)	DCPAA2 (27-150)
460-267187-F-10-H MS	Matrix Spike	103	99
460-267187-F-10-I MSD	Matrix Spike Duplicate	101	101
460-267197-2	B-20-C	123	94
460-267197-4	B-21-C	115	101
460-267197-6	B-18-C	101	90
460-267197-8	B-19-C	110	97
LCS 460-871480/2-A	Lab Control Sample	105	102
LCSD 460-871480/3-A	Lab Control Sample Dup	106	104
MB 460-871480/1-A	Method Blank	35	35

**Surrogate Legend**  
DCPAA = 2,4-Dichlorophenylacetic acid

## Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (10-150)	DCPAA2 (10-150)
LCS 460-871479/2-A	Lab Control Sample	48	46
LCSD 460-871479/3-A	Lab Control Sample Dup	48	47
MB 460-871479/1-A	Method Blank	15	15

**Surrogate Legend**  
DCPAA = 2,4-Dichlorophenylacetic acid

## Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (10-150)	DCPAA2 (10-150)
460-267197-2	B-20-C	51	50
460-267197-4	B-21-C	63	61

Euromins Edison

# Surrogate Summary

Client: Montrose Environmental Solutions Inc  
 Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid

Prep Type: TCLP

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (10-150)	DCPAA2 (10-150)
460-267197-6	B-18-C	20	20
460-267197-8	B-19-C	17	18
LB 460-871543/1-C	Method Blank	53	51

#### Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

## Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		OTPH1 (40-140)	1COD1 (40-140)
460-267197-2	B-20-C	85	92
460-267197-2 MS	B-20-C	90	105
460-267197-2 MSD	B-20-C	90	100
460-267197-4	B-21-C	110	106
460-267197-6	B-18-C	91	97
460-267197-8	B-19-C	111	116
LCS 460-871485/2-A	Lab Control Sample	105	176 S1+
LCSD 460-871485/3-A	Lab Control Sample Dup	103	170 S1+
MB 460-871485/1-A	Method Blank	100	108

#### Surrogate Legend

OTPH = o-Terphenyl

1COD = 1-Chlorooctadecane

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 460-871525/10**

**Matrix: Solid**

**Analysis Batch: 871525**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			10/12/22 18:54	1
Bromomethane	0.0010	U	0.0020	0.0010	mg/Kg			10/12/22 18:54	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			10/12/22 18:54	1
Methylene Chloride	0.0011	U	0.0020	0.0011	mg/Kg			10/12/22 18:54	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			10/12/22 18:54	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			10/12/22 18:54	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			10/12/22 18:54	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			10/12/22 18:54	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			10/12/22 18:54	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			10/12/22 18:54	1
cis-1,2-Dichloroethene	0.00036	U	0.0010	0.00036	mg/Kg			10/12/22 18:54	1
Chloroform	0.00097	U	0.0010	0.00097	mg/Kg			10/12/22 18:54	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			10/12/22 18:54	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			10/12/22 18:54	1
2-Butanone (MEK)	0.00037	U	0.0050	0.00037	mg/Kg			10/12/22 18:54	1
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			10/12/22 18:54	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			10/12/22 18:54	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			10/12/22 18:54	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			10/12/22 18:54	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			10/12/22 18:54	1
Trichloroethene	0.00032	U	0.0010	0.00032	mg/Kg			10/12/22 18:54	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			10/12/22 18:54	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			10/12/22 18:54	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			10/12/22 18:54	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			10/12/22 18:54	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			10/12/22 18:54	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			10/12/22 18:54	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			10/12/22 18:54	1
Tetrachloroethene	0.00031	U	0.0010	0.00031	mg/Kg			10/12/22 18:54	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			10/12/22 18:54	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			10/12/22 18:54	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			10/12/22 18:54	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			10/12/22 18:54	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			10/12/22 18:54	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			10/12/22 18:54	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			10/12/22 18:54	1
Acrolein	0.028	U	0.10	0.028	mg/Kg			10/12/22 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			10/12/22 18:54	1
TBA	0.0078	U	0.010	0.0078	mg/Kg			10/12/22 18:54	1
Acrylonitrile	0.0049	U	0.010	0.0049	mg/Kg			10/12/22 18:54	1
Methyl tert-butyl ether	0.00051	U	0.0010	0.00051	mg/Kg			10/12/22 18:54	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			10/12/22 18:54	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			10/12/22 18:54	1
1,3-Dichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg			10/12/22 18:54	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			10/12/22 18:54	1
1,2-Dichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			10/12/22 18:54	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			10/12/22 18:54	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			10/12/22 18:54	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 460-871525/10**  
**Matrix: Solid**  
**Analysis Batch: 871525**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.0092	U	0.10	0.0092	mg/Kg			10/12/22 18:54	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			10/12/22 18:54	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			10/12/22 18:54	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			10/12/22 18:54	1
Isopropylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			10/12/22 18:54	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			10/12/22 18:54	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			10/12/22 18:54	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg					10/12/22 18:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		72 - 145		10/12/22 18:54	1
Toluene-d8 (Surr)	94		80 - 120		10/12/22 18:54	1
4-Bromofluorobenzene	103		75 - 139		10/12/22 18:54	1
Dibromofluoromethane (Surr)	109		73 - 139		10/12/22 18:54	1

**Lab Sample ID: LCS 460-871525/5**  
**Matrix: Solid**  
**Analysis Batch: 871525**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	0.0200	0.0197		mg/Kg		98	63 - 130
Bromomethane	0.0200	0.0206		mg/Kg		103	64 - 150
Chloroethane	0.0200	0.0216		mg/Kg		108	68 - 132
Methylene Chloride	0.0200	0.0208		mg/Kg		104	76 - 120
Acetone	0.100	0.117		mg/Kg		117	63 - 131
Carbon disulfide	0.0200	0.0250	*+	mg/Kg		125	76 - 120
Trichlorofluoromethane	0.0200	0.0228		mg/Kg		114	76 - 142
1,1-Dichloroethene	0.0200	0.0226		mg/Kg		113	70 - 132
1,1-Dichloroethane	0.0200	0.0230		mg/Kg		115	77 - 129
trans-1,2-Dichloroethene	0.0200	0.0224		mg/Kg		112	78 - 120
cis-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		110	80 - 123
Chloroform	0.0200	0.0214		mg/Kg		107	79 - 126
Vinyl chloride	0.0200	0.0234		mg/Kg		117	72 - 131
1,2-Dichloroethane	0.0200	0.0193		mg/Kg		97	75 - 123
2-Butanone (MEK)	0.100	0.109		mg/Kg		109	75 - 120
1,1,1-Trichloroethane	0.0200	0.0221		mg/Kg		110	78 - 120
Carbon tetrachloride	0.0200	0.0244	*+	mg/Kg		122	77 - 121
Dichlorobromomethane	0.0200	0.0221		mg/Kg		111	73 - 124
1,2-Dichloropropane	0.0200	0.0207		mg/Kg		104	73 - 124
cis-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		99	80 - 120
Trichloroethene	0.0200	0.0205		mg/Kg		103	79 - 120
Chlorodibromomethane	0.0200	0.0263	*+	mg/Kg		132	80 - 120
1,1,2-Trichloroethane	0.0200	0.0219		mg/Kg		109	80 - 120
Benzene	0.0200	0.0211		mg/Kg		106	80 - 123
trans-1,3-Dichloropropene	0.0200	0.0190		mg/Kg		95	80 - 120
Bromoform	0.0200	0.0259	*+	mg/Kg		130	70 - 125

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 460-871525/5**  
**Matrix: Solid**  
**Analysis Batch: 871525**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (MIBK)	0.100	0.120		mg/Kg		120	80 - 122
2-Hexanone	0.100	0.146	*+	mg/Kg		146	70 - 128
Tetrachloroethene	0.0200	0.0197		mg/Kg		98	78 - 123
1,1,2,2-Tetrachloroethane	0.0200	0.0235		mg/Kg		117	66 - 123
Toluene	0.0200	0.0209		mg/Kg		105	80 - 120
Chlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120
Ethylbenzene	0.0200	0.0222		mg/Kg		111	76 - 120
Styrene	0.0200	0.0218		mg/Kg		109	80 - 120
m-Xylene & p-Xylene	0.0200	0.0207		mg/Kg		103	80 - 120
o-Xylene	0.0200	0.0219		mg/Kg		109	80 - 120
Acrolein	0.300	0.294		mg/Kg		98	10 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0224		mg/Kg		112	75 - 141
TBA	0.200	0.220		mg/Kg		110	80 - 120
Acrylonitrile	0.200	0.230		mg/Kg		115	66 - 134
Methyl tert-butyl ether	0.0200	0.0215		mg/Kg		108	80 - 125
Cyclohexane	0.0200	0.0230		mg/Kg		115	70 - 132
Ethylene Dibromide	0.0200	0.0206		mg/Kg		103	79 - 120
1,3-Dichlorobenzene	0.0200	0.0215		mg/Kg		107	80 - 120
1,4-Dichlorobenzene	0.0200	0.0219		mg/Kg		109	80 - 120
1,2-Dichlorobenzene	0.0200	0.0215		mg/Kg		108	80 - 120
Dichlorodifluoromethane	0.0200	0.0198		mg/Kg		99	62 - 150
1,2,4-Trichlorobenzene	0.0200	0.0210		mg/Kg		105	68 - 150
1,4-Dioxane	0.400	0.509		mg/Kg		127	80 - 136
1,2,3-Trichlorobenzene	0.0200	0.0214		mg/Kg		107	44 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0208		mg/Kg		104	60 - 124
Chlorobromomethane	0.0200	0.0201		mg/Kg		100	76 - 127
Isopropylbenzene	0.0200	0.0220		mg/Kg		110	80 - 120
Methyl acetate	0.0400	0.0416		mg/Kg		104	58 - 143
Methylcyclohexane	0.0200	0.0224		mg/Kg		112	70 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		72 - 145
Toluene-d8 (Surr)	107		80 - 120
4-Bromofluorobenzene	107		75 - 139
Dibromofluoromethane (Surr)	110		73 - 139

**Lab Sample ID: LCSD 460-871525/6**  
**Matrix: Solid**  
**Analysis Batch: 871525**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	0.0200	0.0178		mg/Kg		89	63 - 130	10	30
Bromomethane	0.0200	0.0210		mg/Kg		105	64 - 150	2	30
Chloroethane	0.0200	0.0216		mg/Kg		108	68 - 132	0	30
Methylene Chloride	0.0200	0.0193		mg/Kg		97	76 - 120	7	30
Acetone	0.100	0.102		mg/Kg		102	63 - 131	14	30
Carbon disulfide	0.0200	0.0235		mg/Kg		118	76 - 120	6	30
Trichlorofluoromethane	0.0200	0.0212		mg/Kg		106	76 - 142	7	30

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 460-871525/6**  
**Matrix: Solid**  
**Analysis Batch: 871525**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0224		mg/Kg		112	70 - 132	1	30
1,1-Dichloroethane	0.0200	0.0210		mg/Kg		105	77 - 129	9	30
trans-1,2-Dichloroethene	0.0200	0.0213		mg/Kg		106	78 - 120	5	30
cis-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	80 - 123	9	30
Chloroform	0.0200	0.0203		mg/Kg		102	79 - 126	5	30
Vinyl chloride	0.0200	0.0219		mg/Kg		109	72 - 131	7	30
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	75 - 123	2	30
2-Butanone (MEK)	0.100	0.0955		mg/Kg		95	75 - 120	13	30
1,1,1-Trichloroethane	0.0200	0.0212		mg/Kg		106	78 - 120	4	30
Carbon tetrachloride	0.0200	0.0230		mg/Kg		115	77 - 121	6	30
Dichlorobromomethane	0.0200	0.0205		mg/Kg		102	73 - 124	8	30
1,2-Dichloropropane	0.0200	0.0196		mg/Kg		98	73 - 124	6	30
cis-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		94	80 - 120	4	30
Trichloroethene	0.0200	0.0190		mg/Kg		95	79 - 120	8	30
Chlorodibromomethane	0.0200	0.0226		mg/Kg		113	80 - 120	15	30
1,1,2-Trichloroethane	0.0200	0.0192		mg/Kg		96	80 - 120	13	30
Benzene	0.0200	0.0199		mg/Kg		99	80 - 123	6	30
trans-1,3-Dichloropropene	0.0200	0.0181		mg/Kg		90	80 - 120	5	30
Bromoform	0.0200	0.0236		mg/Kg		118	70 - 125	10	30
4-Methyl-2-pentanone (MIBK)	0.100	0.102		mg/Kg		102	80 - 122	16	30
2-Hexanone	0.100	0.129	*+	mg/Kg		129	70 - 128	12	30
Tetrachloroethene	0.0200	0.0181		mg/Kg		91	78 - 123	8	30
1,1,2,2-Tetrachloroethane	0.0200	0.0192		mg/Kg		96	66 - 123	20	30
Toluene	0.0200	0.0191		mg/Kg		96	80 - 120	9	30
Chlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	9	30
Ethylbenzene	0.0200	0.0204		mg/Kg		102	76 - 120	9	30
Styrene	0.0200	0.0192		mg/Kg		96	80 - 120	13	30
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		93	80 - 120	10	30
o-Xylene	0.0200	0.0195		mg/Kg		98	80 - 120	11	30
Acrolein	0.300	0.326		mg/Kg		109	10 - 150	11	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0215		mg/Kg		107	75 - 141	4	30
TBA	0.200	0.202		mg/Kg		101	80 - 120	8	30
Acrylonitrile	0.200	0.199		mg/Kg		100	66 - 134	14	30
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	80 - 125	7	30
Cyclohexane	0.0200	0.0200		mg/Kg		100	70 - 132	14	30
Ethylene Dibromide	0.0200	0.0181		mg/Kg		91	79 - 120	13	30
1,3-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120	15	30
1,4-Dichlorobenzene	0.0200	0.0181		mg/Kg		90	80 - 120	19	30
1,2-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	11	30
Dichlorodifluoromethane	0.0200	0.0211		mg/Kg		106	62 - 150	7	30
1,2,4-Trichlorobenzene	0.0200	0.0162		mg/Kg		81	68 - 150	26	30
1,4-Dioxane	0.400	0.457		mg/Kg		114	80 - 136	11	30
1,2,3-Trichlorobenzene	0.0200	0.0169		mg/Kg		85	44 - 120	23	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0163		mg/Kg		81	60 - 124	25	30
Chlorobromomethane	0.0200	0.0194		mg/Kg		97	76 - 127	4	30
Isopropylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120	18	30
Methyl acetate	0.0400	0.0382		mg/Kg		96	58 - 143	8	30
Methylcyclohexane	0.0200	0.0180		mg/Kg		90	70 - 133	22	30

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
 Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		72 - 145
Toluene-d8 (Surr)	103		80 - 120
4-Bromofluorobenzene	103		75 - 139
Dibromofluoromethane (Surr)	109		73 - 139

**Lab Sample ID: MB 460-871630/9**  
**Matrix: Solid**  
**Analysis Batch: 871630**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			10/13/22 07:30	1
Bromomethane	0.0010	U	0.0020	0.0010	mg/Kg			10/13/22 07:30	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			10/13/22 07:30	1
Methylene Chloride	0.0011	U	0.0020	0.0011	mg/Kg			10/13/22 07:30	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			10/13/22 07:30	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			10/13/22 07:30	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			10/13/22 07:30	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			10/13/22 07:30	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			10/13/22 07:30	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			10/13/22 07:30	1
cis-1,2-Dichloroethene	0.00036	U	0.0010	0.00036	mg/Kg			10/13/22 07:30	1
Chloroform	0.00097	U	0.0010	0.00097	mg/Kg			10/13/22 07:30	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			10/13/22 07:30	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			10/13/22 07:30	1
2-Butanone (MEK)	0.00037	U	0.0050	0.00037	mg/Kg			10/13/22 07:30	1
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			10/13/22 07:30	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			10/13/22 07:30	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			10/13/22 07:30	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			10/13/22 07:30	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			10/13/22 07:30	1
Trichloroethene	0.00032	U	0.0010	0.00032	mg/Kg			10/13/22 07:30	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			10/13/22 07:30	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			10/13/22 07:30	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			10/13/22 07:30	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			10/13/22 07:30	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			10/13/22 07:30	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			10/13/22 07:30	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			10/13/22 07:30	1
Tetrachloroethene	0.00031	U	0.0010	0.00031	mg/Kg			10/13/22 07:30	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			10/13/22 07:30	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			10/13/22 07:30	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			10/13/22 07:30	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			10/13/22 07:30	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			10/13/22 07:30	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			10/13/22 07:30	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			10/13/22 07:30	1
Acrolein	0.028	U	0.10	0.028	mg/Kg			10/13/22 07:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			10/13/22 07:30	1
TBA	0.0078	U	0.010	0.0078	mg/Kg			10/13/22 07:30	1
Acrylonitrile	0.0049	U	0.010	0.0049	mg/Kg			10/13/22 07:30	1
Methyl tert-butyl ether	0.00051	U	0.0010	0.00051	mg/Kg			10/13/22 07:30	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 460-871630/9**  
**Matrix: Solid**  
**Analysis Batch: 871630**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			10/13/22 07:30	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			10/13/22 07:30	1
1,3-Dichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg			10/13/22 07:30	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			10/13/22 07:30	1
1,2-Dichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			10/13/22 07:30	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			10/13/22 07:30	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			10/13/22 07:30	1
1,4-Dioxane	0.0092	U	0.10	0.0092	mg/Kg			10/13/22 07:30	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			10/13/22 07:30	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			10/13/22 07:30	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			10/13/22 07:30	1
Isopropylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			10/13/22 07:30	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			10/13/22 07:30	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			10/13/22 07:30	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg					10/13/22 07:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		72 - 145		10/13/22 07:30	1
Toluene-d8 (Surr)	95		80 - 120		10/13/22 07:30	1
4-Bromofluorobenzene	104		75 - 139		10/13/22 07:30	1
Dibromofluoromethane (Surr)	113		73 - 139		10/13/22 07:30	1

**Lab Sample ID: LCS 460-871630/4**  
**Matrix: Solid**  
**Analysis Batch: 871630**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	0.0200	0.0175		mg/Kg		88	63 - 130
Bromomethane	0.0200	0.0200		mg/Kg		100	64 - 150
Chloroethane	0.0200	0.0194		mg/Kg		97	68 - 132
Methylene Chloride	0.0200	0.0206		mg/Kg		103	76 - 120
Acetone	0.100	0.101		mg/Kg		101	63 - 131
Carbon disulfide	0.0200	0.0238		mg/Kg		119	76 - 120
Trichlorofluoromethane	0.0200	0.0197		mg/Kg		99	76 - 142
1,1-Dichloroethene	0.0200	0.0231		mg/Kg		116	70 - 132
1,1-Dichloroethane	0.0200	0.0223		mg/Kg		111	77 - 129
trans-1,2-Dichloroethene	0.0200	0.0237		mg/Kg		118	78 - 120
cis-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	80 - 123
Chloroform	0.0200	0.0212		mg/Kg		106	79 - 126
Vinyl chloride	0.0200	0.0206		mg/Kg		103	72 - 131
1,2-Dichloroethane	0.0200	0.0208		mg/Kg		104	75 - 123
2-Butanone (MEK)	0.100	0.0993		mg/Kg		99	75 - 120
1,1,1-Trichloroethane	0.0200	0.0224		mg/Kg		112	78 - 120
Carbon tetrachloride	0.0200	0.0262	*+	mg/Kg		131	77 - 121
Dichlorobromomethane	0.0200	0.0230		mg/Kg		115	73 - 124
1,2-Dichloropropane	0.0200	0.0217		mg/Kg		109	73 - 124

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 460-871630/4**  
**Matrix: Solid**  
**Analysis Batch: 871630**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	80 - 120
Trichloroethene	0.0200	0.0204		mg/Kg		102	79 - 120
Chlorodibromomethane	0.0200	0.0255	*+	mg/Kg		127	80 - 120
1,1,2-Trichloroethane	0.0200	0.0192		mg/Kg		96	80 - 120
Benzene	0.0200	0.0204		mg/Kg		102	80 - 123
trans-1,3-Dichloropropene	0.0200	0.0167		mg/Kg		84	80 - 120
Bromoform	0.0200	0.0252	*+	mg/Kg		126	70 - 125
4-Methyl-2-pentanone (MIBK)	0.100	0.110		mg/Kg		110	80 - 122
2-Hexanone	0.100	0.135	*+	mg/Kg		135	70 - 128
Tetrachloroethene	0.0200	0.0205		mg/Kg		103	78 - 123
1,1,1,2-Tetrachloroethane	0.0200	0.0201		mg/Kg		100	66 - 123
Toluene	0.0200	0.0198		mg/Kg		99	80 - 120
Chlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
Ethylbenzene	0.0200	0.0214		mg/Kg		107	76 - 120
Styrene	0.0200	0.0206		mg/Kg		103	80 - 120
m-Xylene & p-Xylene	0.0200	0.0205		mg/Kg		103	80 - 120
o-Xylene	0.0200	0.0208		mg/Kg		104	80 - 120
Acrolein	0.300	0.271		mg/Kg		90	10 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0236		mg/Kg		118	75 - 141
TBA	0.200	0.191		mg/Kg		95	80 - 120
Acrylonitrile	0.200	0.207		mg/Kg		104	66 - 134
Methyl tert-butyl ether	0.0200	0.0216		mg/Kg		108	80 - 125
Cyclohexane	0.0200	0.0233		mg/Kg		116	70 - 132
Ethylene Dibromide	0.0200	0.0185		mg/Kg		93	79 - 120
1,3-Dichlorobenzene	0.0200	0.0209		mg/Kg		104	80 - 120
1,4-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
1,2-Dichlorobenzene	0.0200	0.0213		mg/Kg		107	80 - 120
Dichlorodifluoromethane	0.0200	0.0211		mg/Kg		106	62 - 150
1,2,4-Trichlorobenzene	0.0200	0.0207		mg/Kg		103	68 - 150
1,4-Dioxane	0.400	0.459		mg/Kg		115	80 - 136
1,2,3-Trichlorobenzene	0.0200	0.0218		mg/Kg		109	44 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0166		mg/Kg		83	60 - 124
Chlorobromomethane	0.0200	0.0211		mg/Kg		106	76 - 127
Isopropylbenzene	0.0200	0.0213		mg/Kg		107	80 - 120
Methyl acetate	0.0400	0.0436		mg/Kg		109	58 - 143
Methylcyclohexane	0.0200	0.0234		mg/Kg		117	70 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		72 - 145
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene	101		75 - 139
Dibromofluoromethane (Surr)	107		73 - 139

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-871630/5

Matrix: Solid

Analysis Batch: 871630

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	0.0200	0.0185		mg/Kg		93	63 - 130	5	30
Bromomethane	0.0200	0.0198		mg/Kg		99	64 - 150	1	30
Chloroethane	0.0200	0.0201		mg/Kg		100	68 - 132	4	30
Methylene Chloride	0.0200	0.0201		mg/Kg		101	76 - 120	2	30
Acetone	0.100	0.102		mg/Kg		102	63 - 131	1	30
Carbon disulfide	0.0200	0.0246	*+	mg/Kg		123	76 - 120	3	30
Trichlorofluoromethane	0.0200	0.0221		mg/Kg		110	76 - 142	11	30
1,1-Dichloroethene	0.0200	0.0246		mg/Kg		123	70 - 132	6	30
1,1-Dichloroethane	0.0200	0.0220		mg/Kg		110	77 - 129	1	30
trans-1,2-Dichloroethene	0.0200	0.0224		mg/Kg		112	78 - 120	5	30
cis-1,2-Dichloroethene	0.0200	0.0222		mg/Kg		111	80 - 123	1	30
Chloroform	0.0200	0.0212		mg/Kg		106	79 - 126	0	30
Vinyl chloride	0.0200	0.0210		mg/Kg		105	72 - 131	2	30
1,2-Dichloroethane	0.0200	0.0198		mg/Kg		99	75 - 123	5	30
2-Butanone (MEK)	0.100	0.0969		mg/Kg		97	75 - 120	2	30
1,1,1-Trichloroethane	0.0200	0.0231		mg/Kg		116	78 - 120	3	30
Carbon tetrachloride	0.0200	0.0265	*+	mg/Kg		133	77 - 121	1	30
Dichlorobromomethane	0.0200	0.0220		mg/Kg		110	73 - 124	4	30
1,2-Dichloropropane	0.0200	0.0212		mg/Kg		106	73 - 124	3	30
cis-1,3-Dichloropropene	0.0200	0.0183		mg/Kg		91	80 - 120	0	30
Trichloroethene	0.0200	0.0207		mg/Kg		104	79 - 120	2	30
Chlorodibromomethane	0.0200	0.0256	*+	mg/Kg		128	80 - 120	0	30
1,1,2-Trichloroethane	0.0200	0.0184		mg/Kg		92	80 - 120	4	30
Benzene	0.0200	0.0198		mg/Kg		99	80 - 123	3	30
trans-1,3-Dichloropropene	0.0200	0.0163		mg/Kg		82	80 - 120	2	30
Bromoform	0.0200	0.0233		mg/Kg		117	70 - 125	8	30
4-Methyl-2-pentanone (MIBK)	0.100	0.107		mg/Kg		107	80 - 122	3	30
2-Hexanone	0.100	0.128		mg/Kg		128	70 - 128	5	30
Tetrachloroethene	0.0200	0.0209		mg/Kg		104	78 - 123	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0200		mg/Kg		100	66 - 123	0	30
Toluene	0.0200	0.0197		mg/Kg		99	80 - 120	0	30
Chlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120	6	30
Ethylbenzene	0.0200	0.0203		mg/Kg		102	76 - 120	5	30
Styrene	0.0200	0.0195		mg/Kg		98	80 - 120	5	30
m-Xylene & p-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120	3	30
o-Xylene	0.0200	0.0196		mg/Kg		98	80 - 120	6	30
Acrolein	0.300	0.249		mg/Kg		83	10 - 150	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0253		mg/Kg		127	75 - 141	7	30
TBA	0.200	0.191		mg/Kg		96	80 - 120	0	30
Acrylonitrile	0.200	0.207		mg/Kg		103	66 - 134	0	30
Methyl tert-butyl ether	0.0200	0.0215		mg/Kg		107	80 - 125	1	30
Cyclohexane	0.0200	0.0239		mg/Kg		120	70 - 132	3	30
Ethylene Dibromide	0.0200	0.0186		mg/Kg		93	79 - 120	0	30
1,3-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120	3	30
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	8	30
Dichlorodifluoromethane	0.0200	0.0213		mg/Kg		106	62 - 150	1	30
1,2,4-Trichlorobenzene	0.0200	0.0201		mg/Kg		101	68 - 150	3	30

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 460-871630/5**  
**Matrix: Solid**  
**Analysis Batch: 871630**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.400	0.409		mg/Kg		102	80 - 136	12	30
1,2,3-Trichlorobenzene	0.0200	0.0198		mg/Kg		99	44 - 120	9	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0166		mg/Kg		83	60 - 124	0	30
Chlorobromomethane	0.0200	0.0212		mg/Kg		106	76 - 127	0	30
Isopropylbenzene	0.0200	0.0207		mg/Kg		104	80 - 120	3	30
Methyl acetate	0.0400	0.0349		mg/Kg		87	58 - 143	22	30
Methylcyclohexane	0.0200	0.0245		mg/Kg		123	70 - 133	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		72 - 145
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene	103		75 - 139
Dibromofluoromethane (Surr)	110		73 - 139

**Lab Sample ID: MB 460-871882/9**  
**Matrix: Solid**  
**Analysis Batch: 871882**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.00026	U	0.0010	0.00026	mg/L			10/14/22 10:54	1
Chloroform	0.00033	U	0.0010	0.00033	mg/L			10/14/22 10:54	1
Vinyl chloride	0.00017	U	0.0010	0.00017	mg/L			10/14/22 10:54	1
1,2-Dichloroethane	0.00043	U	0.0010	0.00043	mg/L			10/14/22 10:54	1
2-Butanone (MEK)	0.0019	U	0.0050	0.0019	mg/L			10/14/22 10:54	1
Carbon tetrachloride	0.00021	U	0.0010	0.00021	mg/L			10/14/22 10:54	1
Trichloroethene	0.00031	U	0.0010	0.00031	mg/L			10/14/22 10:54	1
Benzene	0.00020	U	0.0010	0.00020	mg/L			10/14/22 10:54	1
Tetrachloroethene	0.00025	U	0.0010	0.00025	mg/L			10/14/22 10:54	1
Chlorobenzene	0.00038	U	0.0010	0.00038	mg/L			10/14/22 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 128		10/14/22 10:54	1
Toluene-d8 (Surr)	89		80 - 120		10/14/22 10:54	1
4-Bromofluorobenzene	108		76 - 120		10/14/22 10:54	1
Dibromofluoromethane (Surr)	81		77 - 124		10/14/22 10:54	1

**Lab Sample ID: LCS 460-871882/4**  
**Matrix: Solid**  
**Analysis Batch: 871882**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	0.0200	0.0216		mg/L		108	68 - 133
Chloroform	0.0200	0.0228		mg/L		114	78 - 125
Vinyl chloride	0.0200	0.0185		mg/L		93	55 - 144
1,2-Dichloroethane	0.0200	0.0236		mg/L		118	66 - 129
2-Butanone (MEK)	0.100	0.101		mg/L		101	61 - 128
Carbon tetrachloride	0.0200	0.0235		mg/L		117	61 - 131
Trichloroethene	0.0200	0.0198		mg/L		99	71 - 121

Eurofins Edison

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 460-871882/4**  
**Matrix: Solid**  
**Analysis Batch: 871882**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0200	0.0211		mg/L		106	71 - 126
Tetrachloroethene	0.0200	0.0193		mg/L		97	70 - 127
Chlorobenzene	0.0200	0.0202		mg/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 128
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene	116		76 - 120
Dibromofluoromethane (Surr)	95		77 - 124

**Lab Sample ID: LCSD 460-871882/5**  
**Matrix: Solid**  
**Analysis Batch: 871882**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0196		mg/L		98	68 - 133	10	30
Chloroform	0.0200	0.0222		mg/L		111	78 - 125	3	30
Vinyl chloride	0.0200	0.0194		mg/L		97	55 - 144	5	30
1,2-Dichloroethane	0.0200	0.0243		mg/L		122	66 - 129	3	30
2-Butanone (MEK)	0.100	0.0971		mg/L		97	61 - 128	4	30
Carbon tetrachloride	0.0200	0.0233		mg/L		116	61 - 131	1	30
Trichloroethene	0.0200	0.0205		mg/L		103	71 - 121	4	30
Benzene	0.0200	0.0210		mg/L		105	71 - 126	1	30
Tetrachloroethene	0.0200	0.0192		mg/L		96	70 - 127	1	30
Chlorobenzene	0.0200	0.0209		mg/L		104	80 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 128
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene	107		76 - 120
Dibromofluoromethane (Surr)	91		77 - 124

**Lab Sample ID: LB 460-871618/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871882**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0026	U	0.010	0.0026	mg/L			10/14/22 11:59	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/14/22 11:59	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/14/22 11:59	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/14/22 11:59	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/14/22 11:59	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/14/22 11:59	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/14/22 11:59	10
Benzene	0.0020	U	0.010	0.0020	mg/L			10/14/22 11:59	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/14/22 11:59	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/14/22 11:59	10

Eurofins Edison

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LB 460-871618/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871882**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	88		70 - 128		10/14/22 11:59	10
Toluene-d8 (Surr)	91		80 - 120		10/14/22 11:59	10
4-Bromofluorobenzene	110		76 - 120		10/14/22 11:59	10
Dibromofluoromethane (Surr)	83		77 - 124		10/14/22 11:59	10

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 460-871330/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Phenol	0.012	U	0.33	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2-Chlorophenol	0.012	U	0.33	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
4-Methylphenol	0.021	U	0.33	0.021	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2-Nitrophenol	0.033	U	0.33	0.033	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,4-Dimethylphenol	0.039	U	0.33	0.039	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,4-Dichlorophenol	0.021	U	0.13	0.021	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2-Methylphenol	0.012	U	0.33	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
4-Chloro-3-methylphenol	0.019	U	0.33	0.019	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,4,6-Trichlorophenol	0.042	U	0.13	0.042	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,4,5-Trichlorophenol	0.034	U	0.33	0.034	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,4-Dinitrotoluene	0.036	U	0.067	0.036	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
4-Nitrophenol	0.054	U	0.67	0.054	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
4,6-Dinitro-2-methylphenol	0.14	U	0.27	0.14	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
N-Nitrosodimethylamine	0.031	U	0.33	0.031	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Pentachlorophenol	0.068	U	0.27	0.068	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Bis(2-chloroethyl)ether	0.012	U	0.033	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
N-Nitrosodi-n-propylamine	0.024	U	0.033	0.024	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Hexachloroethane	0.011	U	0.033	0.011	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Nitrobenzene	0.018	U	0.033	0.018	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Isophorone	0.096	U	0.13	0.096	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Naphthalene	0.0057	U	0.33	0.0057	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
4-Chloroaniline	0.059	U	0.33	0.059	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Hexachlorobutadiene	0.0070	U	0.067	0.0070	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2-Methylnaphthalene	0.0093	U	0.33	0.0093	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Hexachlorocyclopentadiene	0.029	U	0.33	0.029	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2-Chloronaphthalene	0.015	U	0.33	0.015	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2-Nitroaniline	0.025	U	0.33	0.025	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Dimethyl phthalate	0.075	U	0.33	0.075	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Acenaphthylene	0.0095	U	0.33	0.0095	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,6-Dinitrotoluene	0.024	U	0.067	0.024	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
3-Nitroaniline	0.079	U	0.33	0.079	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Acenaphthene	0.0094	U	0.33	0.0094	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Dibenzofuran	0.011	U	0.33	0.011	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,4-Dinitrophenol	0.16	U	0.27	0.16	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Diethyl phthalate	0.011	U	0.33	0.011	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
4-Chlorophenyl phenyl ether	0.012	U	0.33	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Fluorene	0.0097	U	0.33	0.0097	mg/Kg		10/11/22 16:59	10/12/22 00:38	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 460-871330/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Nitroaniline	0.038	U	0.33	0.038	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
N-Nitrosodiphenylamine	0.027	U	0.33	0.027	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
4-Bromophenyl phenyl ether	0.013	U	0.33	0.013	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Hexachlorobenzene	0.016	U	0.033	0.016	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Phenanthrene	0.0058	U	0.33	0.0058	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Carbazole	0.013	U	0.33	0.013	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Di-n-butyl phthalate	0.012	U	0.33	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Fluoranthene	0.012	U	0.33	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Pyrene	0.0082	U	0.33	0.0082	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Benzidine	0.069	U	0.33	0.069	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Butyl benzyl phthalate	0.016	U	0.33	0.016	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Benzo[a]anthracene	0.012	U	0.033	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Chrysene	0.0056	U	0.33	0.0056	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Di-n-octyl phthalate	0.018	U	0.33	0.018	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Benzo[b]fluoranthene	0.0086	U	0.033	0.0086	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Benzo[k]fluoranthene	0.0065	U	0.033	0.0065	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Benzo[a]pyrene	0.0088	U	0.033	0.0088	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.033	0.013	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Dibenz(a,h)anthracene	0.014	U	0.033	0.014	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Benzo[g,h,i]perylene	0.0098	U	0.33	0.0098	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
1,2-Diphenylhydrazine	0.013	U	0.33	0.013	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
1,1'-Biphenyl	0.012	U	0.33	0.012	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Acetophenone	0.016	U	0.33	0.016	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Benzaldehyde	0.055	U	0.33	0.055	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Caprolactam	0.051	U	0.33	0.051	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Atrazine	0.019	U	0.13	0.019	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,2'-oxybis[1-chloropropane]	0.0060	U	0.33	0.0060	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.33	0.010	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
2,3,4,6-Tetrachlorophenol	0.022	U	0.33	0.022	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
3,3'-Dichlorobenzidine	0.050	U	0.13	0.050	mg/Kg		10/11/22 16:59	10/12/22 00:38	1
Bis(2-chloroethoxy)methane	0.026	U	0.33	0.026	mg/Kg		10/11/22 16:59	10/12/22 00:38	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		mg/Kg				10/11/22 16:59	10/12/22 00:38	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	85		16 - 125	10/11/22 16:59	10/12/22 00:38	1
Phenol-d5 (Surr)	79		23 - 120	10/11/22 16:59	10/12/22 00:38	1
Terphenyl-d14 (Surr)	98		25 - 126	10/11/22 16:59	10/12/22 00:38	1
2,4,6-Tribromophenol (Surr)	96		10 - 123	10/11/22 16:59	10/12/22 00:38	1
2-Fluorophenol (Surr)	80		18 - 123	10/11/22 16:59	10/12/22 00:38	1
2-Fluorobiphenyl	94		22 - 122	10/11/22 16:59	10/12/22 00:38	1

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 460-871330/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	3.33	2.95		mg/Kg		88	63 - 120
2-Chlorophenol	3.33	2.91		mg/Kg		87	63 - 120
4-Methylphenol	3.33	3.04		mg/Kg		91	61 - 120
2-Nitrophenol	3.33	3.12		mg/Kg		94	64 - 120
2,4-Dimethylphenol	3.33	2.95		mg/Kg		88	67 - 120
2,4-Dichlorophenol	3.33	3.15		mg/Kg		95	66 - 120
2-Methylphenol	3.33	2.94		mg/Kg		88	63 - 120
4-Chloro-3-methylphenol	3.33	3.06		mg/Kg		92	66 - 120
2,4,6-Trichlorophenol	3.33	3.18		mg/Kg		95	58 - 120
2,4,5-Trichlorophenol	3.33	3.31		mg/Kg		99	59 - 120
2,4-Dinitrotoluene	3.33	3.55		mg/Kg		107	65 - 124
4-Nitrophenol	6.67	5.31		mg/Kg		80	52 - 123
4,6-Dinitro-2-methylphenol	6.67	6.74		mg/Kg		101	50 - 136
N-Nitrosodimethylamine	3.33	2.67		mg/Kg		80	57 - 120
Pentachlorophenol	6.67	5.64		mg/Kg		85	37 - 126
Bis(2-chloroethyl)ether	3.33	2.92		mg/Kg		88	60 - 120
N-Nitrosodi-n-propylamine	3.33	2.75		mg/Kg		83	61 - 120
Hexachloroethane	3.33	2.99		mg/Kg		90	61 - 120
Nitrobenzene	3.33	2.92		mg/Kg		88	63 - 120
Isophorone	3.33	2.98		mg/Kg		90	67 - 120
Naphthalene	3.33	3.12		mg/Kg		94	63 - 120
4-Chloroaniline	3.33	2.41		mg/Kg		72	15 - 128
Hexachlorobutadiene	3.33	3.12		mg/Kg		93	62 - 120
2-Methylnaphthalene	3.33	2.75		mg/Kg		83	64 - 120
Hexachlorocyclopentadiene	3.33	2.88		mg/Kg		86	38 - 120
2-Chloronaphthalene	3.33	3.33		mg/Kg		100	60 - 120
2-Nitroaniline	3.33	2.74		mg/Kg		82	48 - 120
Dimethyl phthalate	3.33	3.42		mg/Kg		103	65 - 120
Acenaphthylene	3.33	3.07		mg/Kg		92	64 - 120
2,6-Dinitrotoluene	3.33	3.49		mg/Kg		105	67 - 121
3-Nitroaniline	3.33	3.08		mg/Kg		92	39 - 122
Acenaphthene	3.33	2.93		mg/Kg		88	49 - 120
Dibenzofuran	3.33	3.36		mg/Kg		101	61 - 120
2,4-Dinitrophenol	6.67	5.88		mg/Kg		88	36 - 129
Diethyl phthalate	3.33	3.36		mg/Kg		101	63 - 120
4-Chlorophenyl phenyl ether	3.33	3.36		mg/Kg		101	62 - 120
Fluorene	3.33	3.33		mg/Kg		100	60 - 120
4-Nitroaniline	3.33	3.29		mg/Kg		99	55 - 120
N-Nitrosodiphenylamine	3.33	3.20		mg/Kg		96	63 - 120
4-Bromophenyl phenyl ether	3.33	3.28		mg/Kg		98	67 - 120
Hexachlorobenzene	3.33	3.32		mg/Kg		100	66 - 120
Phenanthrene	3.33	3.27		mg/Kg		98	66 - 120
Anthracene	3.33	3.33		mg/Kg		100	67 - 120
Carbazole	3.33	3.31		mg/Kg		99	64 - 120
Di-n-butyl phthalate	3.33	3.44		mg/Kg		103	66 - 120
Fluoranthene	3.33	3.33		mg/Kg		100	61 - 120
Pyrene	3.33	3.44		mg/Kg		103	61 - 121
Benzidine	3.33	2.61		mg/Kg		78	10 - 137

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 460-871330/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Butyl benzyl phthalate	3.33	3.57		mg/Kg		107	62 - 127
Benzo[a]anthracene	3.33	3.30		mg/Kg		99	62 - 120
Chrysene	3.33	3.21		mg/Kg		96	63 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.34		mg/Kg		100	59 - 125
Di-n-octyl phthalate	3.33	3.46		mg/Kg		104	65 - 133
Benzo[b]fluoranthene	3.33	3.27		mg/Kg		98	70 - 125
Benzo[k]fluoranthene	3.33	3.52		mg/Kg		106	67 - 122
Benzo[a]pyrene	3.33	3.15		mg/Kg		94	73 - 123
Indeno[1,2,3-cd]pyrene	3.33	3.90		mg/Kg		117	62 - 130
Dibenz(a,h)anthracene	3.33	3.72		mg/Kg		112	66 - 128
Benzo[g,h,i]perylene	3.33	3.47		mg/Kg		104	66 - 120
1,2-Diphenylhydrazine	3.33	3.10		mg/Kg		93	55 - 125
1,1'-Biphenyl	3.33	3.36		mg/Kg		101	59 - 120
Acetophenone	3.33	2.83		mg/Kg		85	61 - 120
Benzaldehyde	1.33	1.11		mg/Kg		84	34 - 150
Caprolactam	1.33	1.33		mg/Kg		99	36 - 150
Atrazine	1.33	1.42		mg/Kg		106	29 - 150
2,2'-oxybis[1-chloropropane]	3.33	2.58		mg/Kg		77	49 - 126
1,2,4,5-Tetrachlorobenzene	3.33	3.41		mg/Kg		102	60 - 120
2,3,4,6-Tetrachlorophenol	3.33	3.40		mg/Kg		102	54 - 120
3,3'-Dichlorobenzidine	3.33	2.36		mg/Kg		71	13 - 136
Bis(2-chloroethoxy)methane	3.33	2.94		mg/Kg		88	62 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	79		16 - 125
Phenol-d5 (Surr)	78		23 - 120
Terphenyl-d14 (Surr)	95		25 - 126
2,4,6-Tribromophenol (Surr)	101		10 - 123
2-Fluorophenol (Surr)	80		18 - 123
2-Fluorobiphenyl	89		22 - 122

**Lab Sample ID: LCSD 460-871330/3-A**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol	3.33	3.06		mg/Kg		92	63 - 120	4	30
2-Chlorophenol	3.33	2.96		mg/Kg		89	63 - 120	2	30
4-Methylphenol	3.33	3.13		mg/Kg		94	61 - 120	3	30
2-Nitrophenol	3.33	3.22		mg/Kg		97	64 - 120	3	30
2,4-Dimethylphenol	3.33	3.06		mg/Kg		92	67 - 120	4	30
2,4-Dichlorophenol	3.33	3.26		mg/Kg		98	66 - 120	3	30
2-Methylphenol	3.33	3.04		mg/Kg		91	63 - 120	3	30
4-Chloro-3-methylphenol	3.33	3.22		mg/Kg		97	66 - 120	5	30
2,4,6-Trichlorophenol	3.33	3.22		mg/Kg		97	58 - 120	1	30
2,4,5-Trichlorophenol	3.33	3.37		mg/Kg		101	59 - 120	2	30
2,4-Dinitrotoluene	3.33	3.72		mg/Kg		112	65 - 124	5	30
4-Nitrophenol	6.67	5.84		mg/Kg		88	52 - 123	9	30

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 460-871330/3-A**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD Limit
							Limits		
4,6-Dinitro-2-methylphenol	6.67	7.12		mg/Kg		107	50 - 136	6	30
N-Nitrosodimethylamine	3.33	2.69		mg/Kg		81	57 - 120	1	30
Pentachlorophenol	6.67	6.01		mg/Kg		90	37 - 126	6	30
Bis(2-chloroethyl)ether	3.33	2.97		mg/Kg		89	60 - 120	2	30
N-Nitrosodi-n-propylamine	3.33	2.85		mg/Kg		86	61 - 120	4	30
Hexachloroethane	3.33	3.00		mg/Kg		90	61 - 120	0	30
Nitrobenzene	3.33	3.02		mg/Kg		91	63 - 120	4	30
Isophorone	3.33	3.09		mg/Kg		93	67 - 120	3	30
Naphthalene	3.33	3.16		mg/Kg		95	63 - 120	1	30
4-Chloroaniline	3.33	2.49		mg/Kg		75	15 - 128	3	30
Hexachlorobutadiene	3.33	3.12		mg/Kg		94	62 - 120	0	30
2-Methylnaphthalene	3.33	2.86		mg/Kg		86	64 - 120	4	30
Hexachlorocyclopentadiene	3.33	2.87		mg/Kg		86	38 - 120	0	30
2-Chloronaphthalene	3.33	3.32		mg/Kg		100	60 - 120	0	30
2-Nitroaniline	3.33	2.85		mg/Kg		85	48 - 120	4	30
Dimethyl phthalate	3.33	3.57		mg/Kg		107	65 - 120	4	30
Acenaphthylene	3.33	3.16		mg/Kg		95	64 - 120	3	30
2,6-Dinitrotoluene	3.33	3.52		mg/Kg		106	67 - 121	1	30
3-Nitroaniline	3.33	3.22		mg/Kg		97	39 - 122	4	30
Acenaphthene	3.33	2.99		mg/Kg		90	49 - 120	2	30
Dibenzofuran	3.33	3.39		mg/Kg		102	61 - 120	1	30
2,4-Dinitrophenol	6.67	6.20		mg/Kg		93	36 - 129	5	30
Diethyl phthalate	3.33	3.45		mg/Kg		103	63 - 120	2	30
4-Chlorophenyl phenyl ether	3.33	3.40		mg/Kg		102	62 - 120	1	30
Fluorene	3.33	3.45		mg/Kg		104	60 - 120	3	30
4-Nitroaniline	3.33	3.37		mg/Kg		101	55 - 120	3	30
N-Nitrosodiphenylamine	3.33	3.32		mg/Kg		100	63 - 120	4	30
4-Bromophenyl phenyl ether	3.33	3.45		mg/Kg		103	67 - 120	5	30
Hexachlorobenzene	3.33	3.45		mg/Kg		103	66 - 120	4	30
Phenanthrene	3.33	3.31		mg/Kg		99	66 - 120	1	30
Anthracene	3.33	3.41		mg/Kg		102	67 - 120	2	30
Carbazole	3.33	3.48		mg/Kg		105	64 - 120	5	30
Di-n-butyl phthalate	3.33	3.62		mg/Kg		109	66 - 120	5	30
Fluoranthene	3.33	3.53		mg/Kg		106	61 - 120	6	30
Pyrene	3.33	3.63		mg/Kg		109	61 - 121	5	30
Benzidine	3.33	2.77		mg/Kg		83	10 - 137	6	30
Butyl benzyl phthalate	3.33	3.73		mg/Kg		112	62 - 127	4	30
Benzo[a]anthracene	3.33	3.41		mg/Kg		102	62 - 120	3	30
Chrysene	3.33	3.36		mg/Kg		101	63 - 120	4	30
Bis(2-ethylhexyl) phthalate	3.33	3.51		mg/Kg		105	59 - 125	5	30
Di-n-octyl phthalate	3.33	3.67		mg/Kg		110	65 - 133	6	30
Benzo[b]fluoranthene	3.33	3.43		mg/Kg		103	70 - 125	5	30
Benzo[k]fluoranthene	3.33	3.69		mg/Kg		111	67 - 122	5	30
Benzo[a]pyrene	3.33	3.33		mg/Kg		100	73 - 123	6	30
Indeno[1,2,3-cd]pyrene	3.33	4.07		mg/Kg		122	62 - 130	4	30
Dibenz(a,h)anthracene	3.33	3.89		mg/Kg		117	66 - 128	4	30
Benzo[g,h,i]perylene	3.33	3.66		mg/Kg		110	66 - 120	5	30
1,2-Diphenylhydrazine	3.33	3.23		mg/Kg		97	55 - 125	4	30
1,1'-Biphenyl	3.33	3.37		mg/Kg		101	59 - 120	0	30

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 460-871330/3-A**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetophenone	3.33	2.88		mg/Kg		87	61 - 120	2	30
Benzaldehyde	1.33	1.14		mg/Kg		85	34 - 150	2	30
Caprolactam	1.33	1.48		mg/Kg		111	36 - 150	11	30
Atrazine	1.33	1.52		mg/Kg		114	29 - 150	7	30
2,2'-oxybis[1-chloropropane]	3.33	2.60		mg/Kg		78	49 - 126	1	30
1,2,4,5-Tetrachlorobenzene	3.33	3.42		mg/Kg		103	60 - 120	0	30
2,3,4,6-Tetrachlorophenol	3.33	3.48		mg/Kg		104	54 - 120	2	30
3,3'-Dichlorobenzidine	3.33	2.51		mg/Kg		75	13 - 136	6	30
Bis(2-chloroethoxy)methane	3.33	3.04		mg/Kg		91	62 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5 (Surr)	82		16 - 125
Phenol-d5 (Surr)	81		23 - 120
Terphenyl-d14 (Surr)	101		25 - 126
2,4,6-Tribromophenol (Surr)	106		10 - 123
2-Fluorophenol (Surr)	81		18 - 123
2-Fluorobiphenyl	90		22 - 122

**Lab Sample ID: 460-267188-A-2-G MS**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	0.013	U	3.50	3.33		mg/Kg	☼	95	63 - 120
2-Chlorophenol	0.012	U	3.50	3.28		mg/Kg	☼	94	63 - 120
4-Methylphenol	0.022	U	3.50	3.21		mg/Kg	☼	92	61 - 120
2-Nitrophenol	0.035	U	3.50	3.50		mg/Kg	☼	100	64 - 120
2,4-Dimethylphenol	0.041	U	3.50	3.28		mg/Kg	☼	94	67 - 120
2,4-Dichlorophenol	0.022	U	3.50	3.56		mg/Kg	☼	102	66 - 120
2-Methylphenol	0.013	U	3.50	3.34		mg/Kg	☼	95	63 - 120
4-Chloro-3-methylphenol	0.019	U	3.50	3.40		mg/Kg	☼	97	66 - 120
2,4,6-Trichlorophenol	0.045	U	3.50	3.59		mg/Kg	☼	103	58 - 120
2,4,5-Trichlorophenol	0.035	U	3.50	3.68		mg/Kg	☼	105	59 - 120
2,4-Dinitrotoluene	0.037	U	3.50	3.80		mg/Kg	☼	109	65 - 124
4-Nitrophenol	0.057	U	7.00	5.83		mg/Kg	☼	83	52 - 123
4,6-Dinitro-2-methylphenol	0.14	U	7.00	7.43		mg/Kg	☼	106	50 - 136
N-Nitrosodimethylamine	0.032	U	3.50	2.95		mg/Kg	☼	84	57 - 120
Pentachlorophenol	0.071	U	7.00	6.06		mg/Kg	☼	87	37 - 126
Bis(2-chloroethyl)ether	0.012	U	3.50	3.30		mg/Kg	☼	94	60 - 120
N-Nitrosodi-n-propylamine	0.025	U	3.50	3.10		mg/Kg	☼	89	61 - 120
Hexachloroethane	0.012	U	3.50	3.32		mg/Kg	☼	95	61 - 120
Nitrobenzene	0.019	U	3.50	3.24		mg/Kg	☼	93	63 - 120
Isophorone	0.10	U	3.50	3.34		mg/Kg	☼	96	67 - 120
Naphthalene	0.0060	U	3.50	3.49		mg/Kg	☼	100	63 - 120
4-Chloroaniline	0.062	U	3.50	2.12		mg/Kg	☼	61	15 - 128
Hexachlorobutadiene	0.0074	U	3.50	3.47		mg/Kg	☼	99	62 - 120
2-Methylnaphthalene	0.0097	U	3.50	3.10		mg/Kg	☼	89	64 - 120
Hexachlorocyclopentadiene	0.031	U	3.50	3.32		mg/Kg	☼	95	38 - 120

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 460-267188-A-2-G MS**

**Matrix: Solid**

**Analysis Batch: 871381**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 871330**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Chloronaphthalene	0.016	U	3.50	3.75		mg/Kg	☼	107	60 - 120
2-Nitroaniline	0.026	U	3.50	3.00		mg/Kg	☼	86	48 - 120
Dimethyl phthalate	0.079	U	3.50	3.79		mg/Kg	☼	108	65 - 120
Acenaphthylene	0.0099	U	3.50	3.47		mg/Kg	☼	99	64 - 120
2,6-Dinitrotoluene	0.025	U	3.50	3.69		mg/Kg	☼	105	67 - 121
3-Nitroaniline	0.083	U	3.50	2.96		mg/Kg	☼	84	39 - 122
Acenaphthene	0.0099	U	3.50	3.31		mg/Kg	☼	95	49 - 120
Dibenzofuran	0.012	U	3.50	3.70		mg/Kg	☼	106	61 - 120
2,4-Dinitrophenol	0.17	U	7.00	6.07		mg/Kg	☼	87	36 - 129
Diethyl phthalate	0.011	U	3.50	3.53		mg/Kg	☼	101	63 - 120
4-Chlorophenyl phenyl ether	0.012	U	3.50	3.70		mg/Kg	☼	106	62 - 120
Fluorene	0.010	U	3.50	3.67		mg/Kg	☼	105	60 - 120
4-Nitroaniline	0.040	U	3.50	3.09		mg/Kg	☼	88	55 - 120
N-Nitrosodiphenylamine	0.029	U	3.50	3.60		mg/Kg	☼	103	63 - 120
4-Bromophenyl phenyl ether	0.014	U	3.50	3.77		mg/Kg	☼	108	67 - 120
Hexachlorobenzene	0.017	U	3.50	3.76		mg/Kg	☼	107	66 - 120
Phenanthrene	0.0061	U	3.50	3.56		mg/Kg	☼	102	66 - 120
Anthracene	0.011	U	3.50	3.63		mg/Kg	☼	104	67 - 120
Carbazole	0.013	U	3.50	3.59		mg/Kg	☼	103	64 - 120
Di-n-butyl phthalate	0.013	U	3.50	3.71		mg/Kg	☼	106	66 - 120
Fluoranthene	0.012	U	3.50	3.48		mg/Kg	☼	99	61 - 120
Pyrene	0.0086	U	3.50	4.07		mg/Kg	☼	116	61 - 121
Benzidine	0.073	U	3.50	2.31		mg/Kg	☼	66	10 - 137
Butyl benzyl phthalate	0.016	U	3.50	4.02		mg/Kg	☼	115	62 - 127
Benzo[a]anthracene	0.012	U	3.50	3.72		mg/Kg	☼	106	62 - 120
Chrysene	0.0059	U	3.50	3.58		mg/Kg	☼	102	63 - 120
Bis(2-ethylhexyl) phthalate	0.018	U	3.50	3.76		mg/Kg	☼	107	59 - 125
Di-n-octyl phthalate	0.018	U	3.50	3.93		mg/Kg	☼	112	65 - 133
Benzo[b]fluoranthene	0.0090	U	3.50	3.87		mg/Kg	☼	111	70 - 125
Benzo[k]fluoranthene	0.0068	U	3.50	3.75		mg/Kg	☼	107	67 - 122
Benzo[a]pyrene	0.0093	U	3.50	3.53		mg/Kg	☼	101	73 - 123
Indeno[1,2,3-cd]pyrene	0.014	U	3.50	4.37		mg/Kg	☼	125	62 - 130
Dibenz(a,h)anthracene	0.015	U	3.50	4.26		mg/Kg	☼	122	66 - 128
Benzo[g,h,i]perylene	0.010	U	3.50	4.00		mg/Kg	☼	114	66 - 120
1,2-Diphenylhydrazine	0.014	U	3.50	3.59		mg/Kg	☼	103	55 - 125
1,1'-Biphenyl	0.012	U	3.50	3.77		mg/Kg	☼	108	59 - 120
Acetophenone	0.017	U	3.50	3.11		mg/Kg	☼	89	61 - 120
Benzaldehyde	0.057	U	1.40	1.31		mg/Kg	☼	94	34 - 150
Caprolactam	0.054	U	1.40	1.44		mg/Kg	☼	103	36 - 150
Atrazine	0.020	U	1.40	1.62		mg/Kg	☼	116	29 - 150
2,2'-oxybis[1-chloropropane]	0.0063	U	3.50	2.91		mg/Kg	☼	83	49 - 126
1,2,4,5-Tetrachlorobenzene	0.011	U	3.50	3.87		mg/Kg	☼	111	60 - 120
2,3,4,6-Tetrachlorophenol	0.024	U	3.50	3.61		mg/Kg	☼	103	54 - 120
3,3'-Dichlorobenzidine	0.053	U	3.50	2.11		mg/Kg	☼	60	13 - 136
Bis(2-chloroethoxy)methane	0.027	U	3.50	3.38		mg/Kg	☼	97	62 - 120

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	86		16 - 125

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 460-267188-A-2-G MS**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Surrogate	MS %Recovery	MS Qualifier	Limits
Phenol-d5 (Surr)	85		23 - 120
Terphenyl-d14 (Surr)	105		25 - 126
2,4,6-Tribromophenol (Surr)	104		10 - 123
2-Fluorophenol (Surr)	88		18 - 123
2-Fluorobiphenyl	96		22 - 122

**Lab Sample ID: 460-267188-A-2-H MSD**  
**Matrix: Solid**  
**Analysis Batch: 871381**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 871330**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Phenol	0.013	U	3.51	3.29		mg/Kg	☼	94	63 - 120	1	30	
2-Chlorophenol	0.012	U	3.51	3.25		mg/Kg	☼	93	63 - 120	1	30	
4-Methylphenol	0.022	U	3.51	3.19		mg/Kg	☼	91	61 - 120	0	30	
2-Nitrophenol	0.035	U	3.51	3.45		mg/Kg	☼	98	64 - 120	2	30	
2,4-Dimethylphenol	0.041	U	3.51	3.25		mg/Kg	☼	93	67 - 120	1	30	
2,4-Dichlorophenol	0.022	U	3.51	3.50		mg/Kg	☼	100	66 - 120	2	30	
2-Methylphenol	0.013	U	3.51	3.26		mg/Kg	☼	93	63 - 120	2	30	
4-Chloro-3-methylphenol	0.019	U	3.51	3.33		mg/Kg	☼	95	66 - 120	2	30	
2,4,6-Trichlorophenol	0.045	U	3.51	3.59		mg/Kg	☼	102	58 - 120	0	30	
2,4,5-Trichlorophenol	0.035	U	3.51	3.74		mg/Kg	☼	107	59 - 120	2	30	
2,4-Dinitrotoluene	0.037	U	3.51	3.83		mg/Kg	☼	109	65 - 124	1	30	
4-Nitrophenol	0.057	U	7.01	6.15		mg/Kg	☼	88	52 - 123	5	30	
4,6-Dinitro-2-methylphenol	0.14	U	7.01	7.31		mg/Kg	☼	104	50 - 136	2	30	
N-Nitrosodimethylamine	0.032	U	3.51	2.88		mg/Kg	☼	82	57 - 120	2	30	
Pentachlorophenol	0.071	U	7.01	6.07		mg/Kg	☼	87	37 - 126	0	30	
Bis(2-chloroethyl)ether	0.012	U	3.51	3.21		mg/Kg	☼	92	60 - 120	3	30	
N-Nitrosodi-n-propylamine	0.025	U	3.51	3.06		mg/Kg	☼	87	61 - 120	1	30	
Hexachloroethane	0.012	U	3.51	3.30		mg/Kg	☼	94	61 - 120	0	30	
Nitrobenzene	0.019	U	3.51	3.21		mg/Kg	☼	91	63 - 120	1	30	
Isophorone	0.10	U	3.51	3.32		mg/Kg	☼	95	67 - 120	1	30	
Naphthalene	0.0060	U	3.51	3.43		mg/Kg	☼	98	63 - 120	2	30	
4-Chloroaniline	0.062	U	3.51	1.99		mg/Kg	☼	57	15 - 128	6	30	
Hexachlorobutadiene	0.0074	U	3.51	3.44		mg/Kg	☼	98	62 - 120	1	30	
2-Methylnaphthalene	0.0097	U	3.51	3.04		mg/Kg	☼	87	64 - 120	2	30	
Hexachlorocyclopentadiene	0.031	U	3.51	3.36		mg/Kg	☼	96	38 - 120	1	30	
2-Chloronaphthalene	0.016	U	3.51	3.81		mg/Kg	☼	109	60 - 120	1	30	
2-Nitroaniline	0.026	U	3.51	3.03		mg/Kg	☼	86	48 - 120	1	30	
Dimethyl phthalate	0.079	U	3.51	3.77		mg/Kg	☼	108	65 - 120	1	30	
Acenaphthylene	0.0099	U	3.51	3.51		mg/Kg	☼	100	64 - 120	1	30	
2,6-Dinitrotoluene	0.025	U	3.51	3.81		mg/Kg	☼	109	67 - 121	3	30	
3-Nitroaniline	0.083	U	3.51	2.95		mg/Kg	☼	84	39 - 122	0	30	
Acenaphthene	0.0099	U	3.51	3.33		mg/Kg	☼	95	49 - 120	1	30	
Dibenzofuran	0.012	U	3.51	3.71		mg/Kg	☼	106	61 - 120	0	30	
2,4-Dinitrophenol	0.17	U	7.01	6.37		mg/Kg	☼	91	36 - 129	5	30	
Diethyl phthalate	0.011	U	3.51	3.61		mg/Kg	☼	103	63 - 120	2	30	
4-Chlorophenyl phenyl ether	0.012	U	3.51	3.71		mg/Kg	☼	106	62 - 120	0	30	
Fluorene	0.010	U	3.51	3.67		mg/Kg	☼	105	60 - 120	0	30	

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 460-267188-A-2-H MSD**

**Client Sample ID: Matrix Spike Duplicate**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 871381**

**Prep Batch: 871330**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
4-Nitroaniline	0.040	U	3.51	3.10		mg/Kg	☼	88	55 - 120	0	30
N-Nitrosodiphenylamine	0.029	U	3.51	3.59		mg/Kg	☼	102	63 - 120	0	30
4-Bromophenyl phenyl ether	0.014	U	3.51	3.76		mg/Kg	☼	107	67 - 120	0	30
Hexachlorobenzene	0.017	U	3.51	3.69		mg/Kg	☼	105	66 - 120	2	30
Phenanthrene	0.0061	U	3.51	3.52		mg/Kg	☼	100	66 - 120	1	30
Anthracene	0.011	U	3.51	3.58		mg/Kg	☼	102	67 - 120	1	30
Carbazole	0.013	U	3.51	3.56		mg/Kg	☼	102	64 - 120	1	30
Di-n-butyl phthalate	0.013	U	3.51	3.66		mg/Kg	☼	104	66 - 120	1	30
Fluoranthene	0.012	U	3.51	3.45		mg/Kg	☼	98	61 - 120	1	30
Pyrene	0.0086	U	3.51	4.02		mg/Kg	☼	115	61 - 121	1	30
Benzidine	0.073	U	3.51	2.32		mg/Kg	☼	66	10 - 137	0	30
Butyl benzyl phthalate	0.016	U	3.51	4.00		mg/Kg	☼	114	62 - 127	0	30
Benzo[a]anthracene	0.012	U	3.51	3.65		mg/Kg	☼	104	62 - 120	2	30
Chrysene	0.0059	U	3.51	3.54		mg/Kg	☼	101	63 - 120	1	30
Bis(2-ethylhexyl) phthalate	0.018	U	3.51	3.79		mg/Kg	☼	108	59 - 125	1	30
Di-n-octyl phthalate	0.018	U	3.51	3.85		mg/Kg	☼	110	65 - 133	2	30
Benzo[b]fluoranthene	0.0090	U	3.51	3.70		mg/Kg	☼	106	70 - 125	4	30
Benzo[k]fluoranthene	0.0068	U	3.51	3.81		mg/Kg	☼	109	67 - 122	2	30
Benzo[a]pyrene	0.0093	U	3.51	3.49		mg/Kg	☼	100	73 - 123	1	30
Indeno[1,2,3-cd]pyrene	0.014	U	3.51	4.55		mg/Kg	☼	130	62 - 130	4	30
Dibenz(a,h)anthracene	0.015	U	3.51	4.23		mg/Kg	☼	121	66 - 128	1	30
Benzo[g,h,i]perylene	0.010	U	3.51	4.02		mg/Kg	☼	115	66 - 120	0	30
1,2-Diphenylhydrazine	0.014	U	3.51	3.58		mg/Kg	☼	102	55 - 125	0	30
1,1'-Biphenyl	0.012	U	3.51	3.81		mg/Kg	☼	109	59 - 120	1	30
Acetophenone	0.017	U	3.51	3.12		mg/Kg	☼	89	61 - 120	0	30
Benzaldehyde	0.057	U	1.40	1.31		mg/Kg	☼	93	34 - 150	0	30
Caprolactam	0.054	U	1.40	1.44		mg/Kg	☼	103	36 - 150	0	30
Atrazine	0.020	U	1.40	1.61		mg/Kg	☼	115	29 - 150	1	30
2,2'-oxybis[1-chloropropane]	0.0063	U	3.51	2.86		mg/Kg	☼	82	49 - 126	2	30
1,2,4,5-Tetrachlorobenzene	0.011	U	3.51	3.90		mg/Kg	☼	111	60 - 120	1	30
2,3,4,6-Tetrachlorophenol	0.024	U	3.51	3.71		mg/Kg	☼	106	54 - 120	3	30
3,3'-Dichlorobenzidine	0.053	U	3.51	2.08		mg/Kg	☼	59	13 - 136	2	30
Bis(2-chloroethoxy)methane	0.027	U	3.51	3.30		mg/Kg	☼	94	62 - 120	2	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	84		16 - 125
Phenol-d5 (Surr)	84		23 - 120
Terphenyl-d14 (Surr)	107		25 - 126
2,4,6-Tribromophenol (Surr)	104		10 - 123
2-Fluorophenol (Surr)	88		18 - 123
2-Fluorobiphenyl	96		22 - 122

**Lab Sample ID: MB 460-871709/1-A**

**Client Sample ID: Method Blank**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 871814**

**Prep Batch: 871709**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/13/22 09:59	10/13/22 19:57	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 460-871709/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871814**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871709**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 09:59	10/13/22 19:57	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 09:59	10/13/22 19:57	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 09:59	10/13/22 19:57	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 09:59	10/13/22 19:57	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/13/22 09:59	10/13/22 19:57	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/13/22 09:59	10/13/22 19:57	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/13/22 09:59	10/13/22 19:57	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/13/22 09:59	10/13/22 19:57	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/13/22 09:59	10/13/22 19:57	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/13/22 09:59	10/13/22 19:57	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/13/22 09:59	10/13/22 19:57	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	82		52 - 137	10/13/22 09:59	10/13/22 19:57	1
Phenol-d5 (Surr)	24		10 - 56	10/13/22 09:59	10/13/22 19:57	1
Terphenyl-d14 (Surr)	85		22 - 150	10/13/22 09:59	10/13/22 19:57	1
2,4,6-Tribromophenol (Surr)	103		37 - 150	10/13/22 09:59	10/13/22 19:57	1
2-Fluorophenol (Surr)	39		19 - 80	10/13/22 09:59	10/13/22 19:57	1
2-Fluorobiphenyl	75		46 - 139	10/13/22 09:59	10/13/22 19:57	1

**Lab Sample ID: LCS 460-871709/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871814**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871709**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,4-Dichlorobenzene	0.0800	0.0322		mg/L		40	35 - 120
2-Methylphenol	0.0800	0.0498		mg/L		62	44 - 120
2,4,6-Trichlorophenol	0.0800	0.0823		mg/L		103	61 - 120
3 & 4 Methylphenol	0.0800	0.0442		mg/L		55	35 - 120
2,4,5-Trichlorophenol	0.0800	0.0836		mg/L		105	58 - 120
2,4-Dinitrotoluene	0.0800	0.0940		mg/L		117	68 - 134
Pentachlorophenol	0.160	0.159		mg/L		100	24 - 131
Pyridine	0.160	0.0881		mg/L		55	10 - 120
Hexachloroethane	0.0800	0.0319		mg/L		40	26 - 120
Nitrobenzene	0.0800	0.0657		mg/L		82	64 - 120
Hexachlorobutadiene	0.0800	0.0352		mg/L		44	27 - 127
Hexachlorobenzene	0.0800	0.0912		mg/L		114	61 - 128

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	86		52 - 137
Phenol-d5 (Surr)	26		10 - 56
Terphenyl-d14 (Surr)	81		22 - 150
2,4,6-Tribromophenol (Surr)	114		37 - 150
2-Fluorophenol (Surr)	41		19 - 80
2-Fluorobiphenyl	75		46 - 139

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 460-871709/3-A**

**Matrix: Solid**

**Analysis Batch: 871814**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 871709**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
1,4-Dichlorobenzene	0.0800	0.0329		mg/L		41	35 - 120	2	30	
2-Methylphenol	0.0800	0.0501		mg/L		63	44 - 120	1	30	
2,4,6-Trichlorophenol	0.0800	0.0817		mg/L		102	61 - 120	1	30	
3 & 4 Methylphenol	0.0800	0.0450		mg/L		56	35 - 120	2	30	
2,4,5-Trichlorophenol	0.0800	0.0797		mg/L		100	58 - 120	5	30	
2,4-Dinitrotoluene	0.0800	0.0909		mg/L		114	68 - 134	3	30	
Pentachlorophenol	0.160	0.167		mg/L		105	24 - 131	5	30	
Pyridine	0.160	0.0885		mg/L		55	10 - 120	0	30	
Hexachloroethane	0.0800	0.0297		mg/L		37	26 - 120	7	30	
Nitrobenzene	0.0800	0.0670		mg/L		84	64 - 120	2	30	
Hexachlorobutadiene	0.0800	0.0362		mg/L		45	27 - 127	3	30	
Hexachlorobenzene	0.0800	0.0907		mg/L		113	61 - 128	1	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	85		52 - 137
Phenol-d5 (Surr)	26		10 - 56
Terphenyl-d14 (Surr)	83		22 - 150
2,4,6-Tribromophenol (Surr)	117		37 - 150
2-Fluorophenol (Surr)	41		19 - 80
2-Fluorobiphenyl	73		46 - 139

**Lab Sample ID: LB 460-871543/1-D**

**Matrix: Solid**

**Analysis Batch: 871814**

**Client Sample ID: Method Blank**

**Prep Type: TCLP**

**Prep Batch: 871709**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/13/22 10:00	10/13/22 21:12	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 21:12	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 21:12	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/13/22 10:00	10/13/22 21:12	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/13/22 10:00	10/13/22 21:12	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/13/22 10:00	10/13/22 21:12	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/13/22 10:00	10/13/22 21:12	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/13/22 10:00	10/13/22 21:12	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/13/22 10:00	10/13/22 21:12	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/13/22 10:00	10/13/22 21:12	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/13/22 10:00	10/13/22 21:12	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/13/22 10:00	10/13/22 21:12	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	75		52 - 137	10/13/22 10:00	10/13/22 21:12	1
Phenol-d5 (Surr)	22		10 - 56	10/13/22 10:00	10/13/22 21:12	1
Terphenyl-d14 (Surr)	82		22 - 150	10/13/22 10:00	10/13/22 21:12	1
2,4,6-Tribromophenol (Surr)	89		37 - 150	10/13/22 10:00	10/13/22 21:12	1
2-Fluorophenol (Surr)	35		19 - 80	10/13/22 10:00	10/13/22 21:12	1
2-Fluorobiphenyl	64		46 - 139	10/13/22 10:00	10/13/22 21:12	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-871329/1-A

Matrix: Solid

Analysis Batch: 871408

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 871329

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Chlordane (technical)	0.016	U	0.067	0.016	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Chlordane (technical)	0.016	U	0.067	0.016	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		10/11/22 16:56	10/12/22 14:16	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		10/11/22 16:56	10/12/22 14:16	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	124		43 - 150	10/11/22 16:56	10/12/22 14:16	1
DCB Decachlorobiphenyl	146		43 - 150	10/11/22 16:56	10/12/22 14:16	1
Tetrachloro-m-xylene	122		26 - 137	10/11/22 16:56	10/12/22 14:16	1
Tetrachloro-m-xylene	121		26 - 137	10/11/22 16:56	10/12/22 14:16	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 460-871329/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871408**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871329**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.121		mg/Kg		91	64 - 132
4,4'-DDD	0.133	0.126		mg/Kg		94	64 - 132
4,4'-DDE	0.133	0.132		mg/Kg		99	71 - 137
4,4'-DDE	0.133	0.134		mg/Kg		101	71 - 137
4,4'-DDT	0.133	0.151		mg/Kg		113	55 - 138
4,4'-DDT	0.133	0.146		mg/Kg		109	55 - 138
Aldrin	0.133	0.143		mg/Kg		107	67 - 130
Aldrin	0.133	0.148		mg/Kg		111	67 - 130
alpha-BHC	0.133	0.139		mg/Kg		104	72 - 132
alpha-BHC	0.133	0.146		mg/Kg		110	72 - 132
beta-BHC	0.133	0.131		mg/Kg		98	71 - 137
beta-BHC	0.133	0.140		mg/Kg		105	71 - 137
delta-BHC	0.133	0.131		mg/Kg		98	61 - 143
delta-BHC	0.133	0.137		mg/Kg		103	61 - 143
Dieldrin	0.133	0.134		mg/Kg		100	66 - 135
Dieldrin	0.133	0.140		mg/Kg		105	66 - 135
Endosulfan I	0.133	0.133		mg/Kg		100	64 - 135
Endosulfan I	0.133	0.139		mg/Kg		104	64 - 135
Endosulfan II	0.133	0.138		mg/Kg		103	64 - 130
Endosulfan II	0.133	0.134		mg/Kg		100	64 - 130
Endosulfan sulfate	0.133	0.112		mg/Kg		84	61 - 134
Endosulfan sulfate	0.133	0.110		mg/Kg		83	61 - 134
Endrin	0.133	0.118		mg/Kg		89	63 - 136
Endrin	0.133	0.124		mg/Kg		93	63 - 136
Endrin aldehyde	0.133	0.129		mg/Kg		96	60 - 132
Endrin aldehyde	0.133	0.131		mg/Kg		98	60 - 132
Endrin ketone	0.133	0.134		mg/Kg		101	48 - 150
Endrin ketone	0.133	0.140		mg/Kg		105	48 - 150
gamma-BHC (Lindane)	0.133	0.137		mg/Kg		103	70 - 134
gamma-BHC (Lindane)	0.133	0.147		mg/Kg		110	70 - 134
Heptachlor	0.133	0.135		mg/Kg		101	62 - 134
Heptachlor	0.133	0.142		mg/Kg		107	62 - 134
Heptachlor epoxide	0.133	0.132		mg/Kg		99	65 - 127
Heptachlor epoxide	0.133	0.140		mg/Kg		105	65 - 127
Methoxychlor	0.133	0.140		mg/Kg		105	49 - 128
Methoxychlor	0.133	0.133		mg/Kg		100	49 - 128
		<b>LCS</b>	<b>LCS</b>				
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>				<b>Limits</b>
<i>DCB Decachlorobiphenyl</i>		101					43 - 150
<i>DCB Decachlorobiphenyl</i>		123					43 - 150
<i>Tetrachloro-m-xylene</i>		97					26 - 137
<i>Tetrachloro-m-xylene</i>		92					26 - 137

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCSD 460-871329/3-A**

**Matrix: Solid**

**Analysis Batch: 871408**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 871329**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
4,4'-DDD	0.133	0.130		mg/Kg		98	64 - 132	7	30	
4,4'-DDD	0.133	0.137		mg/Kg		103	64 - 132	9	30	
4,4'-DDE	0.133	0.141		mg/Kg		106	71 - 137	7	30	
4,4'-DDE	0.133	0.143		mg/Kg		107	71 - 137	6	30	
4,4'-DDT	0.133	0.163		mg/Kg		122	55 - 138	8	30	
4,4'-DDT	0.133	0.155		mg/Kg		116	55 - 138	6	30	
Aldrin	0.133	0.151		mg/Kg		113	67 - 130	6	30	
Aldrin	0.133	0.156		mg/Kg		117	67 - 130	5	30	
alpha-BHC	0.133	0.147		mg/Kg		110	72 - 132	6	30	
alpha-BHC	0.133	0.154		mg/Kg		116	72 - 132	5	30	
beta-BHC	0.133	0.138		mg/Kg		104	71 - 137	5	30	
beta-BHC	0.133	0.148		mg/Kg		111	71 - 137	5	30	
delta-BHC	0.133	0.138		mg/Kg		104	61 - 143	6	30	
delta-BHC	0.133	0.145		mg/Kg		108	61 - 143	6	30	
Dieldrin	0.133	0.143		mg/Kg		107	66 - 135	6	30	
Dieldrin	0.133	0.148		mg/Kg		111	66 - 135	5	30	
Endosulfan I	0.133	0.141		mg/Kg		106	64 - 135	6	30	
Endosulfan I	0.133	0.146		mg/Kg		110	64 - 135	5	30	
Endosulfan II	0.133	0.147		mg/Kg		111	64 - 130	7	30	
Endosulfan II	0.133	0.143		mg/Kg		107	64 - 130	7	30	
Endosulfan sulfate	0.133	0.122		mg/Kg		91	61 - 134	9	30	
Endosulfan sulfate	0.133	0.119		mg/Kg		89	61 - 134	8	30	
Endrin	0.133	0.128		mg/Kg		96	63 - 136	8	30	
Endrin	0.133	0.133		mg/Kg		100	63 - 136	7	30	
Endrin aldehyde	0.133	0.137		mg/Kg		103	60 - 132	6	30	
Endrin aldehyde	0.133	0.138		mg/Kg		103	60 - 132	5	30	
Endrin ketone	0.133	0.143		mg/Kg		107	48 - 150	6	30	
Endrin ketone	0.133	0.147		mg/Kg		110	48 - 150	5	30	
gamma-BHC (Lindane)	0.133	0.146		mg/Kg		109	70 - 134	6	30	
gamma-BHC (Lindane)	0.133	0.155		mg/Kg		116	70 - 134	5	30	
Heptachlor	0.133	0.143		mg/Kg		107	62 - 134	6	30	
Heptachlor	0.133	0.150		mg/Kg		112	62 - 134	5	30	
Heptachlor epoxide	0.133	0.140		mg/Kg		105	65 - 127	6	30	
Heptachlor epoxide	0.133	0.147		mg/Kg		111	65 - 127	5	30	
Methoxychlor	0.133	0.151		mg/Kg		113	49 - 128	8	30	
Methoxychlor	0.133	0.139		mg/Kg		105	49 - 128	5	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	100		43 - 150
DCB Decachlorobiphenyl	116		43 - 150
Tetrachloro-m-xylene	93		26 - 137
Tetrachloro-m-xylene	88		26 - 137

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 460-267188-A-2-D MS**

**Matrix: Solid**

**Analysis Batch: 871408**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 871329**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0012	U	0.140	0.120		mg/Kg	✱	86	64 - 132
4,4'-DDD	0.0012	U	0.140	0.123		mg/Kg	✱	88	64 - 132
4,4'-DDE	0.00083	U	0.140	0.129		mg/Kg	✱	93	71 - 137
4,4'-DDE	0.00083	U	0.140	0.128		mg/Kg	✱	92	71 - 137
4,4'-DDT	0.0013	U	0.140	0.151		mg/Kg	✱	108	55 - 138
4,4'-DDT	0.0013	U	0.140	0.143		mg/Kg	✱	102	55 - 138
Aldrin	0.0011	U	0.140	0.137		mg/Kg	✱	98	67 - 130
Aldrin	0.0011	U	0.140	0.138		mg/Kg	✱	99	67 - 130
alpha-BHC	0.00071	U	0.140	0.132		mg/Kg	✱	94	72 - 132
alpha-BHC	0.00071	U	0.140	0.136		mg/Kg	✱	97	72 - 132
beta-BHC	0.00078	U	0.140	0.124		mg/Kg	✱	89	71 - 137
beta-BHC	0.00078	U	0.140	0.131		mg/Kg	✱	94	71 - 137
delta-BHC	0.00043	U	0.140	0.125		mg/Kg	✱	90	61 - 143
delta-BHC	0.00043	U	0.140	0.129		mg/Kg	✱	92	61 - 143
Dieldrin	0.00091	U	0.140	0.131		mg/Kg	✱	94	66 - 135
Dieldrin	0.00091	U	0.140	0.133		mg/Kg	✱	95	66 - 135
Endosulfan I	0.0011	U	0.140	0.129		mg/Kg	✱	92	64 - 135
Endosulfan I	0.0011	U	0.140	0.131		mg/Kg	✱	94	64 - 135
Endosulfan II	0.0018	U	0.140	0.134		mg/Kg	✱	96	64 - 130
Endosulfan II	0.0018	U	0.140	0.128		mg/Kg	✱	92	64 - 130
Endosulfan sulfate	0.00088	U	0.140	0.112		mg/Kg	✱	80	61 - 134
Endosulfan sulfate	0.00088	U	0.140	0.108		mg/Kg	✱	78	61 - 134
Endrin	0.0010	U	0.140	0.118		mg/Kg	✱	84	63 - 136
Endrin	0.0010	U	0.140	0.121		mg/Kg	✱	87	63 - 136
Endrin aldehyde	0.0017	U	0.140	0.126		mg/Kg	✱	90	60 - 132
Endrin aldehyde	0.0017	U	0.140	0.125		mg/Kg	✱	90	60 - 132
Endrin ketone	0.0014	U	0.140	0.132		mg/Kg	✱	94	48 - 150
Endrin ketone	0.0014	U	0.140	0.134		mg/Kg	✱	96	48 - 150
gamma-BHC (Lindane)	0.00065	U	0.140	0.130		mg/Kg	✱	93	70 - 134
gamma-BHC (Lindane)	0.00065	U	0.140	0.137		mg/Kg	✱	98	70 - 134
Heptachlor	0.00083	U	0.140	0.129		mg/Kg	✱	92	62 - 134
Heptachlor	0.00083	U	0.140	0.133		mg/Kg	✱	95	62 - 134
Heptachlor epoxide	0.0010	U	0.140	0.128		mg/Kg	✱	91	65 - 127
Heptachlor epoxide	0.0010	U	0.140	0.132		mg/Kg	✱	94	65 - 127
Methoxychlor	0.0016	U	0.140	0.145		mg/Kg	✱	103	49 - 128
Methoxychlor	0.0016	U	0.140	0.131		mg/Kg	✱	94	49 - 128
	<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>							<b>Limits</b>
<i>DCB Decachlorobiphenyl</i>	89								43 - 150
<i>DCB Decachlorobiphenyl</i>	98								43 - 150
<i>Tetrachloro-m-xylene</i>	82								26 - 137
<i>Tetrachloro-m-xylene</i>	76								26 - 137

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 460-267188-A-2-E MSD**

**Matrix: Solid**

**Analysis Batch: 871408**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 871329**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
4,4'-DDD	0.0012	U	0.140	0.120		mg/Kg	*	86	64 - 132	0	30
4,4'-DDD	0.0012	U	0.140	0.125		mg/Kg	*	89	64 - 132	2	30
4,4'-DDE	0.00083	U	0.140	0.128		mg/Kg	*	92	71 - 137	1	30
4,4'-DDE	0.00083	U	0.140	0.129		mg/Kg	*	92	71 - 137	0	30
4,4'-DDT	0.0013	U	0.140	0.151		mg/Kg	*	108	55 - 138	0	30
4,4'-DDT	0.0013	U	0.140	0.143		mg/Kg	*	102	55 - 138	0	30
Aldrin	0.0011	U	0.140	0.137		mg/Kg	*	98	67 - 130	0	30
Aldrin	0.0011	U	0.140	0.138		mg/Kg	*	98	67 - 130	1	30
alpha-BHC	0.00071	U	0.140	0.132		mg/Kg	*	94	72 - 132	0	30
alpha-BHC	0.00071	U	0.140	0.135		mg/Kg	*	97	72 - 132	1	30
beta-BHC	0.00078	U	0.140	0.125		mg/Kg	*	89	71 - 137	0	30
beta-BHC	0.00078	U	0.140	0.131		mg/Kg	*	94	71 - 137	0	30
delta-BHC	0.00043	U	0.140	0.126		mg/Kg	*	90	61 - 143	1	30
delta-BHC	0.00043	U	0.140	0.128		mg/Kg	*	92	61 - 143	0	30
Dieldrin	0.00091	U	0.140	0.130		mg/Kg	*	93	66 - 135	1	30
Dieldrin	0.00091	U	0.140	0.132		mg/Kg	*	94	66 - 135	0	30
Endosulfan I	0.0011	U	0.140	0.129		mg/Kg	*	92	64 - 135	0	30
Endosulfan I	0.0011	U	0.140	0.131		mg/Kg	*	93	64 - 135	0	30
Endosulfan II	0.0018	U	0.140	0.133		mg/Kg	*	95	64 - 130	1	30
Endosulfan II	0.0018	U	0.140	0.129		mg/Kg	*	92	64 - 130	1	30
Endosulfan sulfate	0.00088	U	0.140	0.112		mg/Kg	*	80	61 - 134	1	30
Endosulfan sulfate	0.00088	U	0.140	0.107		mg/Kg	*	77	61 - 134	1	30
Endrin	0.0010	U	0.140	0.118		mg/Kg	*	84	63 - 136	0	30
Endrin	0.0010	U	0.140	0.121		mg/Kg	*	87	63 - 136	0	30
Endrin aldehyde	0.0017	U	0.140	0.125		mg/Kg	*	89	60 - 132	1	30
Endrin aldehyde	0.0017	U	0.140	0.124		mg/Kg	*	89	60 - 132	1	30
Endrin ketone	0.0014	U	0.140	0.131		mg/Kg	*	94	48 - 150	0	30
Endrin ketone	0.0014	U	0.140	0.133		mg/Kg	*	95	48 - 150	1	30
gamma-BHC (Lindane)	0.00065	U	0.140	0.130		mg/Kg	*	93	70 - 134	0	30
gamma-BHC (Lindane)	0.00065	U	0.140	0.136		mg/Kg	*	98	70 - 134	0	30
Heptachlor	0.00083	U	0.140	0.130		mg/Kg	*	93	62 - 134	0	30
Heptachlor	0.00083	U	0.140	0.133		mg/Kg	*	95	62 - 134	0	30
Heptachlor epoxide	0.0010	U	0.140	0.128		mg/Kg	*	91	65 - 127	0	30
Heptachlor epoxide	0.0010	U	0.140	0.131		mg/Kg	*	94	65 - 127	0	30
Methoxychlor	0.0016	U	0.140	0.145		mg/Kg	*	103	49 - 128	0	30
Methoxychlor	0.0016	U	0.140	0.133		mg/Kg	*	95	49 - 128	1	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	91		43 - 150
DCB Decachlorobiphenyl	106		43 - 150
Tetrachloro-m-xylene	84		26 - 137
Tetrachloro-m-xylene	77		26 - 137

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 460-871467/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871626**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871467**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/12/22 10:24	10/13/22 04:59	1
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/12/22 10:24	10/13/22 04:59	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/12/22 10:24	10/13/22 04:59	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/12/22 10:24	10/13/22 04:59	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/12/22 10:24	10/13/22 04:59	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/12/22 10:24	10/13/22 04:59	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/12/22 10:24	10/13/22 04:59	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/12/22 10:24	10/13/22 04:59	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/12/22 10:24	10/13/22 04:59	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/12/22 10:24	10/13/22 04:59	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/12/22 10:24	10/13/22 04:59	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/12/22 10:24	10/13/22 04:59	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/12/22 10:24	10/13/22 04:59	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/12/22 10:24	10/13/22 04:59	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	110		15 - 121	10/12/22 10:24	10/13/22 04:59	1
DCB Decachlorobiphenyl	108		15 - 121	10/12/22 10:24	10/13/22 04:59	1
Tetrachloro-m-xylene	92		17 - 120	10/12/22 10:24	10/13/22 04:59	1
Tetrachloro-m-xylene	97		17 - 120	10/12/22 10:24	10/13/22 04:59	1

**Lab Sample ID: LCS 460-871467/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871626**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871467**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Endrin	0.000800	0.000678		mg/L		85	57 - 135
Endrin	0.000800	0.000697		mg/L		87	57 - 135
gamma-BHC (Lindane)	0.000800	0.000735		mg/L		92	65 - 123
gamma-BHC (Lindane)	0.000800	0.000764		mg/L		96	65 - 123
Heptachlor	0.000800	0.000737		mg/L		92	59 - 120
Heptachlor	0.000800	0.000750		mg/L		94	59 - 120
Heptachlor epoxide	0.000800	0.000710		mg/L		89	59 - 128
Heptachlor epoxide	0.000800	0.000732		mg/L		91	59 - 128
Methoxychlor	0.000800	0.000828		mg/L		104	35 - 138
Methoxychlor	0.000800	0.000749		mg/L		94	35 - 138

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	73		15 - 121
DCB Decachlorobiphenyl	77		15 - 121
Tetrachloro-m-xylene	70		17 - 120
Tetrachloro-m-xylene	71		17 - 120



# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCSD 460-871467/3-A**  
**Matrix: Solid**  
**Analysis Batch: 871626**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 871467**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin	0.000800	0.000682		mg/L		85	57 - 135	1	30
Endrin	0.000800	0.000729		mg/L		91	57 - 135	4	30
gamma-BHC (Lindane)	0.000800	0.000741		mg/L		93	65 - 123	1	30
gamma-BHC (Lindane)	0.000800	0.000788		mg/L		98	65 - 123	3	30
Heptachlor	0.000800	0.000749		mg/L		94	59 - 120	2	30
Heptachlor	0.000800	0.000773		mg/L		97	59 - 120	3	30
Heptachlor epoxide	0.000800	0.000721		mg/L		90	59 - 128	1	30
Heptachlor epoxide	0.000800	0.000758		mg/L		95	59 - 128	4	30
Methoxychlor	0.000800	0.000837		mg/L		105	35 - 138	1	30
Methoxychlor	0.000800	0.000776		mg/L		97	35 - 138	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
DCB Decachlorobiphenyl	73		15 - 121
DCB Decachlorobiphenyl	84		15 - 121
Tetrachloro-m-xylene	69		17 - 120
Tetrachloro-m-xylene	71		17 - 120

**Lab Sample ID: LB 460-871543/1-B**  
**Matrix: Solid**  
**Analysis Batch: 871865**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 871467**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/13/22 09:57	10/14/22 04:01	1
Endrin	0.000040	U	0.00050	0.000040	mg/L		10/13/22 09:57	10/14/22 04:01	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/13/22 09:57	10/14/22 04:01	1
Heptachlor	0.000030	U	0.00050	0.000030	mg/L		10/13/22 09:57	10/14/22 04:01	1
Heptachlor epoxide	0.000050	U	0.00050	0.000050	mg/L		10/13/22 09:57	10/14/22 04:01	1
Methoxychlor	0.000040	U	0.00050	0.000040	mg/L		10/13/22 09:57	10/14/22 04:01	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/13/22 09:57	10/14/22 04:01	1

Surrogate	LB %Recovery	LB Qualifier	LB Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		15 - 121	10/13/22 09:57	10/14/22 04:01	1
DCB Decachlorobiphenyl	102		15 - 121	10/13/22 09:57	10/14/22 04:01	1
Tetrachloro-m-xylene	79		17 - 120	10/13/22 09:57	10/14/22 04:01	1
Tetrachloro-m-xylene	83		17 - 120	10/13/22 09:57	10/14/22 04:01	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 460-871323/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871417**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871323**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1016	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1221	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1221	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1232	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 460-871323/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871417**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871323**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1232	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1242	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1242	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1248	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1248	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1254	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1254	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1260	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1260	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor-1262	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor-1262	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1268	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Aroclor 1268	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Polychlorinated biphenyls, Total	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1
Polychlorinated biphenyls, Total	0.018	U	0.067	0.018	mg/Kg		10/11/22 16:33	10/12/22 12:00	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	93		10 - 150	10/11/22 16:33	10/12/22 12:00	1
DCB Decachlorobiphenyl	100		10 - 150	10/11/22 16:33	10/12/22 12:00	1
Tetrachloro-m-xylene	97		42 - 150	10/11/22 16:33	10/12/22 12:00	1
Tetrachloro-m-xylene	99		42 - 150	10/11/22 16:33	10/12/22 12:00	1

**Lab Sample ID: LCS 460-871323/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871417**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871323**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aroclor 1016	0.333	0.394		mg/Kg		118	65 - 133
Aroclor 1016	0.333	0.387		mg/Kg		116	65 - 133
Aroclor 1260	0.333	0.415		mg/Kg		124	67 - 150
Aroclor 1260	0.333	0.406		mg/Kg		122	67 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	115		10 - 150
DCB Decachlorobiphenyl	124		10 - 150
Tetrachloro-m-xylene	117		42 - 150
Tetrachloro-m-xylene	122		42 - 150

**Lab Sample ID: 460-267188-A-2-A MS**  
**Matrix: Solid**  
**Analysis Batch: 871417**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 871323**

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Aroclor 1016	0.019	U	0.351	0.382		mg/Kg	☼	109	65 - 133
Aroclor 1016	0.019	U	0.351	0.349		mg/Kg	☼	100	65 - 133
Aroclor 1260	0.019	U	0.351	0.391		mg/Kg	☼	111	67 - 150
Aroclor 1260	0.019	U	0.351	0.369		mg/Kg	☼	105	67 - 150

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: 460-267188-A-2-A MS**  
**Matrix: Solid**  
**Analysis Batch: 871417**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 871323**

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	108		10 - 150
DCB Decachlorobiphenyl	113		10 - 150
Tetrachloro-m-xylene	110		42 - 150
Tetrachloro-m-xylene	110		42 - 150

**Lab Sample ID: 460-267188-A-2-B MSD**  
**Matrix: Solid**  
**Analysis Batch: 871417**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 871323**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.019	U	0.350	0.314		mg/Kg	⊛	90	65 - 133	19	30
Aroclor 1016	0.019	U	0.350	0.301		mg/Kg	⊛	86	65 - 133	15	30
Aroclor 1260	0.019	U	0.350	0.317		mg/Kg	⊛	91	67 - 150	21	30
Aroclor 1260	0.019	U	0.350	0.309		mg/Kg	⊛	88	67 - 150	18	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	94		10 - 150
DCB Decachlorobiphenyl	99		10 - 150
Tetrachloro-m-xylene	96		42 - 150
Tetrachloro-m-xylene	96		42 - 150

## Method: 8151A - Herbicides (GC)

**Lab Sample ID: MB 460-871479/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871479**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.00018	U	0.0030	0.00018	mg/L		10/12/22 10:40	10/13/22 07:19	1
2,4-D	0.00018	U	0.0030	0.00018	mg/L		10/12/22 10:40	10/13/22 07:19	1
Silvex (2,4,5-TP)	0.00014	U	0.0030	0.00014	mg/L		10/12/22 10:40	10/13/22 07:19	1
Silvex (2,4,5-TP)	0.00014	U	0.0030	0.00014	mg/L		10/12/22 10:40	10/13/22 07:19	1
2,4,5-T	0.000072	U	0.0030	0.000072	mg/L		10/12/22 10:40	10/13/22 07:19	1
2,4,5-T	0.000072	U	0.0030	0.000072	mg/L		10/12/22 10:40	10/13/22 07:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	15		10 - 150	10/12/22 10:40	10/13/22 07:19	1
2,4-Dichlorophenylacetic acid	15		10 - 150	10/12/22 10:40	10/13/22 07:19	1

**Lab Sample ID: LCS 460-871479/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871479**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	0.00800	0.00588		mg/L		73	51 - 150
2,4-D	0.00800	0.00609		mg/L		76	51 - 150
Silvex (2,4,5-TP)	0.00200	0.00136	J	mg/L		68	50 - 150
Silvex (2,4,5-TP)	0.00200	0.00128	J	mg/L		64	50 - 150

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8151A - Herbicides (GC) (Continued)

**Lab Sample ID: LCS 460-871479/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871479**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
2,4,5-T	0.00200	0.00151	J	mg/L		76	45 - 150	
2,4,5-T	0.00200	0.00175	J	mg/L		87	45 - 150	
Surrogate		LCS %Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid		46		10 - 150				
2,4-Dichlorophenylacetic acid		48		10 - 150				

**Lab Sample ID: LCSD 460-871479/3-A**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 871479**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit
2,4-D	0.00800	0.00594		mg/L		74	51 - 150	1	30	
2,4-D	0.00800	0.00613		mg/L		77	51 - 150	1	30	
Silvex (2,4,5-TP)	0.00200	0.00136	J	mg/L		68	50 - 150	0	30	
Silvex (2,4,5-TP)	0.00200	0.00127	J	mg/L		64	50 - 150	1	30	
2,4,5-T	0.00200	0.00153	J	mg/L		77	45 - 150	1	30	
2,4,5-T	0.00200	0.00175	J	mg/L		88	45 - 150	0	30	
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits						
2,4-Dichlorophenylacetic acid		47		10 - 150						
2,4-Dichlorophenylacetic acid		48		10 - 150						

**Lab Sample ID: MB 460-871480/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871939**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871480**

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
2,4-D	0.012	U	0.033	0.012	mg/Kg		10/12/22 10:43	10/14/22 11:31		1	
2,4-D	0.012	U	0.033	0.012	mg/Kg		10/12/22 10:43	10/14/22 11:31		1	
Silvex (2,4,5-TP)	0.0035	U	0.033	0.0035	mg/Kg		10/12/22 10:43	10/14/22 11:31		1	
Silvex (2,4,5-TP)	0.0035	U	0.033	0.0035	mg/Kg		10/12/22 10:43	10/14/22 11:31		1	
2,4,5-T	0.0071	U	0.033	0.0071	mg/Kg		10/12/22 10:43	10/14/22 11:31		1	
2,4,5-T	0.0071	U	0.033	0.0071	mg/Kg		10/12/22 10:43	10/14/22 11:31		1	
Surrogate		MB %Recovery	MB Qualifier	Limits	Prepared		Analyzed		Dil Fac		
2,4-Dichlorophenylacetic acid		35		27 - 150	10/12/22 10:43		10/14/22 11:31		1		
2,4-Dichlorophenylacetic acid		35		27 - 150	10/12/22 10:43		10/14/22 11:31		1		

**Lab Sample ID: LCS 460-871480/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871480**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
2,4-D	0.167	0.155		mg/Kg		93	46 - 150	
2,4-D	0.167	0.160		mg/Kg		96	46 - 150	
Silvex (2,4,5-TP)	0.0417	0.0401		mg/Kg		96	41 - 150	
Silvex (2,4,5-TP)	0.0417	0.0378		mg/Kg		91	41 - 150	

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8151A - Herbicides (GC) (Continued)

**Lab Sample ID: LCS 460-871480/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871480**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
							Lower	Upper
2,4,5-T	0.0417	0.0384		mg/Kg		92	10 - 150	
2,4,5-T	0.0417	0.0450		mg/Kg		108	10 - 150	

Surrogate	%Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	102		27 - 150
2,4-Dichlorophenylacetic acid	105		27 - 150

**Lab Sample ID: LCSD 460-871480/3-A**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 871480**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
							Lower	Upper		
2,4-D	0.167	0.157		mg/Kg		94	46 - 150	2	30	
2,4-D	0.167	0.162		mg/Kg		97	46 - 150	2	30	
Silvex (2,4,5-TP)	0.0417	0.0404		mg/Kg		97	41 - 150	1	30	
Silvex (2,4,5-TP)	0.0417	0.0382		mg/Kg		92	41 - 150	1	30	
2,4,5-T	0.0417	0.0389		mg/Kg		93	10 - 150	1	30	
2,4,5-T	0.0417	0.0454		mg/Kg		109	10 - 150	1	30	

Surrogate	%Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	104		27 - 150
2,4-Dichlorophenylacetic acid	106		27 - 150

**Lab Sample ID: 460-267187-F-10-H MS**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 871480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
									Lower	Upper
2,4-D	0.012	U	0.169	0.204		mg/Kg	✖	120	46 - 150	
2,4-D	0.012	U	0.169	0.218		mg/Kg	✖	128	46 - 150	
Silvex (2,4,5-TP)	0.0035	U	0.0424	0.0540		mg/Kg	✖	127	41 - 150	
Silvex (2,4,5-TP)	0.0035	U	0.0424	0.0514		mg/Kg	✖	121	41 - 150	
2,4,5-T	0.0072	U	0.0424	0.0526		mg/Kg	✖	124	10 - 150	
2,4,5-T	0.0072	U	0.0424	0.0524		mg/Kg	✖	124	10 - 150	

Surrogate	%Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	99		27 - 150
2,4-Dichlorophenylacetic acid	103		27 - 150

**Lab Sample ID: 460-267187-F-10-I MSD**  
**Matrix: Solid**  
**Analysis Batch: 871650**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 871480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
									Lower	Upper		
2,4-D	0.012	U	0.169	0.206		mg/Kg	✖	121	46 - 150	1	30	
2,4-D	0.012	U	0.169	0.216		mg/Kg	✖	127	46 - 150	1	30	
Silvex (2,4,5-TP)	0.0035	U	0.0423	0.0546		mg/Kg	✖	129	41 - 150	1	30	
Silvex (2,4,5-TP)	0.0035	U	0.0423	0.0517		mg/Kg	✖	122	41 - 150	0	30	

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-267187-F-10-I MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 871650

Prep Batch: 871480

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
2,4,5-T	0.0072	U	0.0423	0.0532		mg/Kg	☼	126	10 - 150	1	30
2,4,5-T	0.0072	U	0.0423	0.0526		mg/Kg	☼	124	10 - 150	0	30
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
2,4-Dichlorophenylacetic acid	101		27 - 150								
2,4-Dichlorophenylacetic acid	101		27 - 150								

Lab Sample ID: LB 460-871543/1-C

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: TCLP

Analysis Batch: 871895

Prep Batch: 871479

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	0.00030	U	0.0050	0.00030	mg/L		10/13/22 10:13	10/14/22 07:24	1
Silvex (2,4,5-TP)	0.00024	U	0.0050	0.00024	mg/L		10/13/22 10:13	10/14/22 07:24	1
2,4,5-T	0.00012	U	0.0050	0.00012	mg/L		10/13/22 10:13	10/14/22 07:24	1
Surrogate	LB	LB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid	51		10 - 150				10/13/22 10:13	10/14/22 07:24	1
2,4-Dichlorophenylacetic acid	53		10 - 150				10/13/22 10:13	10/14/22 07:24	1

## Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-871485/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 871737

Prep Batch: 871485

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total EPH (C9-C40)	14	U	14	14	mg/Kg		10/12/22 11:25	10/13/22 13:30	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
o-Terphenyl	100		40 - 140				10/12/22 11:25	10/13/22 13:30	1
1-Chlorooctadecane	108		40 - 140				10/12/22 11:25	10/13/22 13:30	1

Lab Sample ID: LCS 460-871485/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 871737

Prep Batch: 871485

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Total EPH (C9-C40)	133	148		mg/Kg		111	40 - 140	
Surrogate	LCS	LCS						
	%Recovery	Qualifier	Limits					
o-Terphenyl	105		40 - 140					
1-Chlorooctadecane	176	S1+	40 - 140					

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

**Lab Sample ID: LCSD 460-871485/3-A**  
**Matrix: Solid**  
**Analysis Batch: 871737**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 871485**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Total EPH (C9-C40)	133	137		mg/Kg		103	40 - 140	8	25
<b>LCSD LCSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
<i>o</i> -Terphenyl	103		40 - 140						
1-Chlorooctadecane	170	S1+	40 - 140						

**Lab Sample ID: 460-267197-2 MS**  
**Matrix: Solid**  
**Analysis Batch: 871737**

**Client Sample ID: B-20-C**  
**Prep Type: Total/NA**  
**Prep Batch: 871485**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Total EPH (C9-C40)	100		155	302		mg/Kg	✱	128	40 - 140		
<b>MS MS</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
<i>o</i> -Terphenyl	90		40 - 140								
1-Chlorooctadecane	105		40 - 140								

**Lab Sample ID: 460-267197-2 MSD**  
**Matrix: Solid**  
**Analysis Batch: 871737**

**Client Sample ID: B-20-C**  
**Prep Type: Total/NA**  
**Prep Batch: 871485**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Total EPH (C9-C40)	100		155	313		mg/Kg	✱	136	40 - 140	4	25
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
<i>o</i> -Terphenyl	90		40 - 140								
1-Chlorooctadecane	100		40 - 140								

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 460-871442/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871758**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871442**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.089	U	0.40	0.089	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Aluminum	5.5	U	20.0	5.5	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Arsenic	0.10	U	1.0	0.10	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Barium	0.15	U	2.0	0.15	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Beryllium	0.057	U	0.40	0.057	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Calcium	17.7	U	100	17.7	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Cadmium	0.11	U	1.0	0.11	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Cobalt	0.15	U	2.0	0.15	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Chromium	0.91	U	2.0	0.91	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Copper	0.37	U	2.0	0.37	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Iron	20.2	U	60.0	20.2	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Potassium	16.2	U	100	16.2	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Magnesium	10.2	U	100	10.2	mg/Kg		10/12/22 08:54	10/13/22 10:50	1

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: MB 460-871442/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871758**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871442**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Manganese	0.40	U	4.0	0.40	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Sodium	45.7	U	100	45.7	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Nickel	0.47	U	2.0	0.47	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Lead	0.20	U	0.60	0.20	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Antimony	0.15	U	1.0	0.15	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Selenium	0.13	U	1.3	0.13	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Thallium	0.041	U	0.40	0.041	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Vanadium	0.21	U	2.0	0.21	mg/Kg		10/12/22 08:54	10/13/22 10:50	1
Zinc	3.1	U	8.0	3.1	mg/Kg		10/12/22 08:54	10/13/22 10:50	1

**Lab Sample ID: LCSSRM 460-871442/2-A ^5**  
**Matrix: Solid**  
**Analysis Batch: 871758**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871442**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec
							Limits
Aluminum	7690	7398		mg/Kg		96.2	45.3 - 154.7
Arsenic	112	120.5		mg/Kg		107.6	82.0 - 118.8
Barium	154	171.8		mg/Kg		111.5	81.8 - 118.2
Beryllium	121	124.1		mg/Kg		102.5	82.2 - 118.2
Calcium	4590	4643		mg/Kg		101.2	81.0 - 119.2
Cadmium	196	208.7		mg/Kg		106.5	82.1 - 118.4
Cobalt	46.4	48.56		mg/Kg		104.7	83.2 - 116.6
Chromium	103	106.8		mg/Kg		103.7	80.8 - 118.4
Copper	70.4	75.73		mg/Kg		107.6	83.4 - 116.6
Iron	13400	12660		mg/Kg		94.5	58.2 - 141.8
Potassium	1940	1951		mg/Kg		100.6	68.0 - 131.4
Magnesium	2240	2299		mg/Kg		102.7	75.4 - 125.0
Manganese	373	391.2		mg/Kg		104.9	81.5 - 118.5
Sodium	132	229	U	mg/Kg		102.6	71.4 - 129.5
Nickel	249	263.3		mg/Kg		105.7	81.9 - 118.1
Lead	73.2	77.08		mg/Kg		105.3	82.8 - 117.3
Antimony	111	56.01		mg/Kg		50.5	0.7 - 205.4
Selenium	215	242.7		mg/Kg		112.9	78.1 - 121.9
Thallium	67.7	76.04		mg/Kg		112.3	80.1 - 120.1



# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCSSRM 460-871442/2-A ^5**  
**Matrix: Solid**  
**Analysis Batch: 871758**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871442**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	177	182.5		mg/Kg		103.1	78.0 - 122.0
Zinc	360	377.5		mg/Kg		104.8	79.7 - 120.3

**Lab Sample ID: 460-267207-E-1-E MS**  
**Matrix: Solid**  
**Analysis Batch: 871758**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 871442**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.098	U	5.50	5.32		mg/Kg	☼	97	75 - 125
Aluminum	13600		550	15490	4	mg/Kg	☼	344	75 - 125
Arsenic	3.3		11.0	13.95		mg/Kg	☼	97	75 - 125
Barium	87.3		11.0	99.23	4	mg/Kg	☼	108	75 - 125
Beryllium	0.85		5.50	6.57		mg/Kg	☼	104	75 - 125
Calcium	1100		550	1626		mg/Kg	☼	95	75 - 125
Cadmium	0.12	U	5.50	5.41		mg/Kg	☼	98	75 - 125
Cobalt	12.3		5.50	18.96		mg/Kg	☼	121	75 - 125
Chromium	26.5	F1	11.0	65.56	F1	mg/Kg	☼	356	75 - 125
Copper	13.9		11.0	25.15		mg/Kg	☼	103	75 - 125
Iron	25100		550	26280	4	mg/Kg	☼	208	75 - 125
Potassium	2600		550	3359	4	mg/Kg	☼	139	75 - 125
Magnesium	7800		550	8228	4	mg/Kg	☼	78	75 - 125
Manganese	545		55.0	696.4	4	mg/Kg	☼	276	75 - 125
Sodium	397		550	927.5		mg/Kg	☼	96	75 - 125
Nickel	27.5	F1	11.0	49.79	F1	mg/Kg	☼	203	75 - 125
Lead	16.4	F1	5.50	23.91	F1	mg/Kg	☼	137	75 - 125
Antimony	0.16	U F1	5.50	2.55	F1	mg/Kg	☼	46	75 - 125
Selenium	0.14	U	11.0	8.98		mg/Kg	☼	82	75 - 125
Thallium	0.22	J	4.40	4.68		mg/Kg	☼	101	75 - 125
Vanadium	27.8		11.0	40.71		mg/Kg	☼	117	75 - 125
Zinc	64.4		55.0	114.7		mg/Kg	☼	92	75 - 125

**Lab Sample ID: 460-267207-E-1-D DU**  
**Matrix: Solid**  
**Analysis Batch: 871758**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 871442**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	0.098	U	0.098	U	mg/Kg	☼	NC	20
Aluminum	13600		13530		mg/Kg	☼	0.5	20
Arsenic	3.3		3.46		mg/Kg	☼	5	20
Barium	87.3		85.48		mg/Kg	☼	2	20
Beryllium	0.85		0.869		mg/Kg	☼	2	20
Calcium	1100		1045		mg/Kg	☼	5	20
Cadmium	0.12	U	0.12	U	mg/Kg	☼	NC	20
Cobalt	12.3		12.74		mg/Kg	☼	3	20
Chromium	26.5	F1	27.29		mg/Kg	☼	3	20
Copper	13.9		13.48		mg/Kg	☼	3	20
Iron	25100		24850		mg/Kg	☼	1	20
Potassium	2600		2490		mg/Kg	☼	4	20

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: 460-267207-E-1-D DU**  
**Matrix: Solid**  
**Analysis Batch: 871758**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 871442**

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Magnesium	7800		7181		mg/Kg	☼	8	20
Manganese	545		634.4		mg/Kg	☼	15	20
Sodium	397		378.4		mg/Kg	☼	5	20
Nickel	27.5	F1	27.53		mg/Kg	☼	0.2	20
Lead	16.4	F1	16.16		mg/Kg	☼	1	20
Antimony	0.16	U F1	0.16	U	mg/Kg	☼	NC	20
Selenium	0.14	U	0.14	U	mg/Kg	☼	NC	20
Thallium	0.22	J	0.216	J	mg/Kg	☼	3	20
Vanadium	27.8		28.60		mg/Kg	☼	3	20
Zinc	64.4		61.92		mg/Kg	☼	4	20

**Lab Sample ID: MB 460-871778/1-A**  
**Matrix: Solid**  
**Analysis Batch: 872019**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871778**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silver	0.00029	U	0.0020	0.00029	mg/L		10/13/22 15:15	10/14/22 11:54	1
Arsenic	0.00089	U	0.0020	0.00089	mg/L		10/13/22 15:15	10/14/22 11:54	1
Barium	0.00091	U	0.0040	0.00091	mg/L		10/13/22 15:15	10/14/22 11:54	1
Cadmium	0.00039	U	0.0020	0.00039	mg/L		10/13/22 15:15	10/14/22 11:54	1
Chromium	0.0025	U	0.0040	0.0025	mg/L		10/13/22 15:15	10/14/22 11:54	1
Lead	0.00084	U	0.0012	0.00084	mg/L		10/13/22 15:15	10/14/22 11:54	1
Selenium	0.00059	U	0.0025	0.00059	mg/L		10/13/22 15:15	10/14/22 11:54	1

**Lab Sample ID: LCS 460-871778/2-A ^10**  
**Matrix: Solid**  
**Analysis Batch: 872019**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871778**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	0.500	0.526		mg/L		105	80 - 120
Arsenic	5.00	5.35		mg/L		107	80 - 120
Barium	10.0	10.69		mg/L		107	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.40		mg/L		108	80 - 120
Lead	5.00	5.22		mg/L		104	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120

**Lab Sample ID: LB 460-871543/1-F ^10**  
**Matrix: Solid**  
**Analysis Batch: 872019**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 871778**

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silver	0.0029	U	0.020	0.0029	mg/L		10/13/22 15:15	10/14/22 12:44	10
Arsenic	0.0089	U	0.020	0.0089	mg/L		10/13/22 15:15	10/14/22 12:44	10
Barium	0.0091	U	0.040	0.0091	mg/L		10/13/22 15:15	10/14/22 12:44	10
Cadmium	0.0039	U	0.020	0.0039	mg/L		10/13/22 15:15	10/14/22 12:44	10
Chromium	0.025	U	0.040	0.025	mg/L		10/13/22 15:15	10/14/22 12:44	10
Lead	0.0084	U	0.012	0.0084	mg/L		10/13/22 15:15	10/14/22 12:44	10
Selenium	0.0059	U	0.025	0.0059	mg/L		10/13/22 15:15	10/14/22 12:44	10

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: 180-146010-C-1-I MS ^10**  
**Matrix: Solid**  
**Analysis Batch: 872019**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 871778**

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Silver	0.0029	U	0.500	0.506		mg/L		101		75 - 125
Arsenic	0.0089	U	5.00	5.24		mg/L		105		75 - 125
Barium	0.18		10.0	10.73		mg/L		105		75 - 125
Cadmium	0.0039	U	1.00	1.06		mg/L		106		75 - 125
Chromium	0.025	U	5.00	5.23		mg/L		105		75 - 125
Lead	0.0084	U	5.00	5.25		mg/L		105		75 - 125
Selenium	0.0059	U	1.00	1.08		mg/L		108		75 - 125

**Lab Sample ID: 180-146010-C-1-H DU ^10**  
**Matrix: Solid**  
**Analysis Batch: 872019**

**Client Sample ID: Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 871778**

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD	Limit
	Result	Qualifier	Result	Qualifier					
Silver	0.0029	U	0.0029	U	mg/L		NC		20
Arsenic	0.0089	U	0.0089	U	mg/L		NC		20
Barium	0.18		0.184		mg/L		4		20
Cadmium	0.0039	U	0.0039	U	mg/L		NC		20
Chromium	0.025	U	0.025	U	mg/L		NC		20
Lead	0.0084	U	0.0084	U	mg/L		NC		20
Selenium	0.0059	U	0.0059	U	mg/L		NC		20

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 460-871740/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871797**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871740**

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/13/22 12:18	10/13/22 15:18	1

**Lab Sample ID: LCS 460-871740/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871797**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871740**

Analyte	Spike	LCS		Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Mercury	0.00500	0.00526		mg/L		105		80 - 120

**Lab Sample ID: LB 460-871543/1-E**  
**Matrix: Solid**  
**Analysis Batch: 871797**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 871740**

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/13/22 12:18	10/13/22 16:03	1

**Lab Sample ID: 460-267215-G-1-D MS**  
**Matrix: Solid**  
**Analysis Batch: 871797**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 871740**

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Mercury	0.000091	U	0.00500	0.00481		mg/L		96		75 - 125

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-267215-G-1-C DU  
Matrix: Solid  
Analysis Batch: 871797

Client Sample ID: Duplicate  
Prep Type: TCLP  
Prep Batch: 871740

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Mercury	0.000091	U	0.000091	U	mg/L		NC	20

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-871385/1-A  
Matrix: Solid  
Analysis Batch: 871401

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 871385

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0080	U	0.017	0.0080	mg/Kg		10/12/22 00:34	10/12/22 05:33	1

Lab Sample ID: LCSSRM 460-871385/2-A ^40  
Matrix: Solid  
Analysis Batch: 871401

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 871385

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: 460-267187-E-10-A MSD  
Matrix: Solid  
Analysis Batch: 871401

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 871385

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Mercury	0.0074	U	0.0771	0.0879		mg/Kg	✱	114	80 - 120	0	20

Lab Sample ID: 460-267187-F-10-B MS  
Matrix: Solid  
Analysis Batch: 871401

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 871385

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Mercury	0.0074	U	0.0771	0.0881		mg/Kg	✱	114	80 - 120

Lab Sample ID: 460-267187-A-10-A DU  
Matrix: Solid  
Analysis Batch: 871401

Client Sample ID: Duplicate  
Prep Type: Total/NA  
Prep Batch: 871385

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Mercury	0.0074	U	0.0074	U	mg/Kg	✱	NC	20

## Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-264758-A-11 DU  
Matrix: Solid  
Analysis Batch: 872023

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 9012B - Cyanide, Total and/or Amenable

**Lab Sample ID: MB 460-871580/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871605**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871580**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.13	U	0.24	0.13	mg/L		10/12/22 18:56	10/12/22 21:40	1

**Lab Sample ID: LCSSRM 460-871580/3-A ^20**  
**Matrix: Solid**  
**Analysis Batch: 871605**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871580**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	115	60.48		mg/L		52.6	25.6 - 125.2

**Lab Sample ID: MRL 460-871580/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871605**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871580**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0110		mg/L		110	50 - 150

**Lab Sample ID: 460-267197-2 MS**  
**Matrix: Solid**  
**Analysis Batch: 871605**

**Client Sample ID: B-20-C**  
**Prep Type: Total/NA**  
**Prep Batch: 871580**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.17	J F1	5.38	6.75	F1	mg/L	⊛	122	26 - 120

**Lab Sample ID: 460-267197-2 MSD**  
**Matrix: Solid**  
**Analysis Batch: 871605**

**Client Sample ID: B-20-C**  
**Prep Type: Total/NA**  
**Prep Batch: 871580**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.17	J F1	5.38	6.75	F1	mg/L	⊛	122	26 - 120	0	40

## Method: 9014 - Cyanide, Reactive

**Lab Sample ID: MB 460-871761/1-A**  
**Matrix: Solid**  
**Analysis Batch: 871765**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 871761**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1

**Lab Sample ID: LCS 460-871761/2-A**  
**Matrix: Solid**  
**Analysis Batch: 871765**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 871761**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: 460-267042-G-4-I DU  
Matrix: Solid  
Analysis Batch: 871765

Client Sample ID: Duplicate  
Prep Type: Total/NA  
Prep Batch: 871761

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

## Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-871759/1-A  
Matrix: Solid  
Analysis Batch: 871763

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 871759

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		10/13/22 10:00	10/13/22 12:00	1

Lab Sample ID: LCSSRM 460-871759/3-A  
Matrix: Solid  
Analysis Batch: 871763

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 871759

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Sulfide, Reactive	70.9	81.75		mg/Kg		115.3	46.7 - 142.5

Lab Sample ID: 460-267042-G-4-F MS  
Matrix: Solid  
Analysis Batch: 871763

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 871759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Sulfide, Reactive	20.0	U	436	330.2		mg/Kg		76	64 - 136

Lab Sample ID: 460-267042-G-4-G MSD  
Matrix: Solid  
Analysis Batch: 871763

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 871759

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfide, Reactive	20.0	U	436	338.2		mg/Kg		78	64 - 136	2	10

## Method: 9045D - pH

Lab Sample ID: MB 460-872026/2  
Matrix: Solid  
Analysis Batch: 872026

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.0				SU			10/14/22 16:38	1
Temperature	23.5				Degrees C			10/14/22 16:38	1
Corrosivity	6.0				SU			10/14/22 16:38	1

Lab Sample ID: LCSSRM 460-872026/3  
Matrix: Solid  
Analysis Batch: 872026

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
pH	6.27	6.3		SU		100.2	96.8 - 103.2

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# QC Sample Results

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Method: 9045D - pH (Continued)

Lab Sample ID: LCSSRM 460-872026/3  
Matrix: Solid  
Analysis Batch: 872026

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Corrosivity	6.27	6.3		SU		100.2	96.8 - 103.2

Lab Sample ID: 460-266765-A-1 DU  
Matrix: Solid  
Analysis Batch: 872026

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.8		7.8		SU		0.1	10
Temperature	22.4		22.6		Degrees C		0.9	10
Corrosivity	7.8		7.8		SU		0.1	10

## Method: 9095B - Paint Filter

Lab Sample ID: 460-267195-J-2 DU  
Matrix: Solid  
Analysis Batch: 872018

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

## Method: Moisture - Percent Moisture

Lab Sample ID: 460-267108-A-7 DU  
Matrix: Solid  
Analysis Batch: 871274

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.4		6.2		%		15	20
Percent Solids	94.6		93.8		%		0.9	20

Lab Sample ID: 460-267197-8 DU  
Matrix: Solid  
Analysis Batch: 871744

Client Sample ID: B-19-C  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14.6		14.3		%		2	20
Percent Solids	85.4		85.7		%		0.3	20

## Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: 460-267197-4 DU  
Matrix: Solid  
Analysis Batch: 871494

Client Sample ID: B-21-C  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Volatile Solids	2.4		4.63	F3	%		64	5

# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## GC/MS VOA

### Prep Batch: 871378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-1	B-20-G	Total/NA	Solid	5035	
460-267197-3	B-21-G	Total/NA	Solid	5035	
460-267197-5	B-18-G	Total/NA	Solid	5035	
460-267197-7	B-19-G	Total/NA	Solid	5035	

### Analysis Batch: 871525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-1	B-20-G	Total/NA	Solid	8260D	871378
460-267197-3	B-21-G	Total/NA	Solid	8260D	871378
MB 460-871525/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-871525/5	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-871525/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

### Leach Batch: 871618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-1	B-20-G	TCLP	Solid	1311	
460-267197-3	B-21-G	TCLP	Solid	1311	
460-267197-5	B-18-G	TCLP	Solid	1311	
460-267197-7	B-19-G	TCLP	Solid	1311	
LB 460-871618/1-A	Method Blank	TCLP	Solid	1311	

### Analysis Batch: 871630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-5	B-18-G	Total/NA	Solid	8260D	871378
460-267197-7	B-19-G	Total/NA	Solid	8260D	871378
MB 460-871630/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-871630/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-871630/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

### Analysis Batch: 871882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-1	B-20-G	TCLP	Solid	8260D	871618
460-267197-3	B-21-G	TCLP	Solid	8260D	871618
460-267197-5	B-18-G	TCLP	Solid	8260D	871618
460-267197-7	B-19-G	TCLP	Solid	8260D	871618
LB 460-871618/1-A	Method Blank	TCLP	Solid	8260D	871618
MB 460-871882/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-871882/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-871882/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

## GC/MS Semi VOA

### Prep Batch: 871330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	3546	
460-267197-4	B-21-C	Total/NA	Solid	3546	
460-267197-6	B-18-C	Total/NA	Solid	3546	
460-267197-8	B-19-C	Total/NA	Solid	3546	
MB 460-871330/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-871330/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-871330/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## GC/MS Semi VOA (Continued)

### Prep Batch: 871330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267188-A-2-G MS	Matrix Spike	Total/NA	Solid	3546	
460-267188-A-2-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

### Analysis Batch: 871381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	8270E	871330
460-267197-4	B-21-C	Total/NA	Solid	8270E	871330
460-267197-6	B-18-C	Total/NA	Solid	8270E	871330
460-267197-8	B-19-C	Total/NA	Solid	8270E	871330
MB 460-871330/1-A	Method Blank	Total/NA	Solid	8270E	871330
LCS 460-871330/2-A	Lab Control Sample	Total/NA	Solid	8270E	871330
LCSD 460-871330/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	871330
460-267188-A-2-G MS	Matrix Spike	Total/NA	Solid	8270E	871330
460-267188-A-2-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	871330

### Leach Batch: 871543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	1311	
460-267197-4	B-21-C	TCLP	Solid	1311	
460-267197-6	B-18-C	TCLP	Solid	1311	
460-267197-8	B-19-C	TCLP	Solid	1311	
LB 460-871543/1-D	Method Blank	TCLP	Solid	1311	

### Prep Batch: 871709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	3510C	871543
460-267197-4	B-21-C	TCLP	Solid	3510C	871543
460-267197-6	B-18-C	TCLP	Solid	3510C	871543
460-267197-8	B-19-C	TCLP	Solid	3510C	871543
LB 460-871543/1-D	Method Blank	TCLP	Solid	3510C	871543
MB 460-871709/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-871709/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-871709/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

### Analysis Batch: 871814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	8270E	871709
460-267197-4	B-21-C	TCLP	Solid	8270E	871709
460-267197-6	B-18-C	TCLP	Solid	8270E	871709
460-267197-8	B-19-C	TCLP	Solid	8270E	871709
LB 460-871543/1-D	Method Blank	TCLP	Solid	8270E	871709
MB 460-871709/1-A	Method Blank	Total/NA	Solid	8270E	871709
LCS 460-871709/2-A	Lab Control Sample	Total/NA	Solid	8270E	871709
LCSD 460-871709/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	871709

## GC Semi VOA

### Prep Batch: 871323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	3546	
460-267197-4	B-21-C	Total/NA	Solid	3546	

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## GC Semi VOA (Continued)

### Prep Batch: 871323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-6	B-18-C	Total/NA	Solid	3546	
460-267197-8	B-19-C	Total/NA	Solid	3546	
MB 460-871323/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-871323/2-A	Lab Control Sample	Total/NA	Solid	3546	
460-267188-A-2-A MS	Matrix Spike	Total/NA	Solid	3546	
460-267188-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

### Prep Batch: 871329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	3546	
460-267197-4	B-21-C	Total/NA	Solid	3546	
460-267197-6	B-18-C	Total/NA	Solid	3546	
460-267197-8	B-19-C	Total/NA	Solid	3546	
MB 460-871329/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-871329/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-871329/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-267188-A-2-D MS	Matrix Spike	Total/NA	Solid	3546	
460-267188-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

### Analysis Batch: 871408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	8081B	871329
460-267197-4	B-21-C	Total/NA	Solid	8081B	871329
460-267197-6	B-18-C	Total/NA	Solid	8081B	871329
460-267197-8	B-19-C	Total/NA	Solid	8081B	871329
MB 460-871329/1-A	Method Blank	Total/NA	Solid	8081B	871329
LCS 460-871329/2-A	Lab Control Sample	Total/NA	Solid	8081B	871329
LCSD 460-871329/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	871329
460-267188-A-2-D MS	Matrix Spike	Total/NA	Solid	8081B	871329
460-267188-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	871329

### Analysis Batch: 871417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	8082A	871323
460-267197-4	B-21-C	Total/NA	Solid	8082A	871323
460-267197-6	B-18-C	Total/NA	Solid	8082A	871323
460-267197-8	B-19-C	Total/NA	Solid	8082A	871323
MB 460-871323/1-A	Method Blank	Total/NA	Solid	8082A	871323
LCS 460-871323/2-A	Lab Control Sample	Total/NA	Solid	8082A	871323
460-267188-A-2-A MS	Matrix Spike	Total/NA	Solid	8082A	871323
460-267188-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	871323

### Prep Batch: 871467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	3510C	871543
460-267197-4	B-21-C	TCLP	Solid	3510C	871543
460-267197-6	B-18-C	TCLP	Solid	3510C	871543
460-267197-8	B-19-C	TCLP	Solid	3510C	871543
LB 460-871543/1-B	Method Blank	TCLP	Solid	3510C	871543
MB 460-871467/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-871467/2-A	Lab Control Sample	Total/NA	Solid	3510C	

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## GC Semi VOA (Continued)

### Prep Batch: 871467 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-871467/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

### Prep Batch: 871479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	8151A	871543
460-267197-4	B-21-C	TCLP	Solid	8151A	871543
460-267197-6	B-18-C	TCLP	Solid	8151A	871543
460-267197-8	B-19-C	TCLP	Solid	8151A	871543
LB 460-871543/1-C	Method Blank	TCLP	Solid	8151A	871543
MB 460-871479/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-871479/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-871479/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

### Prep Batch: 871480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	8151A	
460-267197-4	B-21-C	Total/NA	Solid	8151A	
460-267197-6	B-18-C	Total/NA	Solid	8151A	
460-267197-8	B-19-C	Total/NA	Solid	8151A	
MB 460-871480/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-871480/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-871480/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-267187-F-10-H MS	Matrix Spike	Total/NA	Solid	8151A	
460-267187-F-10-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

### Prep Batch: 871485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	3546	
460-267197-4	B-21-C	Total/NA	Solid	3546	
460-267197-6	B-18-C	Total/NA	Solid	3546	
460-267197-8	B-19-C	Total/NA	Solid	3546	
MB 460-871485/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-871485/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-871485/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-267197-2 MS	B-20-C	Total/NA	Solid	3546	
460-267197-2 MSD	B-20-C	Total/NA	Solid	3546	

### Leach Batch: 871543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	1311	
460-267197-4	B-21-C	TCLP	Solid	1311	
460-267197-6	B-18-C	TCLP	Solid	1311	
460-267197-8	B-19-C	TCLP	Solid	1311	
LB 460-871543/1-B	Method Blank	TCLP	Solid	1311	
LB 460-871543/1-C	Method Blank	TCLP	Solid	1311	

### Analysis Batch: 871626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-871467/1-A	Method Blank	Total/NA	Solid	8081B	871467
LCS 460-871467/2-A	Lab Control Sample	Total/NA	Solid	8081B	871467
LCSD 460-871467/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	871467

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## GC Semi VOA

### Analysis Batch: 871650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	8151A	871480
460-267197-4	B-21-C	Total/NA	Solid	8151A	871480
460-267197-6	B-18-C	Total/NA	Solid	8151A	871480
460-267197-8	B-19-C	Total/NA	Solid	8151A	871480
MB 460-871479/1-A	Method Blank	Total/NA	Solid	8151A	871479
LCS 460-871479/2-A	Lab Control Sample	Total/NA	Solid	8151A	871479
LCS 460-871480/2-A	Lab Control Sample	Total/NA	Solid	8151A	871480
LCSD 460-871479/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	871479
LCSD 460-871480/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	871480
460-267187-F-10-H MS	Matrix Spike	Total/NA	Solid	8151A	871480
460-267187-F-10-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	871480

### Analysis Batch: 871737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	NJDEP EPH	871485
460-267197-4	B-21-C	Total/NA	Solid	NJDEP EPH	871485
460-267197-6	B-18-C	Total/NA	Solid	NJDEP EPH	871485
460-267197-8	B-19-C	Total/NA	Solid	NJDEP EPH	871485
MB 460-871485/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	871485
LCS 460-871485/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	871485
LCSD 460-871485/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	871485
460-267197-2 MS	B-20-C	Total/NA	Solid	NJDEP EPH	871485
460-267197-2 MSD	B-20-C	Total/NA	Solid	NJDEP EPH	871485

### Analysis Batch: 871865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	8081B	871467
460-267197-4	B-21-C	TCLP	Solid	8081B	871467
460-267197-6	B-18-C	TCLP	Solid	8081B	871467
460-267197-8	B-19-C	TCLP	Solid	8081B	871467
LB 460-871543/1-B	Method Blank	TCLP	Solid	8081B	871467

### Analysis Batch: 871895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	8151A	871479
460-267197-4	B-21-C	TCLP	Solid	8151A	871479
460-267197-6	B-18-C	TCLP	Solid	8151A	871479
460-267197-8	B-19-C	TCLP	Solid	8151A	871479
LB 460-871543/1-C	Method Blank	TCLP	Solid	8151A	871479

### Analysis Batch: 871939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-871480/1-A	Method Blank	Total/NA	Solid	8151A	871480

## Metals

### Prep Batch: 871385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	7471B	
460-267197-4	B-21-C	Total/NA	Solid	7471B	
460-267197-6	B-18-C	Total/NA	Solid	7471B	

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Metals (Continued)

### Prep Batch: 871385 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-8	B-19-C	Total/NA	Solid	7471B	
MB 460-871385/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-871385/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-267187-E-10-A MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-267187-F-10-B MS	Matrix Spike	Total/NA	Solid	7471B	
460-267187-A-10-A DU	Duplicate	Total/NA	Solid	7471B	

### Analysis Batch: 871401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	7471B	871385
460-267197-4	B-21-C	Total/NA	Solid	7471B	871385
460-267197-6	B-18-C	Total/NA	Solid	7471B	871385
460-267197-8	B-19-C	Total/NA	Solid	7471B	871385
MB 460-871385/1-A	Method Blank	Total/NA	Solid	7471B	871385
LCSSRM 460-871385/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	871385
460-267187-E-10-A MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	871385
460-267187-F-10-B MS	Matrix Spike	Total/NA	Solid	7471B	871385
460-267187-A-10-A DU	Duplicate	Total/NA	Solid	7471B	871385

### Prep Batch: 871442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	3050B	
460-267197-4	B-21-C	Total/NA	Solid	3050B	
460-267197-6	B-18-C	Total/NA	Solid	3050B	
460-267197-8	B-19-C	Total/NA	Solid	3050B	
MB 460-871442/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-871442/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-267207-E-1-E MS	Matrix Spike	Total/NA	Solid	3050B	
460-267207-E-1-D DU	Duplicate	Total/NA	Solid	3050B	

### Leach Batch: 871543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	1311	
460-267197-4	B-21-C	TCLP	Solid	1311	
460-267197-6	B-18-C	TCLP	Solid	1311	
460-267197-8	B-19-C	TCLP	Solid	1311	
LB 460-871543/1-E	Method Blank	TCLP	Solid	1311	
LB 460-871543/1-F ^10	Method Blank	TCLP	Solid	1311	
180-146010-C-1-I MS ^10	Matrix Spike	TCLP	Solid	1311	
460-267215-G-1-D MS	Matrix Spike	TCLP	Solid	1311	
180-146010-C-1-H DU ^10	Duplicate	TCLP	Solid	1311	
460-267215-G-1-C DU	Duplicate	TCLP	Solid	1311	

### Prep Batch: 871740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	7470A	871543
460-267197-4	B-21-C	TCLP	Solid	7470A	871543
460-267197-6	B-18-C	TCLP	Solid	7470A	871543
460-267197-8	B-19-C	TCLP	Solid	7470A	871543
LB 460-871543/1-E	Method Blank	TCLP	Solid	7470A	871543
MB 460-871740/1-A	Method Blank	Total/NA	Solid	7470A	

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Metals (Continued)

### Prep Batch: 871740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-871740/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-267215-G-1-D MS	Matrix Spike	TCLP	Solid	7470A	871543
460-267215-G-1-C DU	Duplicate	TCLP	Solid	7470A	871543

### Analysis Batch: 871758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	6020B	871442
460-267197-4	B-21-C	Total/NA	Solid	6020B	871442
460-267197-6	B-18-C	Total/NA	Solid	6020B	871442
460-267197-8	B-19-C	Total/NA	Solid	6020B	871442
MB 460-871442/1-A	Method Blank	Total/NA	Solid	6020B	871442
LCSSRM 460-871442/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	871442
460-267207-E-1-E MS	Matrix Spike	Total/NA	Solid	6020B	871442
460-267207-E-1-D DU	Duplicate	Total/NA	Solid	6020B	871442

### Prep Batch: 871778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	3010A	871543
460-267197-4	B-21-C	TCLP	Solid	3010A	871543
460-267197-6	B-18-C	TCLP	Solid	3010A	871543
460-267197-8	B-19-C	TCLP	Solid	3010A	871543
LB 460-871543/1-F ^10	Method Blank	TCLP	Solid	3010A	871543
MB 460-871778/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-871778/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
180-146010-C-1-I MS ^10	Matrix Spike	TCLP	Solid	3010A	871543
180-146010-C-1-H DU ^10	Duplicate	TCLP	Solid	3010A	871543

### Analysis Batch: 871797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	7470A	871740
460-267197-4	B-21-C	TCLP	Solid	7470A	871740
460-267197-6	B-18-C	TCLP	Solid	7470A	871740
460-267197-8	B-19-C	TCLP	Solid	7470A	871740
LB 460-871543/1-E	Method Blank	TCLP	Solid	7470A	871740
MB 460-871740/1-A	Method Blank	Total/NA	Solid	7470A	871740
LCS 460-871740/2-A	Lab Control Sample	Total/NA	Solid	7470A	871740
460-267215-G-1-D MS	Matrix Spike	TCLP	Solid	7470A	871740
460-267215-G-1-C DU	Duplicate	TCLP	Solid	7470A	871740

### Analysis Batch: 872019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	TCLP	Solid	6020B	871778
460-267197-4	B-21-C	TCLP	Solid	6020B	871778
460-267197-6	B-18-C	TCLP	Solid	6020B	871778
460-267197-8	B-19-C	TCLP	Solid	6020B	871778
LB 460-871543/1-F ^10	Method Blank	TCLP	Solid	6020B	871778
MB 460-871778/1-A	Method Blank	Total/NA	Solid	6020B	871778
LCS 460-871778/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	871778
180-146010-C-1-I MS ^10	Matrix Spike	TCLP	Solid	6020B	871778
180-146010-C-1-H DU ^10	Duplicate	TCLP	Solid	6020B	871778

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## General Chemistry

### Analysis Batch: 871274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-1	B-20-G	Total/NA	Solid	Moisture	
460-267197-3	B-21-G	Total/NA	Solid	Moisture	
460-267197-5	B-18-G	Total/NA	Solid	Moisture	
460-267197-7	B-19-G	Total/NA	Solid	Moisture	
460-267108-A-14 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-267108-A-14 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-267108-A-7 DU	Duplicate	Total/NA	Solid	Moisture	

### Analysis Batch: 871494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	SM 2540G	
460-267197-4	B-21-C	Total/NA	Solid	SM 2540G	
460-267197-6	B-18-C	Total/NA	Solid	SM 2540G	
460-267197-8	B-19-C	Total/NA	Solid	SM 2540G	
460-267197-4 DU	B-21-C	Total/NA	Solid	SM 2540G	

### Prep Batch: 871580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	9012B	
460-267197-4	B-21-C	Total/NA	Solid	9012B	
460-267197-6	B-18-C	Total/NA	Solid	9012B	
460-267197-8	B-19-C	Total/NA	Solid	9012B	
MB 460-871580/2-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-871580/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
MRL 460-871580/1-A	Lab Control Sample	Total/NA	Solid	9012B	
460-267197-2 MS	B-20-C	Total/NA	Solid	9012B	
460-267197-2 MSD	B-20-C	Total/NA	Solid	9012B	

### Analysis Batch: 871605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	9012B	871580
460-267197-4	B-21-C	Total/NA	Solid	9012B	871580
460-267197-6	B-18-C	Total/NA	Solid	9012B	871580
460-267197-8	B-19-C	Total/NA	Solid	9012B	871580
MB 460-871580/2-A	Method Blank	Total/NA	Solid	9012B	871580
LCSSRM 460-871580/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	871580
MRL 460-871580/1-A	Lab Control Sample	Total/NA	Solid	9012B	871580
460-267197-2 MS	B-20-C	Total/NA	Solid	9012B	871580
460-267197-2 MSD	B-20-C	Total/NA	Solid	9012B	871580

### Analysis Batch: 871744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	Moisture	
460-267197-4	B-21-C	Total/NA	Solid	Moisture	
460-267197-6	B-18-C	Total/NA	Solid	Moisture	
460-267197-8	B-19-C	Total/NA	Solid	Moisture	
460-267197-8 DU	B-19-C	Total/NA	Solid	Moisture	

### Prep Batch: 871759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	7.3.4	

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## General Chemistry (Continued)

### Prep Batch: 871759 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-4	B-21-C	Total/NA	Solid	7.3.4	
460-267197-6	B-18-C	Total/NA	Solid	7.3.4	
460-267197-8	B-19-C	Total/NA	Solid	7.3.4	
MB 460-871759/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-871759/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-267042-G-4-F MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-267042-G-4-G MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

### Prep Batch: 871761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	7.3.3	
460-267197-4	B-21-C	Total/NA	Solid	7.3.3	
460-267197-6	B-18-C	Total/NA	Solid	7.3.3	
460-267197-8	B-19-C	Total/NA	Solid	7.3.3	
MB 460-871761/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-871761/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-267042-G-4-I DU	Duplicate	Total/NA	Solid	7.3.3	

### Analysis Batch: 871763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	9034	871759
460-267197-4	B-21-C	Total/NA	Solid	9034	871759
460-267197-6	B-18-C	Total/NA	Solid	9034	871759
460-267197-8	B-19-C	Total/NA	Solid	9034	871759
MB 460-871759/1-A	Method Blank	Total/NA	Solid	9034	871759
LCSSRM 460-871759/3-A	Lab Control Sample	Total/NA	Solid	9034	871759
460-267042-G-4-F MS	Matrix Spike	Total/NA	Solid	9034	871759
460-267042-G-4-G MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	871759

### Analysis Batch: 871765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	9014	871761
460-267197-4	B-21-C	Total/NA	Solid	9014	871761
460-267197-6	B-18-C	Total/NA	Solid	9014	871761
460-267197-8	B-19-C	Total/NA	Solid	9014	871761
MB 460-871761/1-A	Method Blank	Total/NA	Solid	9014	871761
LCS 460-871761/2-A	Lab Control Sample	Total/NA	Solid	9014	871761
460-267042-G-4-I DU	Duplicate	Total/NA	Solid	9014	871761

### Analysis Batch: 872018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	9095B	
460-267197-4	B-21-C	Total/NA	Solid	9095B	
460-267197-6	B-18-C	Total/NA	Solid	9095B	
460-267197-8	B-19-C	Total/NA	Solid	9095B	
460-267195-J-2 DU	Duplicate	Total/NA	Solid	9095B	

### Analysis Batch: 872023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	1030	
460-267197-4	B-21-C	Total/NA	Solid	1030	

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# QC Association Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## General Chemistry (Continued)

### Analysis Batch: 872023 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-6	B-18-C	Total/NA	Solid	1030	
460-267197-8	B-19-C	Total/NA	Solid	1030	
460-264758-A-11 DU	Duplicate	Total/NA	Solid	1030	

### Analysis Batch: 872026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	9045D	
460-267197-4	B-21-C	Total/NA	Solid	9045D	
460-267197-6	B-18-C	Total/NA	Solid	9045D	
460-267197-8	B-19-C	Total/NA	Solid	9045D	
MB 460-872026/2	Method Blank	Total/NA	Solid	9045D	
LCSRM 460-872026/3	Lab Control Sample	Total/NA	Solid	9045D	
460-266765-A-1 DU	Duplicate	Total/NA	Solid	9045D	

## Geotechnical

### Analysis Batch: 184966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267197-2	B-20-C	Total/NA	Solid	D422	
460-267197-4	B-21-C	Total/NA	Solid	D422	
460-267197-6	B-18-C	Total/NA	Solid	D422	
460-267197-8	B-19-C	Total/NA	Solid	D422	

# Lab Chronicle

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Client Sample ID: B-20-G

Date Collected: 10/10/22 12:40

Date Received: 10/10/22 20:00

## Lab Sample ID: 460-267197-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871618	BJB	EET EDI	10/13/22 01:21 - 10/14/22 03:00 <sup>1</sup>
TCLP	Analysis	8260D		10	871882	CJM	EET EDI	10/14/22 16:11
Total/NA	Analysis	Moisture		1	871274	MVA	EET EDI	10/11/22 12:20

## Client Sample ID: B-20-G

Date Collected: 10/10/22 12:40

Date Received: 10/10/22 20:00

## Lab Sample ID: 460-267197-1

Matrix: Solid

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			871378	JJC	EET EDI	10/11/22 22:51
Total/NA	Analysis	8260D		1	871525	AAT	EET EDI	10/12/22 22:45

## Client Sample ID: B-20-C

Date Collected: 10/10/22 12:50

Date Received: 10/10/22 20:00

## Lab Sample ID: 460-267197-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871709	SXS	EET EDI	10/13/22 10:00
TCLP	Analysis	8270E		1	871814	MME	EET EDI	10/13/22 22:15
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871467	ZEH	EET EDI	10/13/22 09:57
TCLP	Analysis	8081B		1	871865	FAM	EET EDI	10/14/22 04:45
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	8151A			871479	ZEH	EET EDI	10/13/22 10:13
TCLP	Analysis	8151A		1	871895	SAK	EET EDI	10/14/22 08:32
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3010A			871778	VAP	EET EDI	10/13/22 15:15
TCLP	Analysis	6020B		10	872019	VAD	EET EDI	10/14/22 12:32
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	7470A			871740	RBS	EET EDI	10/13/22 12:18
TCLP	Analysis	7470A		1	871797	RBS	EET EDI	10/13/22 15:37
Total/NA	Analysis	1030		1	872023	YAH	EET EDI	10/14/22 16:22
Total/NA	Prep	7.3.3			871761	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9014		1	871765	HTV	EET EDI	10/13/22 12:00
Total/NA	Prep	7.3.4			871759	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9034		1	871763	HTV	EET EDI	10/13/22 12:00
Total/NA	Analysis	9045D		1	872026	YAH	EET EDI	10/14/22 16:38
Total/NA	Analysis	9095B		1	872018	YAH	EET EDI	10/14/22 14:15
Total/NA	Analysis	Moisture		1	871744	RLL	EET EDI	10/13/22 12:36
Total/NA	Analysis	SM 2540G		1	871494	PLS	EET EDI	10/12/22 12:44
Total/NA	Analysis	D422		1	184966	MAP	EET BUR	10/20/22 17:16

# Lab Chronicle

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-20-C**

**Date Collected: 10/10/22 12:50**

**Date Received: 10/10/22 20:00**

**Lab Sample ID: 460-267197-2**

**Matrix: Solid**

**Percent Solids: 85.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			871330	ARA	EET EDI	10/11/22 16:59
Total/NA	Analysis	8270E		1	871381	MME	EET EDI	10/12/22 06:45
Total/NA	Prep	3546			871329	ARA	EET EDI	10/11/22 16:56
Total/NA	Analysis	8081B		1	871408	FAM	EET EDI	10/12/22 19:21
Total/NA	Prep	3546			871323	ARA	EET EDI	10/11/22 16:33
Total/NA	Analysis	8082A		1	871417	JHP	EET EDI	10/12/22 14:30
Total/NA	Prep	8151A			871480	ZEH	EET EDI	10/12/22 10:43
Total/NA	Analysis	8151A		1	871650	SAK	EET EDI	10/13/22 11:02
Total/NA	Prep	3546			871485	FHW	EET EDI	10/12/22 11:25
Total/NA	Analysis	NJDEP EPH		1	871737	CDC	EET EDI	10/13/22 14:51
Total/NA	Prep	3050B			871442	NNW	EET EDI	10/12/22 08:54
Total/NA	Analysis	6020B		1	871758	CDC	EET EDI	10/13/22 11:24
Total/NA	Prep	7471B			871385	TJS	EET EDI	10/12/22 00:34
Total/NA	Analysis	7471B		1	871401	TJS	EET EDI	10/12/22 05:58
Total/NA	Prep	9012B			871580	VBG	EET EDI	10/12/22 18:56
Total/NA	Analysis	9012B		1	871605	VBG	EET EDI	10/12/22 21:56

**Client Sample ID: B-21-G**

**Date Collected: 10/10/22 13:10**

**Date Received: 10/10/22 20:00**

**Lab Sample ID: 460-267197-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871618	BJB	EET EDI	10/13/22 01:21 - 10/14/22 03:00 <sup>1</sup>
TCLP	Analysis	8260D		10	871882	CJM	EET EDI	10/14/22 16:36
Total/NA	Analysis	Moisture		1	871274	MVA	EET EDI	10/11/22 12:20

**Client Sample ID: B-21-G**

**Date Collected: 10/10/22 13:10**

**Date Received: 10/10/22 20:00**

**Lab Sample ID: 460-267197-3**

**Matrix: Solid**

**Percent Solids: 86.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			871378	JJC	EET EDI	10/11/22 22:52
Total/NA	Analysis	8260D		1	871525	AAT	EET EDI	10/12/22 23:08

**Client Sample ID: B-21-C**

**Date Collected: 10/10/22 13:40**

**Date Received: 10/10/22 20:00**

**Lab Sample ID: 460-267197-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871709	SXS	EET EDI	10/13/22 10:00
TCLP	Analysis	8270E		1	871814	MME	EET EDI	10/13/22 22:36
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871467	ZEH	EET EDI	10/13/22 09:57
TCLP	Analysis	8081B		1	871865	FAM	EET EDI	10/14/22 04:59

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# Lab Chronicle

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

**Date Collected: 10/10/22 13:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	8151A			871479	ZEH	EET EDI	10/13/22 10:13
TCLP	Analysis	8151A		1	871895	SAK	EET EDI	10/14/22 08:46
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3010A			871778	VAP	EET EDI	10/13/22 15:15
TCLP	Analysis	6020B		10	872019	VAD	EET EDI	10/14/22 12:34
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	7470A			871740	RBS	EET EDI	10/13/22 12:18
TCLP	Analysis	7470A		1	871797	RBS	EET EDI	10/13/22 15:39
Total/NA	Analysis	1030		1	872023	YAH	EET EDI	10/14/22 16:22
Total/NA	Prep	7.3.3			871761	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9014		1	871765	HTV	EET EDI	10/13/22 12:00
Total/NA	Prep	7.3.4			871759	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9034		1	871763	HTV	EET EDI	10/13/22 12:00
Total/NA	Analysis	9045D		1	872026	YAH	EET EDI	10/14/22 16:38
Total/NA	Analysis	9095B		1	872018	YAH	EET EDI	10/14/22 14:20
Total/NA	Analysis	Moisture		1	871744	RLL	EET EDI	10/13/22 12:36
Total/NA	Analysis	SM 2540G		1	871494	PLS	EET EDI	10/12/22 12:44
Total/NA	Analysis	D422		1	184966	MAP	EET BUR	10/20/22 17:18

**Client Sample ID: B-21-C**

**Lab Sample ID: 460-267197-4**

**Date Collected: 10/10/22 13:40**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 87.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			871330	ARA	EET EDI	10/11/22 16:59
Total/NA	Analysis	8270E		1	871381	MME	EET EDI	10/12/22 07:08
Total/NA	Prep	3546			871329	ARA	EET EDI	10/11/22 16:56
Total/NA	Analysis	8081B		1	871408	FAM	EET EDI	10/12/22 19:36
Total/NA	Prep	3546			871323	ARA	EET EDI	10/11/22 16:33
Total/NA	Analysis	8082A		1	871417	JHP	EET EDI	10/12/22 14:46
Total/NA	Prep	8151A			871480	ZEH	EET EDI	10/12/22 10:43
Total/NA	Analysis	8151A		1	871650	SAK	EET EDI	10/13/22 11:16
Total/NA	Prep	3546			871485	FHW	EET EDI	10/12/22 11:25
Total/NA	Analysis	NJDEP EPH		1	871737	CDC	EET EDI	10/13/22 15:06
Total/NA	Prep	3050B			871442	NNW	EET EDI	10/12/22 08:54
Total/NA	Analysis	6020B		1	871758	CDC	EET EDI	10/13/22 11:26
Total/NA	Prep	7471B			871385	TJS	EET EDI	10/12/22 00:34
Total/NA	Analysis	7471B		1	871401	TJS	EET EDI	10/12/22 06:00
Total/NA	Prep	9012B			871580	VBG	EET EDI	10/12/22 18:56
Total/NA	Analysis	9012B		1	871605	VBG	EET EDI	10/12/22 21:59

# Lab Chronicle

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

## Client Sample ID: B-18-G

Date Collected: 10/10/22 14:20

Date Received: 10/10/22 20:00

## Lab Sample ID: 460-267197-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871618	BJB	EET EDI	10/13/22 01:21 - 10/14/22 03:00 <sup>1</sup>
TCLP	Analysis	8260D		10	871882	CJM	EET EDI	10/14/22 17:01
Total/NA	Analysis	Moisture		1	871274	MVA	EET EDI	10/11/22 12:20

## Client Sample ID: B-18-G

Date Collected: 10/10/22 14:20

Date Received: 10/10/22 20:00

## Lab Sample ID: 460-267197-5

Matrix: Solid

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			871378	JJC	EET EDI	10/11/22 22:52
Total/NA	Analysis	8260D		1	871630	AAT	EET EDI	10/13/22 14:39

## Client Sample ID: B-18-C

Date Collected: 10/10/22 14:45

Date Received: 10/10/22 20:00

## Lab Sample ID: 460-267197-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871709	SXS	EET EDI	10/13/22 10:00
TCLP	Analysis	8270E		1	871814	MME	EET EDI	10/13/22 22:57
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871467	ZEH	EET EDI	10/13/22 09:57
TCLP	Analysis	8081B		1	871865	FAM	EET EDI	10/14/22 05:14
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	8151A			871479	ZEH	EET EDI	10/13/22 10:13
TCLP	Analysis	8151A		1	871895	SAK	EET EDI	10/14/22 08:59
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3010A			871778	VAP	EET EDI	10/13/22 15:15
TCLP	Analysis	6020B		10	872019	VAD	EET EDI	10/14/22 12:37
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	7470A			871740	RBS	EET EDI	10/13/22 12:18
TCLP	Analysis	7470A		1	871797	RBS	EET EDI	10/13/22 15:41
Total/NA	Analysis	1030		1	872023	YAH	EET EDI	10/14/22 16:22
Total/NA	Prep	7.3.3			871761	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9014		1	871765	HTV	EET EDI	10/13/22 12:00
Total/NA	Prep	7.3.4			871759	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9034		1	871763	HTV	EET EDI	10/13/22 12:00
Total/NA	Analysis	9045D		1	872026	YAH	EET EDI	10/14/22 16:38
Total/NA	Analysis	9095B		1	872018	YAH	EET EDI	10/14/22 14:25
Total/NA	Analysis	Moisture		1	871744	RLL	EET EDI	10/13/22 12:45
Total/NA	Analysis	SM 2540G		1	871494	PLS	EET EDI	10/12/22 12:44
Total/NA	Analysis	D422		1	184966	MAP	EET BUR	10/20/22 17:19

# Lab Chronicle

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-18-C**

**Lab Sample ID: 460-267197-6**

**Date Collected: 10/10/22 14:45**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			871330	ARA	EET EDI	10/11/22 16:59
Total/NA	Analysis	8270E		1	871381	MME	EET EDI	10/12/22 07:31
Total/NA	Prep	3546			871329	ARA	EET EDI	10/11/22 16:56
Total/NA	Analysis	8081B		1	871408	FAM	EET EDI	10/12/22 19:51
Total/NA	Prep	3546			871323	ARA	EET EDI	10/11/22 16:33
Total/NA	Analysis	8082A		1	871417	JHP	EET EDI	10/12/22 15:03
Total/NA	Prep	8151A			871480	ZEH	EET EDI	10/12/22 10:43
Total/NA	Analysis	8151A		1	871650	SAK	EET EDI	10/13/22 11:29
Total/NA	Prep	3546			871485	FHW	EET EDI	10/12/22 11:25
Total/NA	Analysis	NJDEP EPH		1	871737	CDC	EET EDI	10/13/22 15:21
Total/NA	Prep	3050B			871442	NNW	EET EDI	10/12/22 08:54
Total/NA	Analysis	6020B		1	871758	CDC	EET EDI	10/13/22 11:29
Total/NA	Prep	7471B			871385	TJS	EET EDI	10/12/22 00:34
Total/NA	Analysis	7471B		1	871401	TJS	EET EDI	10/12/22 06:02
Total/NA	Prep	9012B			871580	VBG	EET EDI	10/12/22 18:56
Total/NA	Analysis	9012B		1	871605	VBG	EET EDI	10/12/22 22:00

**Client Sample ID: B-19-G**

**Lab Sample ID: 460-267197-7**

**Date Collected: 10/10/22 15:15**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871618	BJB	EET EDI	10/13/22 01:21 - 10/14/22 03:00 <sup>1</sup>
TCLP	Analysis	8260D		10	871882	CJM	EET EDI	10/14/22 17:26
Total/NA	Analysis	Moisture		1	871274	MVA	EET EDI	10/11/22 12:20

**Client Sample ID: B-19-G**

**Lab Sample ID: 460-267197-7**

**Date Collected: 10/10/22 15:15**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 88.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			871378	JJC	EET EDI	10/11/22 22:52
Total/NA	Analysis	8260D		1	871630	AAT	EET EDI	10/13/22 15:01

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

**Date Collected: 10/10/22 15:25**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871709	SXS	EET EDI	10/13/22 10:00
TCLP	Analysis	8270E		1	871814	MME	EET EDI	10/13/22 23:18
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3510C			871467	ZEH	EET EDI	10/13/22 09:57
TCLP	Analysis	8081B		1	871865	FAM	EET EDI	10/14/22 05:29

Eurofins Edison

# Lab Chronicle

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

**Date Collected: 10/10/22 15:25**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	8151A			871479	ZEH	EET EDI	10/13/22 10:13
TCLP	Analysis	8151A		1	871895	SAK	EET EDI	10/14/22 09:13
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	3010A			871778	VAP	EET EDI	10/13/22 15:15
TCLP	Analysis	6020B		10	872019	VAD	EET EDI	10/14/22 12:39
TCLP	Leach	1311			871543	YAH	EET EDI	10/12/22 16:00 - 10/13/22 08:00 <sup>1</sup>
TCLP	Prep	7470A			871740	RBS	EET EDI	10/13/22 12:18
TCLP	Analysis	7470A		1	871797	RBS	EET EDI	10/13/22 15:42
Total/NA	Analysis	1030		1	872023	YAH	EET EDI	10/14/22 16:22
Total/NA	Prep	7.3.3			871761	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9014		1	871765	HTV	EET EDI	10/13/22 12:00
Total/NA	Prep	7.3.4			871759	HTV	EET EDI	10/13/22 10:00
Total/NA	Analysis	9034		1	871763	HTV	EET EDI	10/13/22 12:00
Total/NA	Analysis	9045D		1	872026	YAH	EET EDI	10/14/22 16:38
Total/NA	Analysis	9095B		1	872018	YAH	EET EDI	10/14/22 14:30
Total/NA	Analysis	Moisture		1	871744	RLL	EET EDI	10/13/22 12:45
Total/NA	Analysis	SM 2540G		1	871494	PLS	EET EDI	10/12/22 12:44
Total/NA	Analysis	D422		1	184966	MAP	EET BUR	10/20/22 17:21

**Client Sample ID: B-19-C**

**Lab Sample ID: 460-267197-8**

**Date Collected: 10/10/22 15:25**

**Matrix: Solid**

**Date Received: 10/10/22 20:00**

**Percent Solids: 85.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			871330	ARA	EET EDI	10/11/22 16:59
Total/NA	Analysis	8270E		1	871381	MME	EET EDI	10/12/22 07:54
Total/NA	Prep	3546			871329	ARA	EET EDI	10/11/22 16:56
Total/NA	Analysis	8081B		1	871408	FAM	EET EDI	10/12/22 20:05
Total/NA	Prep	3546			871323	ARA	EET EDI	10/11/22 16:33
Total/NA	Analysis	8082A		1	871417	JHP	EET EDI	10/12/22 15:20
Total/NA	Prep	8151A			871480	ZEH	EET EDI	10/12/22 10:43
Total/NA	Analysis	8151A		1	871650	SAK	EET EDI	10/13/22 11:43
Total/NA	Prep	3546			871485	FHW	EET EDI	10/12/22 11:25
Total/NA	Analysis	NJDEP EPH		1	871737	CDC	EET EDI	10/13/22 15:36
Total/NA	Prep	3050B			871442	NNW	EET EDI	10/12/22 08:54
Total/NA	Analysis	6020B		1	871758	CDC	EET EDI	10/13/22 11:31
Total/NA	Prep	7471B			871385	TJS	EET EDI	10/12/22 00:34
Total/NA	Analysis	7471B		1	871401	TJS	EET EDI	10/12/22 06:04
Total/NA	Prep	9012B			871580	VBG	EET EDI	10/12/22 18:56
Total/NA	Analysis	9012B		1	871605	VBG	EET EDI	10/12/22 22:00

<sup>1</sup> Completion dates and times are reported or not reported per method requirements or individual lab discretion.

# Lab Chronicle

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

**Laboratory References:**

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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# Accreditation/Certification Summary

Client: Montrose Environmental Solutions Inc  
 Project/Site: Yaffa

Job ID: 460-267197-1

## Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	68-00522	02-28-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	1,2-Diphenylhydrazine
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Corrosivity
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NJDEP EPH	3546	Solid	Total EPH (C9-C40)
SM 2540G		Solid	Total Volatile Solids

## Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-23
Florida	NELAP	E87467	06-30-23
Minnesota	NELAP	050-999-436	12-31-22
New Hampshire	NELAP	2006	12-18-22
New Jersey	NELAP	VT972	06-30-23
New York	NELAP	10391	04-01-23
Pennsylvania	NELAP	68-00489	04-30-23
Rhode Island	State	LAO00298	12-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-23
Virginia	NELAP	460209	12-14-22
Wisconsin	State	399133350	08-31-23

# Method Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
8151A	Herbicides (GC)	SW846	EET EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
1030	Ignitability, Solids	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable	SW846	EET EDI
9014	Cyanide, Reactive	SW846	EET EDI
9034	Sulfide, Reactive	SW846	EET EDI
9045D	pH	SW846	EET EDI
9095B	Paint Filter	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	EET EDI
D422	Grain Size	ASTM	EET BUR
1311	TCLP Extraction	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7.3.3	Cyanide, Reactive	SW846	EET EDI
7.3.4	Sulfide, Reactive	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI
8151A	Extraction (Herbicides)	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

#### Protocol References:

ASTM = ASTM International  
 EPA = US Environmental Protection Agency  
 NJDEP = New Jersey Department of Environmental Protection  
 SM = "Standard Methods For The Examination Of Water And Wastewater"  
 SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990  
 EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

# Sample Summary

Client: Montrose Environmental Solutions Inc  
Project/Site: Yaffa

Job ID: 460-267197-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-267197-1	B-20-G	Solid	10/10/22 12:40	10/10/22 20:00
460-267197-2	B-20-C	Solid	10/10/22 12:50	10/10/22 20:00
460-267197-3	B-21-G	Solid	10/10/22 13:10	10/10/22 20:00
460-267197-4	B-21-C	Solid	10/10/22 13:40	10/10/22 20:00
460-267197-5	B-18-G	Solid	10/10/22 14:20	10/10/22 20:00
460-267197-6	B-18-C	Solid	10/10/22 14:45	10/10/22 20:00
460-267197-7	B-19-G	Solid	10/10/22 15:15	10/10/22 20:00
460-267197-8	B-19-C	Solid	10/10/22 15:25	10/10/22 20:00

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Edison, NJ 08817-2859  
phone 732.549.3900 fax 732.549.3679

**South Jersey Service Center**  
372

Eurofins Environment Testing America

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Chris Valligny  
Email: C. Valligny@A. Graham  
Tel/Fax:

Client Contact  
Montrose Environmental Solutions  
1055 Andrew Drive, Suite A  
West Chester, Pa  
(610) 840-9100 Phone  
(xxx) xxx-xxxx FAX  
Project Name: Yafia  
Site:  
P O # 11595-01

Site Contact: Matt Pirulli  
Lab Contact: Kristyn Temp

Date: 10/10/22  
Carrier: Courier

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL Voa + 10 + TCLP Voa	TCL BNA + 20/Pes/Herb + PCB	TAL Metals	NDEP EPH - No Fractionation	Total Cyanide	Total Volatiles Solids/Total Solids	Grain Size/Sieve Analysis D422	TCLP SVOA/Herb/Pes/RCA8	pH/Ignitability/Reactivity	Paint Filter
A-01-G	10/10/22	10:05	G	S	5	N	N	X									
A-01-C	10/10/22	10:15	C	S	5	N	N	X									
A-02-G	10/10/22	10:35	G	S	5	N	N	X									
A-02-C	10/10/22	10:40	C	S	12	N	N	X									
B-20-G	10/10/22	12:40	G	S	5	N	N	X									
B-20-C	10/10/22	12:50	C	S	12	N	N	X									
B-21-G	10/10/22	13:10	G	S	5	N	N	X									
B-21-C	10/10/22	13:40	C	S	12	N	N	X									
B-18-G	10/10/22	14:20	G	S	5	N	N	X									
B-18-C	10/10/22	14:45	C	S	12	N	N	X									
B-19-G	10/10/22	15:15	G	S	5	N	N	X									
B-19-C	10/10/22	15:25	C	S	12	N	N	X									

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other\_MeOH

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return to Client  Disposal by



460-267197 Chain of Custody

Custody Seal No.:  
Relinquished by: *Math R-ll*  
Relinquished by: *[Signature]*  
Relinquished by: *[Signature]*

Company: *Montrose*  
Company: *[Signature]*  
Company: *EPA*

Date/Time: 10/10/22 15:30  
Date/Time: 10/10/22 16:20  
Date/Time: 10/19/22

Received by: *[Signature]*  
Received by: *[Signature]*  
Received Laboratory by: *[Signature]*

Company: *[Signature]*  
Company: *[Signature]*  
Company: *[Signature]*

Therm ID No.:  
Date/Time: 10/10/22 1530  
Date/Time:  
Date/Time:



Eurofins TestAmerica Edison  
Receipt Temperature and pH Log

Job Number: 267197

Number of Coolers: 2

IR Gun # 10

Cooler Temperatures

	RAW	CORRECTED	RAW	CORRECTED
Cooler #1:	3.6°C	3.6°C	Cooler #7:	°C
Cooler #2:	4.1°C	4.1°C	Cooler #8:	°C
Cooler #3:	°C	°C	Cooler #9:	°C

TALS Sample Number

	Ammonia (pH<2)	Nitrate Nitrite (pH<2)	Metals (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: \_\_\_\_\_  
 Preservative Name/Conc.: \_\_\_\_\_  
 Lot # of Preservative(s): \_\_\_\_\_  
 Volume of Preservative used (ml): \_\_\_\_\_  
 Expiration Date: \_\_\_\_\_

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.  
 \* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: [Signature] Date: 10/10/22



**Eurofins Edison**  
 777 New Durham Road  
 Edison, NJ 08817  
 Phone 732-549-3900 Fax: 732-549-3679

# Chain of Custody Record

**eurofins** | Environment Testing  
 America



460-267197 Chain of Custody

**Client Information (Sub Contract Lab)**

Client Contact: **Tempe, Kristyn L**  
 Shipping/Receiving  
 Company: **TestAmerica Laboratories, Inc.**  
 Address: **530 Community Drive, Suite 11, South Burlington, VT, 05403**  
 Phone: **802-660-1990(Tel) 802-660-1919(Fax)**  
 Email: **Tempe, Kristyn L**  
 Project #: **46039019**  
 Site: **Yafifa**

COC No: **460-66516 1**  
 Page: **Page 1 of 1**  
 Job #: **460-267197-1**

**Due Date Requested:** 10/14/2022  
**TAT Requested (days):**  
**PO #**  
**WO #**  
**Project #** 46039019  
**SSOW#**

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D422 Grain Size (Sieve Only)	Analysis Requested	Total Number of Containers	Special Instructions/Note:
B-20-C (460-267197-2)	10/10/22	12:50 Eastern	Solid	Solid	X	X	X		1	
B-21-C (460-267197-4)	10/10/22	13:40 Eastern	Solid	Solid	X	X	X		1	
B-18-C (460-267197-6)	10/10/22	14:45 Eastern	Solid	Solid	X	X	X		1	
B-19-C (460-267197-8)	10/10/22	15:25 Eastern	Solid	Solid	X	X	X		1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

**Possible Hazard Identification**  
 Unconfirmed  
 Return To Client  
 Disposal By Lab  
 Archive For \_\_\_\_\_ Months  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_  
 Special Instructions/QC Requirements

**Empty Kit Relinquished by** \_\_\_\_\_  
**Relinquished by** \_\_\_\_\_  
**Relinquished by** \_\_\_\_\_  
**Relinquished by** \_\_\_\_\_  
**Custody Seals Intact:**  Yes  No  
**Custody Seal No** \_\_\_\_\_  
**Received by** \_\_\_\_\_  
**Received by** \_\_\_\_\_  
**Received by** \_\_\_\_\_  
**Received by** \_\_\_\_\_  
**Date/Time** 10/11/22 1800  
**Date/Time** 10/12/2022 1300  
**Date/Time** \_\_\_\_\_  
**Date/Time** \_\_\_\_\_  
**Date/Time** \_\_\_\_\_  
**Company** **ETA Sur1**  
**Company** \_\_\_\_\_  
**Company** \_\_\_\_\_  
**Company** \_\_\_\_\_  
**Method of Shipment:** \_\_\_\_\_  
**Primary Deliverable Rank** 1

Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_



KENNETH RIVERA  
9083715235  
EUROFINS EDISON  
777 NEW DURHAM ROAD  
EDISON NJ 08817

**SHIP TO:**  
SAMPLE RECEIVING  
8026551203  
EUROFINS BURLINGTON  
530 COMMUNITY DRIVE  
**SOUTH BURLINGTON VT 05403**

**14 LBS**

**2 OF 2**

**VT 054 0-02**

**UPS NEXT DAY AIR**  
TRACKING #: 1Z73R 91R 019680 3847

**BILLING: P/P**

XOL 22-10-08 NV45 42 DA 10/2022\*

KENNETH RIVERA  
9083615236  
EUROFINS EDISON  
777 NEW DURHAM ROAD  
EDISON NJ 08817

**SHIP TO:**  
SAMPLE RECEIVING  
8026551203  
EUROFINS BURLINGTON  
530 COMMUNITY DRIVE  
**SOUTH BURLINGTON VT 05403**

**52 LBS** AH

**1 OF 2**

**VT 054 0-02**

**UPS NEXT DAY AIR**  
TRACKING #: 1Z73R 91R 01 9634 3433

**BILLING: P/P**

XOL 22-10-08 NV45 42 DA 10/2022\*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Login Sample Receipt Checklist

Client: Montrose Environmental Solutions Inc

Job Number: 460-267197-1

**Login Number: 267197**

**List Number: 1**

**Creator: Lysy, Susan**

**List Source: Eurofins Edison**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	





# Login Sample Receipt Checklist

Client: Montrose Environmental Solutions Inc

Job Number: 460-267197-1

**Login Number: 267197**

**List Number: 2**

**Creator: Reynolds, Jamie K**

**List Source: Eurofins Burlington**

**List Creation: 10/13/22 09:23 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1861123, 1861124
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1°C, 19.3°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

