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ANALYTICAL REPORT

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Laboratory Job ID: 460-267687-1
Client Project/Site: Yaffa Project

For:
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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
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.
¤	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)

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

Job ID: 460-267687-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: Montrose Environmental Solutions Inc

Project: Yaffa Project

Report Number: 460-267687-1

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 10/13/2022 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 3 coolers at receipt time were 3.9º C, 4.1º C and 4.6º C.

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 C-01-G (460-267687-1) and C-02-G (460-267687-3) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 10/16/2022 and analyzed on 10/19/2022.

Samples C-01-G (460-267687-1) and C-02-G (460-267687-3) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the TCLP volatiles analysis.

All quality control parameters were within the acceptance limits.

2-Hexanone, Bromoform, Carbon disulfide, Carbon tetrachloride and Chlorodibromomethane failed the recovery criteria high for LCS 460-872776/4. 1,1,1-Trichloroethane, 2-Hexanone, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorodibromomethane and Dichlorobromomethane failed the recovery criteria high for LCSD 460-872776/5. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples C-01-G (460-267687-1) and C-02-G (460-267687-3) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 10/16/2022 and analyzed on 10/19/2022.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-267687-1 (Continued)

Laboratory: Eurofins Edison (Continued)

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample Trip blank (460-267687-5) was analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 10/17/2022.

1,2,3-Trichlorobenzene was detected in method blank MB 460-872321/8 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

1,4-Dioxane and TBA failed the recovery criteria high for LCS 460-872321/3. 1,4-Dioxane and TBA exceeded the RPD limit for LCSD 460-872321/6. Refer to the QC report for details.

The continuing calibration verification (CCV) associated with batch 460-872776 recovered above the upper control limit for 1,1-Dichloroethene, 1,1,1-Trichloroethane, Carbon tetrachloride, Bromoform 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 C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 10/16/2022, prepared on 10/18/2022 and analyzed on 10/19/2022.

No difficulties were encountered during the TCLP herbicides analysis.

All quality control parameters were within the acceptance limits.

2,4,5-T, 2,4-D and Silvex (2,4,5-TP) failed the recovery criteria high for LCS 460-872599/2-A. 2,4,5-T, 2,4-D and Silvex (2,4,5-TP) exceeded the RPD limit for LCSD 460-872599/3-A. Refer to the QC report for details.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 10/16/2022, prepared on 10/17/2022 and analyzed on 10/18/2022.

No difficulties were encountered during the TCLP semivolatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 10/18/2022 and analyzed on 10/19/2022.

The continuing calibration verification (CCV) analyzed in batch 460-872763 was outside the method criteria for the following analyte(s): Hexachlorocyclopentadiene, N-Nitrosodimethylamine, Benzaldehyde, 2-Nitroaniline and 4-Nitrophenol. 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 difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-267687-1 (Continued)

Laboratory: Eurofins Edison (Continued)

TCLP PESTICIDES
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 10/16/2022, prepared on 10/17/2022 and analyzed on 10/18/2022.

No difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 10/19/2022 and analyzed on 10/20/2022.

The continuing calibration verification (CCV) associated with batch 460-872514 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 460-872514/7).

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 10/14/2022 and analyzed on 10/17/2022.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared and analyzed on 10/19/2022.

The laboratory control sample (LCS) and 2,4-D, Silvex (2,4,5-TP) and 2,4,5-T laboratory control sample duplicate (LCSD) for preparation batch 460-872599 and analytical batch 460-872764 recovered outside control limits for the following analytes: <AffectedAnalytes>. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared and analyzed on 10/19/2022.

1-Chlorooctadecane failed the surrogate recovery criteria high for LCS 460-872822/2-A. 1-Chlorooctadecane failed the surrogate recovery criteria high for LCSD 460-872822/3-A. Refer to the QC report for details.

Surrogate 1-Chlorooctadecane recovery was outside the control limits (biased high). Surrogate o-Terphenyl was within control limits. Data have been reported.
(LCS 460-872822/2-A) and (LCSD 460-872822/3-A)

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-267687-1 (Continued)

Laboratory: Eurofins Edison (Continued)

METALS - TCLP

Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Metals - TCLP in accordance with EPA SW-846 Method 6020B - TCLP/1311. The samples were leached on 10/16/2022, prepared on 10/18/2022 and analyzed on 10/19/2022.

No difficulties were encountered during the TCLP Metals analysis.

All quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)

Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared on 10/16/2022 and analyzed on 10/18/2022.

Iron failed the recovery criteria low for the MS of sample 460-267445-16 in batch 460-872642. Aluminum failed the recovery criteria high.

Refer to the QC report for details.

For the duplicate of sample 460-267445-16. Refer to the QC report for details.

Sample C-01-C (460-267687-2)[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TCLP

Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Mercury - TCLP in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 10/16/2022, and prepared and analyzed on 10/18/2022.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

MERCURY - TOTAL

Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 10/19/2022.

Mercury failed the recovery criteria low for the MS of sample C-01-CMS (460-267687-2) in batch 460-872742.

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 Hg analysis.

All other quality control parameters were within the acceptance limits.

IGNITABILITY

Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 10/19/2022.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-267687-1 (Continued)

Laboratory: Eurofins Edison (Continued)

TOTAL SOLIDS
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Total Solids in accordance with SM 2540G. The samples were analyzed on 10/19/2022.

No difficulties were encountered during the TS analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 10/19/2022 and analyzed on 10/20/2022.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 10/20/2022.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 10/20/2022.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 10/19/2022.

The following samples were not filtered within 15 minutes of sample collection as required by the method: C-01-C (460-267687-2), C-02-C (460-267687-4), (200-65234-A-1) and (200-65234-A-1 DU). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported.
No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

PAINT FILTER
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 10/19/2022.

No difficulties were encountered during the Free Liquids analysis.

All quality control parameters were within the acceptance limits.

D422 GRAIN SIZE
Samples C-01-C (460-267687-2) and C-02-C (460-267687-4) were analyzed for D422 grain size in accordance with D422 grain size. The samples were analyzed on 11/08/2022.

Job ID: 460-267687-1 (Continued)

Laboratory: Eurofins Edison (Continued)

No difficulties were encountered during the D422 grain size analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples C-01-G (460-267687-1), C-01-C (460-267687-2), C-02-G (460-267687-3) and C-02-C (460-267687-4) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 10/17/2022 and 10/18/2022.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-267096-5. Refer to the QC report for details.

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

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: C-01-G — Lab Sample ID: 460-267687-1

No Detections.

Client Sample ID: C-01-C — Lab Sample ID: 460-267687-2

Sample Analysis Not Complete.

Client Sample ID: C-02-G — Lab Sample ID: 460-267687-3

No Detections.

Client Sample ID: C-02-C — Lab Sample ID: 460-267687-4

Sample Analysis Not Complete.

Client Sample ID: Trip blank — Lab Sample ID: 460-267687-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.48	J	1.0	0.40	ug/L	1		8260D	Total/NA
Acetone	8.6		5.0	4.4	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: C-01-G
Date Collected: 10/13/22 13:15
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-1
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00047	U	0.0011	0.00047	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Bromomethane	0.0011	U	0.0022	0.0011	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Vinyl chloride	0.00059	U	0.0011	0.00059	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Chloroethane	0.00057	U	0.0011	0.00057	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Methylene Chloride	0.0012	U	0.0022	0.0012	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Acetone	0.0062	U	0.0065	0.0062	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Carbon disulfide	0.00029	U *+	0.0011	0.00029	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Trichlorofluoromethane	0.00044	U	0.0011	0.00044	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,1-Dichloroethene	0.00024	U	0.0011	0.00024	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,1-Dichloroethane	0.00022	U	0.0011	0.00022	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
trans-1,2-Dichloroethene	0.00027	U	0.0011	0.00027	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
cis-1,2-Dichloroethene	0.00039	U	0.0011	0.00039	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,2-Dichloroethane	0.00032	U	0.0011	0.00032	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
2-Butanone (MEK)	0.00040	U	0.0054	0.00040	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,1,1-Trichloroethane	0.00025	U *+	0.0011	0.00025	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Carbon tetrachloride	0.00042	U *+	0.0011	0.00042	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Dichlorobromomethane	0.00028	U *+	0.0011	0.00028	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,2-Dichloropropane	0.00046	U	0.0011	0.00046	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
cis-1,3-Dichloropropene	0.00030	U	0.0011	0.00030	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Trichloroethene	0.00035	U	0.0011	0.00035	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Chlorodibromomethane	0.00021	U *+	0.0011	0.00021	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,1,2-Trichloroethane	0.00019	U	0.0011	0.00019	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Benzene	0.00028	U	0.0011	0.00028	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
trans-1,3-Dichloropropene	0.00029	U	0.0011	0.00029	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Bromoform	0.00046	U *+	0.0011	0.00046	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
4-Methyl-2-pentanone (MIBK)	0.0017	U	0.0054	0.0017	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
2-Hexanone	0.0019	U *+	0.0054	0.0019	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Tetrachloroethene	0.00033	U	0.0011	0.00033	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,1,2,2-Tetrachloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Toluene	0.00025	U	0.0011	0.00025	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Chlorobenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Ethylbenzene	0.00022	U	0.0011	0.00022	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Styrene	0.00030	U	0.0011	0.00030	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
m-Xylene & p-Xylene	0.00019	U	0.0011	0.00019	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
o-Xylene	0.00021	U	0.0011	0.00021	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Acrolein	0.030	U	0.11	0.030	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00033	U	0.0011	0.00033	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
TBA	0.0085	U	0.011	0.0085	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Acrylonitrile	0.0053	U	0.011	0.0053	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Methyl tert-butyl ether	0.00056	U	0.0011	0.00056	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Cyclohexane	0.00024	U	0.0011	0.00024	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Ethylene Dibromide	0.00020	U	0.0011	0.00020	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,3-Dichlorobenzene	0.00040	U	0.0011	0.00040	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,4-Dichlorobenzene	0.00024	U	0.0011	0.00024	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,2-Dichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Dichlorodifluoromethane	0.00037	U	0.0011	0.00037	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,2,4-Trichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1

Client Sample ID: C-01-G

Lab Sample ID: 460-267687-1

Date Collected: 10/13/22 13:15

Matrix: Solid

Date Received: 10/13/22 20:00

Percent Solids: 90.8

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	0.00020	U	0.0011	0.00020	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
1,2-Dibromo-3-Chloropropane	0.00050	U	0.0011	0.00050	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Chlorobromomethane	0.00030	U	0.0011	0.00030	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Isopropylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Methyl acetate	0.0047	U	0.0054	0.0047	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1
Methylcyclohexane	0.00054	U	0.0011	0.00054	mg/Kg	☼	10/16/22 10:49	10/19/22 13:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*10/16/22 10:49*	*10/19/22 13:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 145*	*10/16/22 10:49*	*10/19/22 13:05*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*10/16/22 10:49*	*10/19/22 13:05*	*1*
4-Bromofluorobenzene	*95*		*75 - 139*	*10/16/22 10:49*	*10/19/22 13:05*	*1*
Dibromofluoromethane (Surr)	*109*		*73 - 139*	*10/16/22 10:49*	*10/19/22 13:05*	*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			10/19/22 16:05	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/19/22 16:05	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/19/22 16:05	10
Benzene	0.0020	U	0.010	0.0020	mg/L			10/19/22 16:05	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/19/22 16:05	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/19/22 16:05	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/19/22 16:05	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/19/22 16:05	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/19/22 16:05	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/19/22 16:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 128*		*10/19/22 16:05*	*10*
4-Bromofluorobenzene	*94*		*76 - 120*		*10/19/22 16:05*	*10*
Dibromofluoromethane (Surr)	*112*		*77 - 124*		*10/19/22 16:05*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/19/22 16:05*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.2**		1.0	1.0	%			10/18/22 16:25	1
Percent Solids (EPA Moisture)	**90.8**		1.0	1.0	%			10/18/22 16:25	1

Client Sample ID: C-01-C

Lab Sample ID: 460-267687-2

Date Collected: 10/13/22 00:00

Matrix: Solid

Date Received: 10/13/22 20:00

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.013	U	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2-Chlorophenol	0.013	U	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2-Methylphenol	0.014	U	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4-Methylphenol	0.023	U	0.37	0.023	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2-Nitrophenol	0.037	U	0.37	0.037	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: C-01-C
Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-2
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.044	U	0.37	0.044	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,4-Dichlorophenol	0.024	U	0.15	0.024	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4-Chloro-3-methylphenol	0.021	U	0.37	0.021	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,4,6-Trichlorophenol	0.047	U	0.15	0.047	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,4,5-Trichlorophenol	0.037	U	0.37	0.037	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,4-Dinitrotoluene	0.039	U	0.074	0.039	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4-Nitrophenol	0.060	U	0.74	0.060	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4,6-Dinitro-2-methylphenol	0.15	U	0.29	0.15	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Pentachlorophenol	0.075	U	0.29	0.075	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
N-Nitrosodimethylamine	0.034	U	0.37	0.034	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Bis(2-chloroethyl)ether	0.013	U	0.037	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
N-Nitrosodi-n-propylamine	0.027	U	0.037	0.027	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Hexachloroethane	0.013	U	0.037	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Nitrobenzene	0.020	U	0.037	0.020	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Naphthalene	0.0063	U	0.37	0.0063	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4-Chloroaniline	0.065	U	0.37	0.065	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Hexachlorobutadiene	0.0078	U	0.074	0.0078	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2-Methylnaphthalene	0.010	U	0.37	0.010	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Hexachlorocyclopentadiene	0.032	U	0.37	0.032	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2-Chloronaphthalene	0.017	U	0.37	0.017	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2-Nitroaniline	0.028	U	0.37	0.028	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Dimethyl phthalate	0.083	U	0.37	0.083	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Acenaphthylene	0.010	U	0.37	0.010	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,6-Dinitrotoluene	0.026	U	0.074	0.026	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
3-Nitroaniline	0.087	U	0.37	0.087	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Acenaphthene	0.010	U	0.37	0.010	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Dibenzofuran	0.012	U	0.37	0.012	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,4-Dinitrophenol	0.18	U	0.29	0.18	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Diethyl phthalate	0.012	U	0.37	0.012	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4-Chlorophenyl phenyl ether	0.013	U	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Fluorene	0.011	U	0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4-Nitroaniline	0.042	U	0.37	0.042	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
N-Nitrosodiphenylamine	0.030	U	0.37	0.030	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
4-Bromophenyl phenyl ether	0.015	U	0.37	0.015	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Hexachlorobenzene	0.017	U	0.037	0.017	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Phenanthrene	**0.098**	**J**	0.37	0.0064	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Anthracene	**0.029**	**J**	0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Carbazole	0.014	U	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Di-n-butyl phthalate	0.014	U	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Fluoranthene	**0.21**	**J**	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Pyrene	**0.19**	**J**	0.37	0.0091	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Benzidine	0.077	U	0.37	0.077	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Butyl benzyl phthalate	0.017	U	0.37	0.017	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Benzo[a]anthracene	**0.13**		0.037	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Chrysene	**0.12**	**J**	0.37	0.0062	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Bis(2-ethylhexyl) phthalate	0.019	U	0.37	0.019	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Di-n-octyl phthalate	0.019	U	0.37	0.019	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Benzo[b]fluoranthene	**0.11**		0.037	0.0095	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1

Client Sample ID: C-01-C
Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-2
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**0.062**		0.037	0.0072	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Benzo[a]pyrene	**0.087**		0.037	0.0098	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Indeno[1,2,3-cd]pyrene	**0.11**		0.037	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Dibenz(a,h)anthracene	0.016	U	0.037	0.016	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Benzo[g,h,i]perylene	**0.034**	**J**	0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
1,2-Diphenylhydrazine	0.014	U	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
1,1'-Biphenyl	0.013	U	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Acetophenone	0.018	U	0.37	0.018	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Benzaldehyde	0.061	U	0.37	0.061	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Caprolactam	0.057	U	0.37	0.057	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Atrazine	0.022	U	0.15	0.022	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,2'-oxybis[1-chloropropane]	0.0066	U	0.37	0.0066	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
1,2,4,5-Tetrachlorobenzene	0.011	U	0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.37	0.025	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
3,3'-Dichlorobenzidine	0.055	U	0.15	0.055	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1
Bis(2-chloroethoxy)methane	0.029	U	0.37	0.029	mg/Kg	☼	10/18/22 21:12	10/19/22 08:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*10/18/22 21:12*	*10/19/22 08:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*58*		*16 - 125*	*10/18/22 21:12*	*10/19/22 08:44*	*1*
Phenol-d5 (Surr)	*51*		*23 - 120*	*10/18/22 21:12*	*10/19/22 08:44*	*1*
Terphenyl-d14 (Surr)	*70*		*25 - 126*	*10/18/22 21:12*	*10/19/22 08:44*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*10 - 123*	*10/18/22 21:12*	*10/19/22 08:44*	*1*
2-Fluorophenol (Surr)	*53*		*18 - 123*	*10/18/22 21:12*	*10/19/22 08:44*	*1*
2-Fluorobiphenyl	*65*		*22 - 122*	*10/18/22 21:12*	*10/19/22 08:44*	*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		10/17/22 21:26	10/18/22 15:36	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 15:36	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 15:36	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/17/22 21:26	10/18/22 15:36	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 15:36	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 15:36	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/17/22 21:26	10/18/22 15:36	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/17/22 21:26	10/18/22 15:36	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/17/22 21:26	10/18/22 15:36	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/17/22 21:26	10/18/22 15:36	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/17/22 21:26	10/18/22 15:36	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/17/22 21:26	10/18/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*126*		*37 - 150*	*10/17/22 21:26*	*10/18/22 15:36*	*1*
2-Fluorobiphenyl	*128*		*46 - 139*	*10/17/22 21:26*	*10/18/22 15:36*	*1*
2-Fluorophenol (Surr)	*68*		*19 - 80*	*10/17/22 21:26*	*10/18/22 15:36*	*1*
Nitrobenzene-d5 (Surr)	*123*		*52 - 137*	*10/17/22 21:26*	*10/18/22 15:36*	*1*
Phenol-d5 (Surr)	*48*		*10 - 56*	*10/17/22 21:26*	*10/18/22 15:36*	*1*
Terphenyl-d14 (Surr)	*112*		*22 - 150*	*10/17/22 21:26*	*10/18/22 15:36*	*1*

Client Sample ID: C-01-C

Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-2

Matrix: Solid
Percent Solids: 89.8

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0074	0.0013	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
4,4'-DDE	0.00088	U	0.0074	0.00088	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
4,4'-DDT	0.0014	U	0.0074	0.0014	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Aldrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
alpha-BHC	0.00076	U	0.0022	0.00076	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
beta-BHC	0.00083	U	0.0022	0.00083	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Chlordane (technical)	**0.37**		0.074	0.018	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
delta-BHC	0.00046	U	0.0022	0.00046	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Dieldrin	0.00097	U	0.0022	0.00097	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Endosulfan I	0.0011	U	0.0074	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Endosulfan II	0.0019	U	0.0074	0.0019	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Endosulfan sulfate	0.00093	U	0.0074	0.00093	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Endrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Endrin aldehyde	0.0018	U	0.0074	0.0018	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Endrin ketone	0.0014	U	0.0074	0.0014	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
gamma-BHC (Lindane)	0.00069	U	0.0022	0.00069	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Heptachlor	0.00088	U	0.0074	0.00088	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Heptachlor epoxide	0.0011	U	0.0074	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Methoxychlor	0.0017	U	0.0074	0.0017	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1
Toxaphene	0.027	U	0.074	0.027	mg/Kg	☼	10/19/22 18:36	10/20/22 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*43 - 150*	*10/19/22 18:36*	*10/20/22 04:44*	*1*
DCB Decachlorobiphenyl	*82*		*43 - 150*	*10/19/22 18:36*	*10/20/22 04:44*	*1*
Tetrachloro-m-xylene	*80*		*26 - 137*	*10/19/22 18:36*	*10/20/22 04:44*	*1*
Tetrachloro-m-xylene	*74*		*26 - 137*	*10/19/22 18:36*	*10/20/22 04:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	**0.00096**	**J**	0.0050	0.000055	mg/L		10/17/22 21:29	10/18/22 11:38	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 11:38	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/17/22 21:29	10/18/22 11:38	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/17/22 21:29	10/18/22 11:38	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/17/22 21:29	10/18/22 11:38	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 11:38	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/17/22 21:29	10/18/22 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*		*15 - 121*	*10/17/22 21:29*	*10/18/22 11:38*	*1*
DCB Decachlorobiphenyl	*53*		*15 - 121*	*10/17/22 21:29*	*10/18/22 11:38*	*1*
Tetrachloro-m-xylene	*50*		*17 - 120*	*10/17/22 21:29*	*10/18/22 11:38*	*1*
Tetrachloro-m-xylene	*46*		*17 - 120*	*10/17/22 21:29*	*10/18/22 11:38*	*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	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Aroclor 1221	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Aroclor 1232	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Aroclor 1242	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Aroclor 1248	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1

Client Sample ID: C-01-C
Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-2
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Aroclor 1260	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Aroclor-1262	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Aroclor 1268	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1
Polychlorinated biphenyls, Total	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*10/14/22 17:04*	*10/17/22 13:24*	*1*
DCB Decachlorobiphenyl	*118*		*10 - 150*	*10/14/22 17:04*	*10/17/22 13:24*	*1*
Tetrachloro-m-xylene	*89*		*42 - 150*	*10/14/22 17:04*	*10/17/22 13:24*	*1*
Tetrachloro-m-xylene	*112*		*42 - 150*	*10/14/22 17:04*	*10/17/22 13:24*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.013	U	0.037	0.013	mg/Kg	☼	10/19/22 10:36	10/19/22 23:21	1
Silvex (2,4,5-TP)	0.0039	U	0.037	0.0039	mg/Kg	☼	10/19/22 10:36	10/19/22 23:21	1
2,4,5-T	0.0079	U	0.037	0.0079	mg/Kg	☼	10/19/22 10:36	10/19/22 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*91*		*27 - 150*	*10/19/22 10:36*	*10/19/22 23:21*	*1*
2,4-Dichlorophenylacetic acid	*98*		*27 - 150*	*10/19/22 10:36*	*10/19/22 23:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0050	U *1 *+	0.083	0.0050	mg/L		10/18/22 10:44	10/19/22 11:49	1
Silvex (2,4,5-TP)	0.0040	U *1 *+	0.083	0.0040	mg/L		10/18/22 10:44	10/19/22 11:49	1
2,4,5-T	0.0020	U *1 *+	0.083	0.0020	mg/L		10/18/22 10:44	10/19/22 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*99*		*10 - 150*	*10/18/22 10:44*	*10/19/22 11:49*	*1*
2,4-Dichlorophenylacetic acid	*103*		*10 - 150*	*10/18/22 10:44*	*10/19/22 11:49*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**20**		16	16	mg/Kg	☼	10/19/22 09:38	10/19/22 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*40 - 140*	*10/19/22 09:38*	*10/19/22 20:03*	*1*
1-Chlorooctadecane	*72*		*40 - 140*	*10/19/22 09:38*	*10/19/22 20:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.076	U	0.34	0.076	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Aluminum	**24400**		51.0	14.0	mg/Kg	☼	10/16/22 23:00	10/18/22 17:01	3
Arsenic	**4.4**		0.85	0.088	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Barium	**103**		1.7	0.12	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Beryllium	**0.85**		0.34	0.048	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Calcium	**2680**		85.0	15.1	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Cadmium	0.096	U	0.85	0.096	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Cobalt	**10.2**		1.7	0.13	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Chromium	**29.7**		1.7	0.77	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1

Client Sample ID: C-01-C

Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-2

Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	20.6		1.7	0.31	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Iron	25800		51.0	17.2	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Potassium	3600		85.0	13.8	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Magnesium	4470		85.0	8.7	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Manganese	298		3.4	0.34	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Sodium	184		85.0	38.9	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Nickel	19.0		1.7	0.40	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Lead	39.8		0.51	0.17	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Antimony	0.98		0.85	0.12	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Selenium	0.38	J	1.1	0.11	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Thallium	0.23	J	0.34	0.035	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Vanadium	44.8		1.7	0.18	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1
Zinc	63.5		6.8	2.6	mg/Kg	☼	10/16/22 23:00	10/18/22 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00041	J	0.0020	0.00029	mg/L		10/18/22 11:37	10/19/22 22:07	1
Arsenic	0.042		0.0020	0.00089	mg/L		10/18/22 11:37	10/19/22 22:07	1
Barium	0.94		0.0040	0.00091	mg/L		10/18/22 11:37	10/19/22 22:07	1
Cadmium	0.00081	J	0.0020	0.00039	mg/L		10/18/22 11:37	10/19/22 22:07	1
Chromium	0.31		0.0040	0.0025	mg/L		10/18/22 11:37	10/19/22 22:07	1
Lead	0.36		0.0012	0.00084	mg/L		10/18/22 11:37	10/19/22 22:07	1
Selenium	0.0031		0.0025	0.00059	mg/L		10/18/22 11:37	10/19/22 22:07	1

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		10/18/22 13:56	10/18/22 15:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	F1	0.018	0.0086	mg/Kg	☼	10/19/22 00:18	10/19/22 03:32	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3	HF			SU			10/19/22 14:16	1
Temperature (SW846 9045D)	21.5	HF			Degrees C			10/19/22 14:16	1
Corrosivity (SW846 9045D)	8.3	HF			SU			10/19/22 14:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.16	J	0.26	0.14	mg/Kg	☼	10/19/22 20:22	10/20/22 00:00	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			10/19/22 13:12	1
Cyanide, Reactive (SW846 9014)	25.0	U	25.0	25.0	mg/Kg		10/20/22 10:00	10/20/22 12:00	1
Sulfide, Reactive (SW846 9034)	20.0	U	20.0	20.0	mg/Kg		10/20/22 10:00	10/20/22 12:00	1
Free Liquid (SW846 9095B)	0.500	U	0.500	0.500	mL/100g			10/19/22 11:37	1
Percent Moisture (EPA Moisture)	10.2		1.0	1.0	%			10/17/22 20:25	1
Percent Solids (EPA Moisture)	89.8		1.0	1.0	%			10/17/22 20:25	1
Total Volatile Solids (SM 2540G)	3.4		0.10	0.10	%			10/19/22 07:01	1

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: C-02-G
Date Collected: 10/13/22 15:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-3
Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00042	U	0.00096	0.00042	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Bromomethane	0.00096	U	0.0019	0.00096	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Vinyl chloride	0.00053	U	0.00096	0.00053	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Chloroethane	0.00050	U	0.00096	0.00050	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Methylene Chloride	0.0011	U	0.0019	0.0011	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Acetone	0.0055	U	0.0058	0.0055	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Carbon disulfide	0.00026	U *+	0.00096	0.00026	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Trichlorofluoromethane	0.00039	U	0.00096	0.00039	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,1-Dichloroethene	0.00022	U	0.00096	0.00022	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,1-Dichloroethane	0.00020	U	0.00096	0.00020	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
trans-1,2-Dichloroethene	0.00024	U	0.00096	0.00024	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
cis-1,2-Dichloroethene	0.00034	U	0.00096	0.00034	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Chloroform	0.00093	U	0.00096	0.00093	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,2-Dichloroethane	0.00028	U	0.00096	0.00028	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
2-Butanone (MEK)	0.00035	U	0.0048	0.00035	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,1,1-Trichloroethane	0.00022	U *+	0.00096	0.00022	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Carbon tetrachloride	0.00037	U *+	0.00096	0.00037	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Dichlorobromomethane	0.00025	U *+	0.00096	0.00025	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,2-Dichloropropane	0.00041	U	0.00096	0.00041	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
cis-1,3-Dichloropropene	0.00026	U	0.00096	0.00026	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Trichloroethene	0.00031	U	0.00096	0.00031	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Chlorodibromomethane	0.00019	U *+	0.00096	0.00019	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,1,2-Trichloroethane	0.00017	U	0.00096	0.00017	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Benzene	0.00025	U	0.00096	0.00025	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
trans-1,3-Dichloropropene	0.00026	U	0.00096	0.00026	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Bromoform	0.00041	U *+	0.00096	0.00041	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
4-Methyl-2-pentanone (MIBK)	0.0015	U	0.0048	0.0015	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
2-Hexanone	0.0016	U *+	0.0048	0.0016	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Tetrachloroethene	0.00029	U	0.00096	0.00029	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.00096	0.00021	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Toluene	0.00023	U	0.00096	0.00023	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Chlorobenzene	0.00017	U	0.00096	0.00017	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Ethylbenzene	0.00019	U	0.00096	0.00019	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Styrene	0.00027	U	0.00096	0.00027	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
m-Xylene & p-Xylene	0.00017	U	0.00096	0.00017	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
o-Xylene	0.00019	U	0.00096	0.00019	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Acrolein	0.027	U	0.096	0.027	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00029	U	0.00096	0.00029	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
TBA	0.0075	U	0.0096	0.0075	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Acrylonitrile	0.0047	U	0.0096	0.0047	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Methyl tert-butyl ether	0.00049	U	0.00096	0.00049	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Cyclohexane	0.00021	U	0.00096	0.00021	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Ethylene Dibromide	0.00017	U	0.00096	0.00017	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,3-Dichlorobenzene	0.00035	U	0.00096	0.00035	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,4-Dichlorobenzene	0.00022	U	0.00096	0.00022	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,2-Dichlorobenzene	0.00035	U	0.00096	0.00035	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Dichlorodifluoromethane	0.00033	U	0.00096	0.00033	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,2,4-Trichlorobenzene	0.00034	U	0.00096	0.00034	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,4-Dioxane	0.0088	U	0.096	0.0088	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1

Client Sample ID: C-02-G

Date Collected: 10/13/22 15:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-3

Matrix: Solid
Percent Solids: 89.2

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	0.00096	0.00017	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
1,2-Dibromo-3-Chloropropane	0.00044	U	0.00096	0.00044	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Chlorobromomethane	0.00027	U	0.00096	0.00027	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Isopropylbenzene	0.00027	U	0.00096	0.00027	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Methyl acetate	0.0041	U	0.0048	0.0041	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1
Methylcyclohexane	0.00048	U	0.00096	0.00048	mg/Kg	☼	10/16/22 10:50	10/19/22 13:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*10/16/22 10:50*	*10/19/22 13:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*72 - 145*	*10/16/22 10:50*	*10/19/22 13:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*10/16/22 10:50*	*10/19/22 13:28*	*1*
4-Bromofluorobenzene	*96*		*75 - 139*	*10/16/22 10:50*	*10/19/22 13:28*	*1*
Dibromofluoromethane (Surr)	*116*		*73 - 139*	*10/16/22 10:50*	*10/19/22 13:28*	*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			10/19/22 16:30	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/19/22 16:30	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/19/22 16:30	10
Benzene	0.0020	U	0.010	0.0020	mg/L			10/19/22 16:30	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/19/22 16:30	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/19/22 16:30	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/19/22 16:30	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/19/22 16:30	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/19/22 16:30	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/19/22 16:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 128*		*10/19/22 16:30*	*10*
4-Bromofluorobenzene	*94*		*76 - 120*		*10/19/22 16:30*	*10*
Dibromofluoromethane (Surr)	*110*		*77 - 124*		*10/19/22 16:30*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/19/22 16:30*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.8**		1.0	1.0	%			10/18/22 16:25	1
Percent Solids (EPA Moisture)	**89.2**		1.0	1.0	%			10/18/22 16:25	1

Client Sample ID: C-02-C

Date Collected: 10/13/22 15:20
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-4

Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.014	U	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2-Chlorophenol	0.013	U	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2-Methylphenol	0.014	U	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4-Methylphenol	0.023	U	0.37	0.023	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2-Nitrophenol	0.037	U	0.37	0.037	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1

Client Sample ID: C-02-C
Date Collected: 10/13/22 15:20
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-4
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.044	U	0.37	0.044	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,4-Dichlorophenol	0.024	U	0.15	0.024	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4-Chloro-3-methylphenol	0.021	U	0.37	0.021	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,4,6-Trichlorophenol	0.048	U	0.15	0.048	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,4,5-Trichlorophenol	0.038	U	0.37	0.038	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,4-Dinitrotoluene	0.040	U	0.075	0.040	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4-Nitrophenol	0.061	U	0.75	0.061	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4,6-Dinitro-2-methylphenol	0.15	U	0.30	0.15	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Pentachlorophenol	0.076	U	0.30	0.076	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
N-Nitrosodimethylamine	0.034	U	0.37	0.034	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Bis(2-chloroethyl)ether	0.013	U	0.037	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
N-Nitrosodi-n-propylamine	0.027	U	0.037	0.027	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Hexachloroethane	0.013	U	0.037	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Nitrobenzene	0.021	U	0.037	0.021	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Naphthalene	**0.067**	**J**	0.37	0.0064	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4-Chloroaniline	0.066	U	0.37	0.066	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Hexachlorobutadiene	0.0079	U	0.075	0.0079	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2-Methylnaphthalene	**0.042**	**J**	0.37	0.010	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Hexachlorocyclopentadiene	0.033	U	0.37	0.033	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2-Chloronaphthalene	0.017	U	0.37	0.017	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2-Nitroaniline	0.028	U	0.37	0.028	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Dimethyl phthalate	0.085	U	0.37	0.085	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Acenaphthylene	**0.091**	**J**	0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,6-Dinitrotoluene	0.027	U	0.075	0.027	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
3-Nitroaniline	0.088	U	0.37	0.088	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Acenaphthene	**0.17**	**J**	0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Dibenzofuran	**0.11**	**J**	0.37	0.012	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,4-Dinitrophenol	0.18	U	0.30	0.18	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Diethyl phthalate	0.012	U	0.37	0.012	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4-Chlorophenyl phenyl ether	0.013	U	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Fluorene	**0.18**	**J**	0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4-Nitroaniline	0.043	U	0.37	0.043	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
N-Nitrosodiphenylamine	0.031	U	0.37	0.031	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
4-Bromophenyl phenyl ether	0.015	U	0.37	0.015	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Hexachlorobenzene	0.018	U	0.037	0.018	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Phenanthrene	**1.9**		0.37	0.0065	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Anthracene	**0.49**		0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Carbazole	**0.19**	**J**	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Di-n-butyl phthalate	0.014	U	0.37	0.014	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Fluoranthene	**2.6**		0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Pyrene	**2.1**		0.37	0.0093	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Benzidine	0.078	U	0.37	0.078	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Butyl benzyl phthalate	0.017	U	0.37	0.017	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Benzo[a]anthracene	**1.2**		0.037	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Chrysene	**1.1**		0.37	0.0063	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Bis(2-ethylhexyl) phthalate	**0.13**	**J**	0.37	0.020	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Di-n-octyl phthalate	0.020	U	0.37	0.020	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Benzo[b]fluoranthene	**1.5**		0.037	0.0096	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1

Client Sample ID: C-02-C

Date Collected: 10/13/22 15:20
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-4

Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**0.63**		0.037	0.0073	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Benzo[a]pyrene	**1.1**		0.037	0.0099	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Indeno[1,2,3-cd]pyrene	**0.84**		0.037	0.015	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Dibenz(a,h)anthracene	**0.20**		0.037	0.016	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Benzo[g,h,i]perylene	**0.61**		0.37	0.011	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
1,2-Diphenylhydrazine	0.015	U	0.37	0.015	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
1,1'-Biphenyl	0.013	U	0.37	0.013	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Acetophenone	0.018	U	0.37	0.018	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Benzaldehyde	0.061	U	0.37	0.061	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Caprolactam	0.058	U	0.37	0.058	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Atrazine	0.022	U	0.15	0.022	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,2'-oxybis[1-chloropropane]	0.0067	U	0.37	0.0067	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
1,2,4,5-Tetrachlorobenzene	0.012	U	0.37	0.012	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.37	0.025	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
3,3'-Dichlorobenzidine	0.056	U	0.15	0.056	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1
Bis(2-chloroethoxy)methane	0.029	U	0.37	0.029	mg/Kg	☼	10/18/22 21:12	10/19/22 09:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.42*	*J*	*mg/Kg*	☼	*7.21*		*10/18/22 21:12*	*10/19/22 09:01*	*1*
Benzo[e]pyrene	*0.56*	*J N*	*mg/Kg*	☼	*10.08*	*192-97-2*	*10/18/22 21:12*	*10/19/22 09:01*	*1*
Indeno[1,2,3-fg]naphthacene	*0.32*	*J N*	*mg/Kg*	☼	*13.04*	*203-11-2*	*10/18/22 21:12*	*10/19/22 09:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*59*		*16 - 125*	*10/18/22 21:12*	*10/19/22 09:01*	*1*
Phenol-d5 (Surr)	*51*		*23 - 120*	*10/18/22 21:12*	*10/19/22 09:01*	*1*
Terphenyl-d14 (Surr)	*70*		*25 - 126*	*10/18/22 21:12*	*10/19/22 09:01*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*10 - 123*	*10/18/22 21:12*	*10/19/22 09:01*	*1*
2-Fluorophenol (Surr)	*53*		*18 - 123*	*10/18/22 21:12*	*10/19/22 09:01*	*1*
2-Fluorobiphenyl	*63*		*22 - 122*	*10/18/22 21:12*	*10/19/22 09:01*	*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		10/17/22 21:26	10/18/22 15:57	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 15:57	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 15:57	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/17/22 21:26	10/18/22 15:57	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 15:57	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 15:57	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/17/22 21:26	10/18/22 15:57	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/17/22 21:26	10/18/22 15:57	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/17/22 21:26	10/18/22 15:57	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/17/22 21:26	10/18/22 15:57	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/17/22 21:26	10/18/22 15:57	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/17/22 21:26	10/18/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*126*		*37 - 150*	*10/17/22 21:26*	*10/18/22 15:57*	*1*
2-Fluorobiphenyl	*136*		*46 - 139*	*10/17/22 21:26*	*10/18/22 15:57*	*1*
2-Fluorophenol (Surr)	*70*		*19 - 80*	*10/17/22 21:26*	*10/18/22 15:57*	*1*
Nitrobenzene-d5 (Surr)	*127*		*52 - 137*	*10/17/22 21:26*	*10/18/22 15:57*	*1*

Client Sample ID: C-02-C
Date Collected: 10/13/22 15:20
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-4
Matrix: Solid
Percent Solids: 88.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*49*		*10 - 56*	*10/17/22 21:26*	*10/18/22 15:57*	*1*
Terphenyl-d14 (Surr)	*75*		*22 - 150*	*10/17/22 21:26*	*10/18/22 15:57*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.0050**	**J**	0.0075	0.0013	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
4,4'-DDE	**0.0083**		0.0075	0.00089	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
4,4'-DDT	**0.081**		0.0075	0.0014	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Aldrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
alpha-BHC	0.00076	U	0.0022	0.00076	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
beta-BHC	0.00084	U	0.0022	0.00084	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Chlordane (technical)	**0.099**		0.075	0.018	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
delta-BHC	0.00046	U	0.0022	0.00046	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Dieldrin	0.00098	U	0.0022	0.00098	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Endosulfan I	0.0011	U	0.0075	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Endosulfan II	0.0019	U	0.0075	0.0019	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Endosulfan sulfate	0.00094	U	0.0075	0.00094	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Endrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Endrin aldehyde	0.0018	U	0.0075	0.0018	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Endrin ketone	0.0015	U	0.0075	0.0015	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
gamma-BHC (Lindane)	0.00069	U	0.0022	0.00069	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Heptachlor	0.00089	U	0.0075	0.00089	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Heptachlor epoxide	0.0011	U	0.0075	0.0011	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Methoxychlor	0.0017	U	0.0075	0.0017	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1
Toxaphene	0.027	U	0.075	0.027	mg/Kg	☼	10/19/22 18:36	10/20/22 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*67*		*43 - 150*	*10/19/22 18:36*	*10/20/22 04:56*	*1*
DCB Decachlorobiphenyl	*73*		*43 - 150*	*10/19/22 18:36*	*10/20/22 04:56*	*1*
Tetrachloro-m-xylene	*69*		*26 - 137*	*10/19/22 18:36*	*10/20/22 04:56*	*1*
Tetrachloro-m-xylene	*64*		*26 - 137*	*10/19/22 18:36*	*10/20/22 04:56*	*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		10/17/22 21:29	10/18/22 11:50	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 11:50	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/17/22 21:29	10/18/22 11:50	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/17/22 21:29	10/18/22 11:50	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/17/22 21:29	10/18/22 11:50	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 11:50	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/17/22 21:29	10/18/22 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*44*		*15 - 121*	*10/17/22 21:29*	*10/18/22 11:50*	*1*
DCB Decachlorobiphenyl	*53*		*15 - 121*	*10/17/22 21:29*	*10/18/22 11:50*	*1*
Tetrachloro-m-xylene	*44*		*17 - 120*	*10/17/22 21:29*	*10/18/22 11:50*	*1*
Tetrachloro-m-xylene	*48*		*17 - 120*	*10/17/22 21:29*	*10/18/22 11:50*	*1*

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: C-02-C
Date Collected: 10/13/22 15:20
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-4
Matrix: Solid
Percent Solids: 88.8

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	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor 1221	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor 1232	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor 1242	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor 1248	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor 1254	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor 1260	**0.15**		0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor-1262	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Aroclor 1268	0.020	U	0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1
Polychlorinated biphenyls, Total	**0.15**		0.075	0.020	mg/Kg	☼	10/14/22 17:04	10/17/22 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*10/14/22 17:04*	*10/17/22 13:46*	*1*
DCB Decachlorobiphenyl	*122*		*10 - 150*	*10/14/22 17:04*	*10/17/22 13:46*	*1*
Tetrachloro-m-xylene	*89*		*42 - 150*	*10/14/22 17:04*	*10/17/22 13:46*	*1*
Tetrachloro-m-xylene	*112*		*42 - 150*	*10/14/22 17:04*	*10/17/22 13:46*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.014	U	0.037	0.014	mg/Kg	☼	10/19/22 10:36	10/19/22 23:35	1
Silvex (2,4,5-TP)	0.0039	U	0.037	0.0039	mg/Kg	☼	10/19/22 10:36	10/19/22 23:35	1
2,4,5-T	0.0080	U	0.037	0.0080	mg/Kg	☼	10/19/22 10:36	10/19/22 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*27 - 150*	*10/19/22 10:36*	*10/19/22 23:35*	*1*
2,4-Dichlorophenylacetic acid	*101*		*27 - 150*	*10/19/22 10:36*	*10/19/22 23:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0050	U *1 *+	0.083	0.0050	mg/L		10/18/22 10:44	10/19/22 12:03	1
Silvex (2,4,5-TP)	0.0040	U *1 *+	0.083	0.0040	mg/L		10/18/22 10:44	10/19/22 12:03	1
2,4,5-T	0.0020	U *1 *+	0.083	0.0020	mg/L		10/18/22 10:44	10/19/22 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*10 - 150*	*10/18/22 10:44*	*10/19/22 12:03*	*1*
2,4-Dichlorophenylacetic acid	*75*		*10 - 150*	*10/18/22 10:44*	*10/19/22 12:03*	*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	☼	10/19/22 09:38	10/19/22 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*40 - 140*	*10/19/22 09:38*	*10/19/22 20:18*	*1*
1-Chlorooctadecane	*61*		*40 - 140*	*10/19/22 09:38*	*10/19/22 20:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.13**	**J**	0.34	0.075	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Aluminum	**8270**		16.9	4.6	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Arsenic	**3.8**		0.85	0.087	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Barium	**79.5**		1.7	0.12	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1

Client Sample ID: C-02-C

Date Collected: 10/13/22 15:20
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-4

Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.42		0.34	0.048	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Calcium	11000		84.7	15.0	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Cadmium	0.33	J	0.85	0.096	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Cobalt	5.5		1.7	0.13	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Chromium	17.6		1.7	0.77	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Copper	27.6		1.7	0.31	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Iron	14900		50.8	17.1	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Potassium	1730		84.7	13.7	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Magnesium	4070		84.7	8.6	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Manganese	243		3.4	0.34	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Sodium	121		84.7	38.7	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Nickel	11.3		1.7	0.40	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Lead	145		0.51	0.17	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Antimony	0.68	J	0.85	0.12	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Selenium	0.29	J	1.1	0.11	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Thallium	0.15	J	0.34	0.035	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Vanadium	21.3		1.7	0.17	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1
Zinc	108		6.8	2.6	mg/Kg	☼	10/16/22 23:00	10/18/22 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0016	J	0.0020	0.00029	mg/L		10/18/22 10:40	10/19/22 22:14	1
Arsenic	0.041		0.0020	0.00089	mg/L		10/18/22 10:40	10/19/22 22:14	1
Barium	0.79		0.0040	0.00091	mg/L		10/18/22 10:40	10/19/22 22:14	1
Cadmium	0.0036		0.0020	0.00039	mg/L		10/18/22 10:40	10/19/22 22:14	1
Chromium	0.25		0.0040	0.0025	mg/L		10/18/22 10:40	10/19/22 22:14	1
Lead	1.8		0.0012	0.00084	mg/L		10/18/22 10:40	10/19/22 22:14	1
Selenium	0.0028		0.0025	0.00059	mg/L		10/18/22 10:40	10/19/22 22:14	1

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		10/18/22 13:56	10/18/22 15:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.018	0.0084	mg/Kg	☼	10/19/22 00:18	10/19/22 03:39	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6	HF			SU			10/19/22 14:18	1
Temperature (SW846 9045D)	21.2	HF			Degrees C			10/19/22 14:18	1
Corrosivity (SW846 9045D)	8.6	HF			SU			10/19/22 14:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.13	U	0.24	0.13	mg/Kg	☼	10/19/22 20:22	10/20/22 00:01	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			10/19/22 13:12	1
Cyanide, Reactive (SW846 9014)	25.0	U	25.0	25.0	mg/Kg		10/20/22 10:00	10/20/22 12:00	1
Sulfide, Reactive (SW846 9034)	20.0	U	20.0	20.0	mg/Kg		10/20/22 10:00	10/20/22 12:00	1
Free Liquid (SW846 9095B)	0.500	U	0.500	0.500	mL/100g			10/19/22 11:45	1
Percent Moisture (EPA Moisture)	11.2		1.0	1.0	%			10/17/22 20:25	1

Client Sample ID: C-02-C

Lab Sample ID: 460-267687-4

Date Collected: 10/13/22 15:20

Matrix: Solid

Date Received: 10/13/22 20:00

Percent Solids: 88.8

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	88.8		1.0	1.0	%			10/17/22 20:25	1
Total Volatile Solids (SM 2540G)	2.1		0.10	0.10	%			10/19/22 07:01	1

Client Sample ID: Trip blank

Lab Sample ID: 460-267687-5

Date Collected: 10/13/22 00:00

Matrix: Water

Date Received: 10/13/22 20:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.48	J	1.0	0.40	ug/L			10/17/22 10:38	1
Bromomethane	0.55	U	1.0	0.55	ug/L			10/17/22 10:38	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			10/17/22 10:38	1
Chloroethane	0.32	U	1.0	0.32	ug/L			10/17/22 10:38	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			10/17/22 10:38	1
Acetone	8.6		5.0	4.4	ug/L			10/17/22 10:38	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			10/17/22 10:38	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			10/17/22 10:38	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/17/22 10:38	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			10/17/22 10:38	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			10/17/22 10:38	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			10/17/22 10:38	1
Chloroform	0.33	U	1.0	0.33	ug/L			10/17/22 10:38	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			10/17/22 10:38	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			10/17/22 10:38	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			10/17/22 10:38	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			10/17/22 10:38	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			10/17/22 10:38	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			10/17/22 10:38	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			10/17/22 10:38	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			10/17/22 10:38	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			10/17/22 10:38	1
1,1,2-Trichloroethane	0.20	U	1.0	0.20	ug/L			10/17/22 10:38	1
Benzene	0.20	U	1.0	0.20	ug/L			10/17/22 10:38	1
trans-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			10/17/22 10:38	1
Bromoform	0.54	U	1.0	0.54	ug/L			10/17/22 10:38	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			10/17/22 10:38	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			10/17/22 10:38	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			10/17/22 10:38	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			10/17/22 10:38	1
Toluene	0.38	U	1.0	0.38	ug/L			10/17/22 10:38	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			10/17/22 10:38	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/17/22 10:38	1
Styrene	0.42	U	1.0	0.42	ug/L			10/17/22 10:38	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			10/17/22 10:38	1
o-Xylene	0.36	U	1.0	0.36	ug/L			10/17/22 10:38	1
Acrolein	2.4	U	4.0	2.4	ug/L			10/17/22 10:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			10/17/22 10:38	1
TBA	8.3	U *+ *1	10	8.3	ug/L			10/17/22 10:38	1
Acrylonitrile	1.8	U	2.0	1.8	ug/L			10/17/22 10:38	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			10/17/22 10:38	1

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: Trip blank
Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.32	U	1.0	0.32	ug/L			10/17/22 10:38	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/17/22 10:38	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			10/17/22 10:38	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			10/17/22 10:38	1
1,2-Dichlorobenzene	0.21	U	1.0	0.21	ug/L			10/17/22 10:38	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			10/17/22 10:38	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			10/17/22 10:38	1
1,4-Dioxane	28	U *+ *1	50	28	ug/L			10/17/22 10:38	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			10/17/22 10:38	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			10/17/22 10:38	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			10/17/22 10:38	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			10/17/22 10:38	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			10/17/22 10:38	1
Methylcyclohexane	0.71	U	1.0	0.71	ug/L			10/17/22 10:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/17/22 10:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 128*		*10/17/22 10:38*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/17/22 10:38*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*10/17/22 10:38*	*1*
Dibromofluoromethane (Surr)	*113*		*77 - 124*		*10/17/22 10:38*	*1*

Surrogate Summary

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(72-145)	(80-120)	(75-139)	(73-139)
460-267687-1	C-01-G	106	97	95	109
460-267687-3	C-02-G	110	97	96	116
LCS 460-872776/4	Lab Control Sample	103	96	95	104
LCSD 460-872776/5	Lab Control Sample Dup	103	98	98	107
MB 460-872776/9	Method Blank	105	96	95	108

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**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-128)	(80-120)	(76-120)	(77-124)
LCS 460-872525/3	Lab Control Sample	118	109	105	110
LCS 460-872746/4	Lab Control Sample	104	90	90	105
LCSD 460-872525/4	Lab Control Sample Dup	124	108	105	110
LCSD 460-872746/5	Lab Control Sample Dup	109	104	106	106
MB 460-872525/9	Method Blank	119	108	103	107
MB 460-872746/9	Method Blank	110	102	97	111

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**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-124)	(80-120)
460-267687-1	C-01-G	115	94	112	104
460-267687-3	C-02-G	110	94	110	102
LB 460-872298/1-A	Method Blank	120	102	109	110

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 Project

Job ID: 460-267687-1

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-128)	(80-120)	(76-120)	(77-124)
460-267687-5	Trip blank	117	100	99	113
LCS 460-872321/3	Lab Control Sample	107	104	105	102
LCSD 460-872321/6	Lab Control Sample Dup	95	91	88	92
MB 460-872321/8	Method Blank	120	101	97	118

Surrogate Legend

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

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHL	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(16-125)	(23-120)	(25-126)	(10-123)	(18-123)	(22-122)
460-267205-E-1-B MS	Matrix Spike	60	54	70	68	56	66
460-267205-E-1-C MSD	Matrix Spike Duplicate	59	54	72	68	54	67
460-267687-2	C-01-C	58	51	70	60	53	65
460-267687-4	C-02-C	59	51	70	67	53	63
LCS 460-872712/2-A	Lab Control Sample	69	65	80	74	66	77
LCSD 460-872712/3-A	Lab Control Sample Dup	62	58	71	68	58	69
MB 460-872712/1-A	Method Blank	66	59	78	68	63	72

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)					
		NBZ	PHL	TPHL	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(52-137)	(10-56)	(22-150)	(37-150)	(19-80)	(46-139)
LCS 460-872487/2-A	Lab Control Sample	82	27	88	89	41	76
LCSD 460-872487/3-A	Lab Control Sample Dup	82	29	88	90	42	77
MB 460-872487/1-A	Method Blank	124	40	139	134	60	133

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

Surrogate Summary

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(19-80)	(52-137)	(10-56)	(22-150)
460-267687-2	C-01-C	126	128	68	123	48	112
460-267687-4	C-02-C	126	136	70	127	49	75
LB 460-872277/1-C	Method Blank	128	127	61	122	40	143

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(43-150)	(43-150)	(26-137)	(26-137)
460-267687-2	C-01-C	82	75	74	80
460-267687-4	C-02-C	73	67	64	69
LCS 460-872907/2-A	Lab Control Sample	77	65	69	73
LCSD 460-872907/3-A	Lab Control Sample Dup	82	69	73	77
MB 460-872907/1-A	Method Blank	75	64	66	71

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(15-121)	(15-121)	(17-120)	(17-120)
LCS 460-872489/2-A	Lab Control Sample	90	81	75	73
LCSD 460-872489/3-A	Lab Control Sample Dup	93	88	77	77
MB 460-872489/1-A	Method Blank	94	88	72	72

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(15-121)	(15-121)	(17-120)	(17-120)
460-267687-2	C-01-C	53	45	46	50
460-267687-4	C-02-C	53	44	48	44
LB 460-872277/1-D	Method Blank	64	60	49	51

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(42-150)	(42-150)
460-267384-A-1-G MS	Matrix Spike	105	83	96	75
460-267384-A-1-H MSD	Matrix Spike Duplicate	107	84	98	75
460-267687-2	C-01-C	118	99	112	89
460-267687-4	C-02-C	122	98	112	89
LCS 460-872029/2-A	Lab Control Sample	114	96	108	85
LCSD 460-872029/3-A	Lab Control Sample Dup	117	105	111	88
MB 460-872029/1-A	Method Blank	107	92	100	81

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

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(27-150)	(27-150)
460-267687-2	C-01-C	98	91
460-267687-4	C-02-C	101	92
LCS 460-872835/2-A	Lab Control Sample	100	97
LCSD 460-872835/3-A	Lab Control Sample Dup	98	97
MB 460-872835/1-A	Method Blank	105	110

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)
LCS 460-872599/2-A	Lab Control Sample	93	87
LCSD 460-872599/3-A	Lab Control Sample Dup	79	75
MB 460-872599/1-A	Method Blank	109	101

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)
460-267687-2	C-01-C	103	99
460-267687-4	C-02-C	75	72

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

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	OTPH1 (40-140)	1COD1 (40-140)										
460-267687-2	C-01-C	68	72										
460-267687-4	C-02-C	73	61										
LCS 460-872822/2-A	Lab Control Sample	89	149 S1+										
LCSD 460-872822/3-A	Lab Control Sample Dup	110	181 S1+										
MB 460-872822/1-A	Method Blank	113	123										

Surrogate Legend

OTPH = o-Terphenyl
1COD = 1-Chlorooctadecane

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

Lab Sample ID: MB 460-872321/8
Matrix: Water
Analysis Batch: 872321

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.40	U	1.0	0.40	ug/L			10/17/22 09:16	1
Bromomethane	0.55	U	1.0	0.55	ug/L			10/17/22 09:16	1
Chloroethane	0.32	U	1.0	0.32	ug/L			10/17/22 09:16	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			10/17/22 09:16	1
Acetone	4.4	U	5.0	4.4	ug/L			10/17/22 09:16	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			10/17/22 09:16	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			10/17/22 09:16	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/17/22 09:16	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			10/17/22 09:16	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			10/17/22 09:16	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			10/17/22 09:16	1
Chloroform	0.33	U	1.0	0.33	ug/L			10/17/22 09:16	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			10/17/22 09:16	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			10/17/22 09:16	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			10/17/22 09:16	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			10/17/22 09:16	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			10/17/22 09:16	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			10/17/22 09:16	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			10/17/22 09:16	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			10/17/22 09:16	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			10/17/22 09:16	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			10/17/22 09:16	1
1,1,2-Trichloroethane	0.20	U	1.0	0.20	ug/L			10/17/22 09:16	1
Benzene	0.20	U	1.0	0.20	ug/L			10/17/22 09:16	1
trans-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			10/17/22 09:16	1
Bromoform	0.54	U	1.0	0.54	ug/L			10/17/22 09:16	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			10/17/22 09:16	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			10/17/22 09:16	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			10/17/22 09:16	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			10/17/22 09:16	1
Toluene	0.38	U	1.0	0.38	ug/L			10/17/22 09:16	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			10/17/22 09:16	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/17/22 09:16	1
Styrene	0.42	U	1.0	0.42	ug/L			10/17/22 09:16	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			10/17/22 09:16	1
o-Xylene	0.36	U	1.0	0.36	ug/L			10/17/22 09:16	1
Acrolein	2.4	U	4.0	2.4	ug/L			10/17/22 09:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			10/17/22 09:16	1
TBA	8.3	U	10	8.3	ug/L			10/17/22 09:16	1
Acrylonitrile	1.8	U	2.0	1.8	ug/L			10/17/22 09:16	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			10/17/22 09:16	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			10/17/22 09:16	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/17/22 09:16	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			10/17/22 09:16	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			10/17/22 09:16	1
1,2-Dichlorobenzene	0.21	U	1.0	0.21	ug/L			10/17/22 09:16	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			10/17/22 09:16	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			10/17/22 09:16	1

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

Lab Sample ID: MB 460-872321/8
Matrix: Water
Analysis Batch: 872321

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	28	U	50	28	ug/L			10/17/22 09:16	1
1,2,3-Trichlorobenzene	0.374	J	1.0	0.36	ug/L			10/17/22 09:16	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			10/17/22 09:16	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			10/17/22 09:16	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			10/17/22 09:16	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			10/17/22 09:16	1
Methylcyclohexane	0.71	U	1.0	0.71	ug/L			10/17/22 09:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/17/22 09:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 128*		*10/17/22 09:16*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/17/22 09:16*	*1*
4-Bromofluorobenzene	*97*		*76 - 120*		*10/17/22 09:16*	*1*
Dibromofluoromethane (Surr)	*118*		*77 - 124*		*10/17/22 09:16*	*1*

Lab Sample ID: LCS 460-872321/3
Matrix: Water
Analysis Batch: 872321

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	20.0	18.7		ug/L		94	43 - 150
Bromomethane	20.0	16.0		ug/L		80	32 - 150
Chloroethane	20.0	20.8		ug/L		104	42 - 150
Methylene Chloride	20.0	19.9		ug/L		99	74 - 127
Acetone	100	88.8		ug/L		89	61 - 134
Carbon disulfide	20.0	21.9		ug/L		110	64 - 138
Trichlorofluoromethane	20.0	21.0		ug/L		105	50 - 150
1,1-Dichloroethene	20.0	18.9		ug/L		95	68 - 133
1,1-Dichloroethane	20.0	20.6		ug/L		103	73 - 130
trans-1,2-Dichloroethene	20.0	18.7		ug/L		94	74 - 126
cis-1,2-Dichloroethene	20.0	18.9		ug/L		95	78 - 121
Chloroform	20.0	20.4		ug/L		102	78 - 125
Vinyl chloride	20.0	19.7		ug/L		99	55 - 144
1,2-Dichloroethane	20.0	20.4		ug/L		102	66 - 129
2-Butanone (MEK)	100	86.6		ug/L		87	61 - 128
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	68 - 128
Carbon tetrachloride	20.0	20.1		ug/L		100	61 - 131
Dichlorobromomethane	20.0	18.8		ug/L		94	76 - 121
1,2-Dichloropropane	20.0	19.2		ug/L		96	68 - 128
cis-1,3-Dichloropropene	20.0	19.6		ug/L		98	74 - 125
Trichloroethene	20.0	17.8		ug/L		89	71 - 121
Chlorodibromomethane	20.0	20.1		ug/L		100	62 - 130
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	74 - 125
Benzene	20.0	22.7		ug/L		113	71 - 126
trans-1,3-Dichloropropene	20.0	18.7		ug/L		94	66 - 127
Bromoform	20.0	20.0		ug/L		100	48 - 144

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

Lab Sample ID: LCS 460-872321/3
Matrix: Water
Analysis Batch: 872321

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)	100	81.8		ug/L		82	69 - 128
2-Hexanone	100	71.5		ug/L		71	61 - 134
Tetrachloroethene	20.0	19.1		ug/L		96	70 - 127
1,1,2,2-Tetrachloroethane	20.0	19.9		ug/L		100	63 - 139
Toluene	20.0	18.7		ug/L		94	78 - 120
Chlorobenzene	20.0	18.8		ug/L		94	80 - 120
Ethylbenzene	20.0	18.1		ug/L		90	78 - 120
Styrene	20.0	19.0		ug/L		95	75 - 127
m-Xylene & p-Xylene	20.0	18.2		ug/L		91	78 - 120
o-Xylene	20.0	18.4		ug/L		92	78 - 120
Acrolein	40.0	38.4		ug/L		96	10 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.2		ug/L		111	51 - 142
TBA	200	257	*+	ug/L		128	67 - 126
Acrylonitrile	200	200		ug/L		100	57 - 146
Methyl tert-butyl ether	20.0	18.6		ug/L		93	72 - 131
Cyclohexane	20.0	20.7		ug/L		103	60 - 133
Ethylene Dibromide	20.0	19.2		ug/L		96	79 - 126
1,3-Dichlorobenzene	20.0	18.7		ug/L		94	80 - 120
1,4-Dichlorobenzene	20.0	18.7		ug/L		93	80 - 120
1,2-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 120
Dichlorodifluoromethane	20.0	16.8		ug/L		84	33 - 150
1,2,4-Trichlorobenzene	20.0	18.5		ug/L		93	67 - 132
1,4-Dioxane	400	896	*+	ug/L		224	62 - 142
1,2,3-Trichlorobenzene	20.0	18.4		ug/L		92	56 - 144
1,2-Dibromo-3-Chloropropane	20.0	19.4		ug/L		97	58 - 132
Chlorobromomethane	20.0	19.8		ug/L		99	67 - 126
Isopropylbenzene	20.0	18.8		ug/L		94	79 - 125
Methyl acetate	40.0	44.8		ug/L		112	55 - 146
Methylcyclohexane	20.0	19.8		ug/L		99	54 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 128*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene	*105*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*

Lab Sample ID: LCSD 460-872321/6
Matrix: Water
Analysis Batch: 872321

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	20.0	20.6		ug/L		103	43 - 150	9	30
Bromomethane	20.0	19.8		ug/L		99	32 - 150	21	30
Chloroethane	20.0	23.6		ug/L		118	42 - 150	12	30
Methylene Chloride	20.0	20.2		ug/L		101	74 - 127	2	30
Acetone	100	80.0		ug/L		80	61 - 134	10	30
Carbon disulfide	20.0	22.5		ug/L		112	64 - 138	2	30
Trichlorofluoromethane	20.0	22.2		ug/L		111	50 - 150	6	30

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

Lab Sample ID: LCSD 460-872321/6
Matrix: Water
Analysis Batch: 872321

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	20.0	19.7		ug/L		99	68 - 133	4	30
1,1-Dichloroethane	20.0	21.4		ug/L		107	73 - 130	4	30
trans-1,2-Dichloroethene	20.0	19.6		ug/L		98	74 - 126	4	30
cis-1,2-Dichloroethene	20.0	19.7		ug/L		99	78 - 121	4	30
Chloroform	20.0	20.6		ug/L		103	78 - 125	1	30
Vinyl chloride	20.0	20.7		ug/L		103	55 - 144	5	30
1,2-Dichloroethane	20.0	20.7		ug/L		103	66 - 129	1	30
2-Butanone (MEK)	100	82.7		ug/L		83	61 - 128	5	30
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	68 - 128	2	30
Carbon tetrachloride	20.0	20.9		ug/L		104	61 - 131	4	30
Dichlorobromomethane	20.0	19.2		ug/L		96	76 - 121	3	30
1,2-Dichloropropane	20.0	19.9		ug/L		99	68 - 128	4	30
cis-1,3-Dichloropropene	20.0	18.9		ug/L		95	74 - 125	4	30
Trichloroethene	20.0	18.7		ug/L		94	71 - 121	5	30
Chlorodibromomethane	20.0	19.9		ug/L		99	62 - 130	1	30
1,1,2-Trichloroethane	20.0	19.3		ug/L		97	74 - 125	4	30
Benzene	20.0	22.3		ug/L		112	71 - 126	2	30
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	66 - 127	4	30
Bromoform	20.0	19.8		ug/L		99	48 - 144	1	30
4-Methyl-2-pentanone (MIBK)	100	80.0		ug/L		80	69 - 128	2	30
2-Hexanone	100	71.0		ug/L		71	61 - 134	1	30
Tetrachloroethene	20.0	19.2		ug/L		96	70 - 127	0	30
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	63 - 139	2	30
Toluene	20.0	18.7		ug/L		94	78 - 120	0	30
Chlorobenzene	20.0	19.4		ug/L		97	80 - 120	3	30
Ethylbenzene	20.0	17.8		ug/L		89	78 - 120	1	30
Styrene	20.0	18.9		ug/L		94	75 - 127	0	30
m-Xylene & p-Xylene	20.0	18.0		ug/L		90	78 - 120	1	30
o-Xylene	20.0	17.7		ug/L		88	78 - 120	4	30
Acrolein	40.0	36.9		ug/L		92	10 - 150	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.0		ug/L		110	51 - 142	1	30
TBA	200	162	*1	ug/L		81	67 - 126	45	30
Acrylonitrile	200	206		ug/L		103	57 - 146	3	30
Methyl tert-butyl ether	20.0	18.2		ug/L		91	72 - 131	2	30
Cyclohexane	20.0	21.9		ug/L		109	60 - 133	6	30
Ethylene Dibromide	20.0	18.5		ug/L		93	79 - 126	4	30
1,3-Dichlorobenzene	20.0	18.2		ug/L		91	80 - 120	3	30
1,4-Dichlorobenzene	20.0	18.3		ug/L		92	80 - 120	2	30
1,2-Dichlorobenzene	20.0	18.3		ug/L		92	80 - 120	3	30
Dichlorodifluoromethane	20.0	17.9		ug/L		90	33 - 150	7	30
1,2,4-Trichlorobenzene	20.0	16.8		ug/L		84	67 - 132	10	30
1,4-Dioxane	400	374	*1	ug/L		94	62 - 142	82	30
1,2,3-Trichlorobenzene	20.0	16.9		ug/L		85	56 - 144	8	30
1,2-Dibromo-3-Chloropropane	20.0	17.4		ug/L		87	58 - 132	10	30
Chlorobromomethane	20.0	19.4		ug/L		97	67 - 126	2	30
Isopropylbenzene	20.0	18.6		ug/L		93	79 - 125	1	30
Methyl acetate	40.0	43.2		ug/L		108	55 - 146	4	30
Methylcyclohexane	20.0	21.5		ug/L		108	54 - 139	8	30

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene	*88*		*76 - 120*
Dibromofluoromethane (Surr)	*92*		*77 - 124*

Lab Sample ID: MB 460-872525/9
Matrix: Solid
Analysis Batch: 872525

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			10/18/22 12:08	1
Chloroform	0.00033	U	0.0010	0.00033	mg/L			10/18/22 12:08	1
Vinyl chloride	0.00017	U	0.0010	0.00017	mg/L			10/18/22 12:08	1
1,2-Dichloroethane	0.00043	U	0.0010	0.00043	mg/L			10/18/22 12:08	1
2-Butanone (MEK)	0.0019	U	0.0050	0.0019	mg/L			10/18/22 12:08	1
Carbon tetrachloride	0.00021	U	0.0010	0.00021	mg/L			10/18/22 12:08	1
Trichloroethene	0.00031	U	0.0010	0.00031	mg/L			10/18/22 12:08	1
Benzene	0.00020	U	0.0010	0.00020	mg/L			10/18/22 12:08	1
Tetrachloroethene	0.00025	U	0.0010	0.00025	mg/L			10/18/22 12:08	1
Chlorobenzene	0.00038	U	0.0010	0.00038	mg/L			10/18/22 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 128*		*10/18/22 12:08*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*10/18/22 12:08*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*10/18/22 12:08*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*10/18/22 12:08*	*1*

Lab Sample ID: LCS 460-872525/3
Matrix: Solid
Analysis Batch: 872525

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	0.0213		mg/L		106	68 - 133
Chloroform	0.0200	0.0213		mg/L		107	78 - 125
Vinyl chloride	0.0200	0.0189		mg/L		95	55 - 144
1,2-Dichloroethane	0.0200	0.0225		mg/L		113	66 - 129
2-Butanone (MEK)	0.100	0.0921		mg/L		92	61 - 128
Carbon tetrachloride	0.0200	0.0206		mg/L		103	61 - 131
Trichloroethene	0.0200	0.0196		mg/L		98	71 - 121
Benzene	0.0200	0.0219		mg/L		110	71 - 126
Tetrachloroethene	0.0200	0.0184		mg/L		92	70 - 127
Chlorobenzene	0.0200	0.0201		mg/L		100	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 128*
Toluene-d8 (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene	*105*		*76 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 124*

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

Lab Sample ID: LCSD 460-872525/4
Matrix: Solid
Analysis Batch: 872525

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	0.0223		mg/L		111	68 - 133	4	30
Chloroform			0.0200	0.0222		mg/L		111	78 - 125	4	30
Vinyl chloride			0.0200	0.0185		mg/L		93	55 - 144	2	30
1,2-Dichloroethane			0.0200	0.0230		mg/L		115	66 - 129	2	30
2-Butanone (MEK)			0.100	0.0927		mg/L		93	61 - 128	1	30
Carbon tetrachloride			0.0200	0.0206		mg/L		103	61 - 131	0	30
Trichloroethene			0.0200	0.0199		mg/L		100	71 - 121	2	30
Benzene			0.0200	0.0217		mg/L		109	71 - 126	1	30
Tetrachloroethene			0.0200	0.0196		mg/L		98	70 - 127	6	30
Chlorobenzene			0.0200	0.0205		mg/L		102	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*124*		*70 - 128*
Toluene-d8 (Surr)	*108*		*80 - 120*
4-Bromofluorobenzene	*105*		*76 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 124*

Lab Sample ID: MB 460-872746/9
Matrix: Solid
Analysis Batch: 872746

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			10/19/22 09:23	1
Chloroform	0.00033	U	0.0010	0.00033	mg/L			10/19/22 09:23	1
Vinyl chloride	0.00017	U	0.0010	0.00017	mg/L			10/19/22 09:23	1
1,2-Dichloroethane	0.00043	U	0.0010	0.00043	mg/L			10/19/22 09:23	1
2-Butanone (MEK)	0.0019	U	0.0050	0.0019	mg/L			10/19/22 09:23	1
Carbon tetrachloride	0.00021	U	0.0010	0.00021	mg/L			10/19/22 09:23	1
Trichloroethene	0.00031	U	0.0010	0.00031	mg/L			10/19/22 09:23	1
Benzene	0.00020	U	0.0010	0.00020	mg/L			10/19/22 09:23	1
Tetrachloroethene	0.00025	U	0.0010	0.00025	mg/L			10/19/22 09:23	1
Chlorobenzene	0.00038	U	0.0010	0.00038	mg/L			10/19/22 09:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 128*		*10/19/22 09:23*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/19/22 09:23*	*1*
4-Bromofluorobenzene	*97*		*76 - 120*		*10/19/22 09:23*	*1*
Dibromofluoromethane (Surr)	*111*		*77 - 124*		*10/19/22 09:23*	*1*

Lab Sample ID: LCS 460-872746/4
Matrix: Solid
Analysis Batch: 872746

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	0.0221		mg/L		111	78 - 125
Vinyl chloride			0.0200	0.0215		mg/L		108	55 - 144
1,2-Dichloroethane			0.0200	0.0217		mg/L		109	66 - 129

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

Lab Sample ID: LCS 460-872746/4
Matrix: Solid
Analysis Batch: 872746

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Butanone (MEK)			0.100	0.0900		mg/L		90	61 - 128		
Carbon tetrachloride			0.0200	0.0226		mg/L		113	61 - 131		
Trichloroethene			0.0200	0.0187		mg/L		93	71 - 121		
Benzene			0.0200	0.0225		mg/L		113	71 - 126		
Tetrachloroethene			0.0200	0.0190		mg/L		95	70 - 127		
Chlorobenzene			0.0200	0.0193		mg/L		97	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 128*
Toluene-d8 (Surr)	*90*		*80 - 120*
4-Bromofluorobenzene	*90*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*

Lab Sample ID: LCSD 460-872746/5
Matrix: Solid
Analysis Batch: 872746

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	0.0197		mg/L		98	68 - 133	9	30
Chloroform			0.0200	0.0202		mg/L		101	78 - 125	9	30
Vinyl chloride			0.0200	0.0194		mg/L		97	55 - 144	10	30
1,2-Dichloroethane			0.0200	0.0202		mg/L		101	66 - 129	7	30
2-Butanone (MEK)			0.100	0.0918		mg/L		92	61 - 128	2	30
Carbon tetrachloride			0.0200	0.0202		mg/L		101	61 - 131	11	30
Trichloroethene			0.0200	0.0189		mg/L		95	71 - 121	1	30
Benzene			0.0200	0.0229		mg/L		115	71 - 126	2	30
Tetrachloroethene			0.0200	0.0195		mg/L		98	70 - 127	3	30
Chlorobenzene			0.0200	0.0194		mg/L		97	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 128*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 124*

Lab Sample ID: MB 460-872776/9
Matrix: Solid
Analysis Batch: 872776

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			10/19/22 10:54	1
Bromomethane	0.0010	U	0.0020	0.0010	mg/Kg			10/19/22 10:54	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			10/19/22 10:54	1
Methylene Chloride	0.0011	U	0.0020	0.0011	mg/Kg			10/19/22 10:54	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			10/19/22 10:54	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			10/19/22 10:54	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			10/19/22 10:54	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			10/19/22 10:54	1

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

Lab Sample ID: MB 460-872776/9
Matrix: Solid
Analysis Batch: 872776

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			10/19/22 10:54	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			10/19/22 10:54	1
cis-1,2-Dichloroethene	0.00036	U	0.0010	0.00036	mg/Kg			10/19/22 10:54	1
Chloroform	0.00097	U	0.0010	0.00097	mg/Kg			10/19/22 10:54	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			10/19/22 10:54	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			10/19/22 10:54	1
2-Butanone (MEK)	0.00037	U	0.0050	0.00037	mg/Kg			10/19/22 10:54	1
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			10/19/22 10:54	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			10/19/22 10:54	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			10/19/22 10:54	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			10/19/22 10:54	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			10/19/22 10:54	1
Trichloroethene	0.00032	U	0.0010	0.00032	mg/Kg			10/19/22 10:54	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			10/19/22 10:54	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			10/19/22 10:54	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			10/19/22 10:54	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			10/19/22 10:54	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			10/19/22 10:54	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			10/19/22 10:54	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			10/19/22 10:54	1
Tetrachloroethene	0.00031	U	0.0010	0.00031	mg/Kg			10/19/22 10:54	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			10/19/22 10:54	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			10/19/22 10:54	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			10/19/22 10:54	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			10/19/22 10:54	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			10/19/22 10:54	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			10/19/22 10:54	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			10/19/22 10:54	1
Acrolein	0.028	U	0.10	0.028	mg/Kg			10/19/22 10:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			10/19/22 10:54	1
TBA	0.0078	U	0.010	0.0078	mg/Kg			10/19/22 10:54	1
Acrylonitrile	0.0049	U	0.010	0.0049	mg/Kg			10/19/22 10:54	1
Methyl tert-butyl ether	0.00051	U	0.0010	0.00051	mg/Kg			10/19/22 10:54	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			10/19/22 10:54	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			10/19/22 10:54	1
1,3-Dichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg			10/19/22 10:54	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			10/19/22 10:54	1
1,2-Dichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			10/19/22 10:54	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			10/19/22 10:54	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			10/19/22 10:54	1
1,4-Dioxane	0.0092	U	0.10	0.0092	mg/Kg			10/19/22 10:54	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			10/19/22 10:54	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			10/19/22 10:54	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			10/19/22 10:54	1
Isopropylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			10/19/22 10:54	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			10/19/22 10:54	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			10/19/22 10:54	1

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

Lab Sample ID: MB 460-872776/9
Matrix: Solid
Analysis Batch: 872776

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg					10/19/22 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		72 - 145		10/19/22 10:54	1
Toluene-d8 (Surr)	96		80 - 120		10/19/22 10:54	1
4-Bromofluorobenzene	95		75 - 139		10/19/22 10:54	1
Dibromofluoromethane (Surr)	108		73 - 139		10/19/22 10:54	1

Lab Sample ID: LCS 460-872776/4
Matrix: Solid
Analysis Batch: 872776

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		99	63 - 130
Bromomethane	0.0200	0.0200		mg/Kg		100	64 - 150
Chloroethane	0.0200	0.0207		mg/Kg		103	68 - 132
Methylene Chloride	0.0200	0.0208		mg/Kg		104	76 - 120
Acetone	0.100	0.0959		mg/Kg		96	63 - 131
Carbon disulfide	0.0200	0.0250	*+	mg/Kg		125	76 - 120
Trichlorofluoromethane	0.0200	0.0198		mg/Kg		99	76 - 142
1,1-Dichloroethene	0.0200	0.0230		mg/Kg		115	70 - 132
1,1-Dichloroethane	0.0200	0.0230		mg/Kg		115	77 - 129
trans-1,2-Dichloroethene	0.0200	0.0223		mg/Kg		112	78 - 120
cis-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	80 - 123
Chloroform	0.0200	0.0215		mg/Kg		108	79 - 126
Vinyl chloride	0.0200	0.0215		mg/Kg		108	72 - 131
1,2-Dichloroethane	0.0200	0.0200		mg/Kg		100	75 - 123
2-Butanone (MEK)	0.100	0.103		mg/Kg		103	75 - 120
1,1,1-Trichloroethane	0.0200	0.0237		mg/Kg		119	78 - 120
Carbon tetrachloride	0.0200	0.0292	*+	mg/Kg		146	77 - 121
Dichlorobromomethane	0.0200	0.0245		mg/Kg		122	73 - 124
1,2-Dichloropropane	0.0200	0.0218		mg/Kg		109	73 - 124
cis-1,3-Dichloropropene	0.0200	0.0195		mg/Kg		98	80 - 120
Trichloroethene	0.0200	0.0202		mg/Kg		101	79 - 120
Chlorodibromomethane	0.0200	0.0286	*+	mg/Kg		143	80 - 120
1,1,2-Trichloroethane	0.0200	0.0195		mg/Kg		98	80 - 120
Benzene	0.0200	0.0201		mg/Kg		100	80 - 123
trans-1,3-Dichloropropene	0.0200	0.0204		mg/Kg		102	80 - 120
Bromoform	0.0200	0.0298	*+	mg/Kg		149	70 - 125
4-Methyl-2-pentanone (MIBK)	0.100	0.108		mg/Kg		108	80 - 122
2-Hexanone	0.100	0.132	*+	mg/Kg		132	70 - 128
Tetrachloroethene	0.0200	0.0190		mg/Kg		95	78 - 123
1,1,2,2-Tetrachloroethane	0.0200	0.0214		mg/Kg		107	66 - 123
Toluene	0.0200	0.0193		mg/Kg		96	80 - 120
Chlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
Ethylbenzene	0.0200	0.0195		mg/Kg		97	76 - 120
Styrene	0.0200	0.0184		mg/Kg		92	80 - 120
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		94	80 - 120

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

Lab Sample ID: LCS 460-872776/4
Matrix: Solid
Analysis Batch: 872776

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.0200	0.0186		mg/Kg		93	80 - 120
Acrolein	0.300	0.265		mg/Kg		88	10 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0241		mg/Kg		121	75 - 141
TBA	0.200	0.201		mg/Kg		101	80 - 120
Acrylonitrile	0.200	0.221		mg/Kg		110	66 - 134
Methyl tert-butyl ether	0.0200	0.0219		mg/Kg		110	80 - 125
Cyclohexane	0.0200	0.0223		mg/Kg		112	70 - 132
Ethylene Dibromide	0.0200	0.0202		mg/Kg		101	79 - 120
1,3-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
1,4-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
1,2-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
Dichlorodifluoromethane	0.0200	0.0205		mg/Kg		103	62 - 150
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		95	68 - 150
1,4-Dioxane	0.400	0.439		mg/Kg		110	80 - 136
1,2,3-Trichlorobenzene	0.0200	0.0201		mg/Kg		100	44 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0207		mg/Kg		104	60 - 124
Chlorobromomethane	0.0200	0.0217		mg/Kg		108	76 - 127
Isopropylbenzene	0.0200	0.0197		mg/Kg		98	80 - 120
Methyl acetate	0.0400	0.0349		mg/Kg		87	58 - 143
Methylcyclohexane	0.0200	0.0229		mg/Kg		114	70 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 145*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene	*95*		*75 - 139*
Dibromofluoromethane (Surr)	*104*		*73 - 139*

Lab Sample ID: LCSD 460-872776/5
Matrix: Solid
Analysis Batch: 872776

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	0.0207		mg/Kg		104	63 - 130	5	30
Bromomethane	0.0200	0.0207		mg/Kg		103	64 - 150	3	30
Chloroethane	0.0200	0.0214		mg/Kg		107	68 - 132	3	30
Methylene Chloride	0.0200	0.0216		mg/Kg		108	76 - 120	4	30
Acetone	0.100	0.109		mg/Kg		109	63 - 131	12	30
Carbon disulfide	0.0200	0.0276	*+	mg/Kg		138	76 - 120	10	30
Trichlorofluoromethane	0.0200	0.0212		mg/Kg		106	76 - 142	6	30
1,1-Dichloroethene	0.0200	0.0240		mg/Kg		120	70 - 132	4	30
1,1-Dichloroethane	0.0200	0.0241		mg/Kg		121	77 - 129	5	30
trans-1,2-Dichloroethene	0.0200	0.0232		mg/Kg		116	78 - 120	4	30
cis-1,2-Dichloroethene	0.0200	0.0237		mg/Kg		119	80 - 123	8	30
Chloroform	0.0200	0.0224		mg/Kg		112	79 - 126	4	30
Vinyl chloride	0.0200	0.0231		mg/Kg		115	72 - 131	7	30
1,2-Dichloroethane	0.0200	0.0221		mg/Kg		110	75 - 123	10	30
2-Butanone (MEK)	0.100	0.109		mg/Kg		109	75 - 120	5	30
1,1,1-Trichloroethane	0.0200	0.0258	*+	mg/Kg		129	78 - 120	8	30

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

Lab Sample ID: LCSD 460-872776/5
Matrix: Solid
Analysis Batch: 872776

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
Carbon tetrachloride			0.0200	0.0314	*+	mg/Kg		157	77 - 121	7	30
Dichlorobromomethane			0.0200	0.0258	*+	mg/Kg		129	73 - 124	5	30
1,2-Dichloropropane			0.0200	0.0238		mg/Kg		119	73 - 124	9	30
cis-1,3-Dichloropropene			0.0200	0.0225		mg/Kg		113	80 - 120	14	30
Trichloroethene			0.0200	0.0228		mg/Kg		114	79 - 120	12	30
Chlorodibromomethane			0.0200	0.0308	*+	mg/Kg		154	80 - 120	7	30
1,1,2-Trichloroethane			0.0200	0.0214		mg/Kg		107	80 - 120	9	30
Benzene			0.0200	0.0211		mg/Kg		106	80 - 123	5	30
trans-1,3-Dichloropropene			0.0200	0.0220		mg/Kg		110	80 - 120	8	30
Bromoform			0.0200	0.0323	*+	mg/Kg		162	70 - 125	8	30
4-Methyl-2-pentanone (MIBK)			0.100	0.112		mg/Kg		112	80 - 122	3	30
2-Hexanone			0.100	0.133	*+	mg/Kg		133	70 - 128	1	30
Tetrachloroethene			0.0200	0.0219		mg/Kg		109	78 - 123	14	30
1,1,2,2-Tetrachloroethane			0.0200	0.0225		mg/Kg		113	66 - 123	5	30
Toluene			0.0200	0.0212		mg/Kg		106	80 - 120	10	30
Chlorobenzene			0.0200	0.0212		mg/Kg		106	80 - 120	11	30
Ethylbenzene			0.0200	0.0215		mg/Kg		107	76 - 120	10	30
Styrene			0.0200	0.0208		mg/Kg		104	80 - 120	12	30
m-Xylene & p-Xylene			0.0200	0.0208		mg/Kg		104	80 - 120	11	30
o-Xylene			0.0200	0.0210		mg/Kg		105	80 - 120	12	30
Acrolein			0.300	0.255		mg/Kg		85	10 - 150	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0246		mg/Kg		123	75 - 141	2	30
TBA			0.200	0.202		mg/Kg		101	80 - 120	1	30
Acrylonitrile			0.200	0.242		mg/Kg		121	66 - 134	9	30
Methyl tert-butyl ether			0.0200	0.0242		mg/Kg		121	80 - 125	10	30
Cyclohexane			0.0200	0.0257		mg/Kg		128	70 - 132	14	30
Ethylene Dibromide			0.0200	0.0207		mg/Kg		104	79 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0212		mg/Kg		106	80 - 120	7	30
1,4-Dichlorobenzene			0.0200	0.0202		mg/Kg		101	80 - 120	2	30
1,2-Dichlorobenzene			0.0200	0.0207		mg/Kg		103	80 - 120	9	30
Dichlorodifluoromethane			0.0200	0.0222		mg/Kg		111	62 - 150	8	30
1,2,4-Trichlorobenzene			0.0200	0.0210		mg/Kg		105	68 - 150	10	30
1,4-Dioxane			0.400	0.467		mg/Kg		117	80 - 136	6	30
1,2,3-Trichlorobenzene			0.0200	0.0222		mg/Kg		111	44 - 120	10	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0217		mg/Kg		108	60 - 124	4	30
Chlorobromomethane			0.0200	0.0223		mg/Kg		111	76 - 127	3	30
Isopropylbenzene			0.0200	0.0215		mg/Kg		107	80 - 120	9	30
Methyl acetate			0.0400	0.0352		mg/Kg		88	58 - 143	1	30
Methylcyclohexane			0.0200	0.0248		mg/Kg		124	70 - 133	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 145*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene	*98*		*75 - 139*
Dibromofluoromethane (Surr)	*107*		*73 - 139*

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

Lab Sample ID: LB 460-872298/1-A
Matrix: Solid
Analysis Batch: 872525

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			10/18/22 12:33	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			10/18/22 12:33	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			10/18/22 12:33	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			10/18/22 12:33	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			10/18/22 12:33	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			10/18/22 12:33	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			10/18/22 12:33	10
Benzene	0.0020	U	0.010	0.0020	mg/L			10/18/22 12:33	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			10/18/22 12:33	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			10/18/22 12:33	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 128*		*10/18/22 12:33*	*10*
Toluene-d8 (Surr)	*110*		*80 - 120*		*10/18/22 12:33*	*10*
4-Bromofluorobenzene	*102*		*76 - 120*		*10/18/22 12:33*	*10*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*10/18/22 12:33*	*10*

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

Lab Sample ID: MB 460-872487/1-A
Matrix: Solid
Analysis Batch: 872561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/17/22 21:26	10/18/22 08:56	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 08:56	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 08:56	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 08:56	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 08:56	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/17/22 21:26	10/18/22 08:56	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/17/22 21:26	10/18/22 08:56	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/17/22 21:26	10/18/22 08:56	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/17/22 21:26	10/18/22 08:56	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/17/22 21:26	10/18/22 08:56	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/17/22 21:26	10/18/22 08:56	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/17/22 21:26	10/18/22 08:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*124*		*52 - 137*	*10/17/22 21:26*	*10/18/22 08:56*	*1*
Phenol-d5 (Surr)	*40*		*10 - 56*	*10/17/22 21:26*	*10/18/22 08:56*	*1*
Terphenyl-d14 (Surr)	*139*		*22 - 150*	*10/17/22 21:26*	*10/18/22 08:56*	*1*
2,4,6-Tribromophenol (Surr)	*134*		*37 - 150*	*10/17/22 21:26*	*10/18/22 08:56*	*1*
2-Fluorophenol (Surr)	*60*		*19 - 80*	*10/17/22 21:26*	*10/18/22 08:56*	*1*
2-Fluorobiphenyl	*133*		*46 - 139*	*10/17/22 21:26*	*10/18/22 08:56*	*1*

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

Lab Sample ID: LCS 460-872487/2-A
Matrix: Solid
Analysis Batch: 872561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872487

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dichlorobenzene			0.0800	0.0371		mg/L		46	35 - 120		
2-Methylphenol			0.0800	0.0518		mg/L		65	44 - 120		
2,4,6-Trichlorophenol			0.0800	0.0770		mg/L		96	61 - 120		
3 & 4 Methylphenol			0.0800	0.0479		mg/L		60	35 - 120		
2,4,5-Trichlorophenol			0.0800	0.0795		mg/L		99	58 - 120		
2,4-Dinitrotoluene			0.0800	0.0792		mg/L		99	68 - 134		
Pentachlorophenol			0.160	0.152		mg/L		95	24 - 131		
Pyridine			0.160	0.0611		mg/L		38	10 - 120		
Hexachloroethane			0.0800	0.0344		mg/L		43	26 - 120		
Nitrobenzene			0.0800	0.0727		mg/L		91	64 - 120		
Hexachlorobutadiene			0.0800	0.0395		mg/L		49	27 - 127		
Hexachlorobenzene			0.0800	0.0741		mg/L		93	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*82*		*52 - 137*
Phenol-d5 (Surr)	*27*		*10 - 56*
Terphenyl-d14 (Surr)	*88*		*22 - 150*
2,4,6-Tribromophenol (Surr)	*89*		*37 - 150*
2-Fluorophenol (Surr)	*41*		*19 - 80*
2-Fluorobiphenyl	*76*		*46 - 139*

Lab Sample ID: LCSD 460-872487/3-A
Matrix: Solid
Analysis Batch: 872561

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872487

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0388		mg/L		49	35 - 120	5	30
2-Methylphenol			0.0800	0.0541		mg/L		68	44 - 120	4	30
2,4,6-Trichlorophenol			0.0800	0.0800		mg/L		100	61 - 120	4	30
3 & 4 Methylphenol			0.0800	0.0477		mg/L		60	35 - 120	1	30
2,4,5-Trichlorophenol			0.0800	0.0814		mg/L		102	58 - 120	2	30
2,4-Dinitrotoluene			0.0800	0.0837		mg/L		105	68 - 134	6	30
Pentachlorophenol			0.160	0.156		mg/L		97	24 - 131	2	30
Pyridine			0.160	0.0644		mg/L		40	10 - 120	5	30
Hexachloroethane			0.0800	0.0362		mg/L		45	26 - 120	5	30
Nitrobenzene			0.0800	0.0757		mg/L		95	64 - 120	4	30
Hexachlorobutadiene			0.0800	0.0372		mg/L		46	27 - 127	6	30
Hexachlorobenzene			0.0800	0.0724		mg/L		90	61 - 128	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*82*		*52 - 137*
Phenol-d5 (Surr)	*29*		*10 - 56*
Terphenyl-d14 (Surr)	*88*		*22 - 150*
2,4,6-Tribromophenol (Surr)	*90*		*37 - 150*
2-Fluorophenol (Surr)	*42*		*19 - 80*
2-Fluorobiphenyl	*77*		*46 - 139*

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

Lab Sample ID: MB 460-872712/1-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.012	U	0.33	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2-Chlorophenol	0.012	U	0.33	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4-Methylphenol	0.021	U	0.33	0.021	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2-Nitrophenol	0.033	U	0.33	0.033	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,4-Dimethylphenol	0.039	U	0.33	0.039	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,4-Dichlorophenol	0.021	U	0.13	0.021	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2-Methylphenol	0.012	U	0.33	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4-Chloro-3-methylphenol	0.019	U	0.33	0.019	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,4,6-Trichlorophenol	0.042	U	0.13	0.042	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,4,5-Trichlorophenol	0.034	U	0.33	0.034	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,4-Dinitrotoluene	0.036	U	0.067	0.036	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4-Nitrophenol	0.054	U	0.67	0.054	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4,6-Dinitro-2-methylphenol	0.14	U	0.27	0.14	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
N-Nitrosodimethylamine	0.031	U	0.33	0.031	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Pentachlorophenol	0.068	U	0.27	0.068	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Bis(2-chloroethyl)ether	0.012	U	0.033	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
N-Nitrosodi-n-propylamine	0.024	U	0.033	0.024	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Hexachloroethane	0.011	U	0.033	0.011	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Nitrobenzene	0.018	U	0.033	0.018	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Isophorone	0.096	U	0.13	0.096	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Naphthalene	0.0057	U	0.33	0.0057	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4-Chloroaniline	0.059	U	0.33	0.059	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Hexachlorobutadiene	0.0070	U	0.067	0.0070	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2-Methylnaphthalene	0.0093	U	0.33	0.0093	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Hexachlorocyclopentadiene	0.029	U	0.33	0.029	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2-Chloronaphthalene	0.015	U	0.33	0.015	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2-Nitroaniline	0.025	U	0.33	0.025	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Dimethyl phthalate	0.075	U	0.33	0.075	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Acenaphthylene	0.0095	U	0.33	0.0095	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,6-Dinitrotoluene	0.024	U	0.067	0.024	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
3-Nitroaniline	0.079	U	0.33	0.079	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Acenaphthene	0.0094	U	0.33	0.0094	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Dibenzofuran	0.011	U	0.33	0.011	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,4-Dinitrophenol	0.16	U	0.27	0.16	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Diethyl phthalate	0.011	U	0.33	0.011	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4-Chlorophenyl phenyl ether	0.012	U	0.33	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Fluorene	0.0097	U	0.33	0.0097	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4-Nitroaniline	0.038	U	0.33	0.038	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
N-Nitrosodiphenylamine	0.027	U	0.33	0.027	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
4-Bromophenyl phenyl ether	0.013	U	0.33	0.013	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Hexachlorobenzene	0.016	U	0.033	0.016	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Phenanthrene	0.0058	U	0.33	0.0058	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Carbazole	0.013	U	0.33	0.013	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Di-n-butyl phthalate	0.012	U	0.33	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Fluoranthene	0.012	U	0.33	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Pyrene	0.0082	U	0.33	0.0082	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Benzidine	0.069	U	0.33	0.069	mg/Kg		10/18/22 21:12	10/19/22 08:27	1

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

Lab Sample ID: MB 460-872712/1-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.016	U	0.33	0.016	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Benzo[a]anthracene	0.012	U	0.033	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Chrysene	0.0056	U	0.33	0.0056	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Di-n-octyl phthalate	0.018	U	0.33	0.018	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Benzo[b]fluoranthene	0.0086	U	0.033	0.0086	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Benzo[k]fluoranthene	0.0065	U	0.033	0.0065	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Benzo[a]pyrene	0.0088	U	0.033	0.0088	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.033	0.013	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Dibenz(a,h)anthracene	0.014	U	0.033	0.014	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Benzo[g,h,i]perylene	0.0098	U	0.33	0.0098	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
1,2-Diphenylhydrazine	0.013	U	0.33	0.013	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
1,1'-Biphenyl	0.012	U	0.33	0.012	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Acetophenone	0.016	U	0.33	0.016	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Benzaldehyde	0.055	U	0.33	0.055	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Caprolactam	0.051	U	0.33	0.051	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Atrazine	0.019	U	0.13	0.019	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,2'-oxybis[1-chloropropane]	0.0060	U	0.33	0.0060	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.33	0.010	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
2,3,4,6-Tetrachlorophenol	0.022	U	0.33	0.022	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
3,3'-Dichlorobenzidine	0.050	U	0.13	0.050	mg/Kg		10/18/22 21:12	10/19/22 08:27	1
Bis(2-chloroethoxy)methane	0.026	U	0.33	0.026	mg/Kg		10/18/22 21:12	10/19/22 08:27	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.472*	*A J*	*mg/Kg*		*2.83*		*10/18/22 21:12*	*10/19/22 08:27*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*66*		*16 - 125*	*10/18/22 21:12*	*10/19/22 08:27*	*1*
Phenol-d5 (Surr)	*59*		*23 - 120*	*10/18/22 21:12*	*10/19/22 08:27*	*1*
Terphenyl-d14 (Surr)	*78*		*25 - 126*	*10/18/22 21:12*	*10/19/22 08:27*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 123*	*10/18/22 21:12*	*10/19/22 08:27*	*1*
2-Fluorophenol (Surr)	*63*		*18 - 123*	*10/18/22 21:12*	*10/19/22 08:27*	*1*
2-Fluorobiphenyl	*72*		*22 - 122*	*10/18/22 21:12*	*10/19/22 08:27*	*1*

Lab Sample ID: LCS 460-872712/2-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	3.33	2.80		mg/Kg		84	63 - 120
2-Chlorophenol	3.33	2.86		mg/Kg		86	63 - 120
4-Methylphenol	3.33	2.66		mg/Kg		80	61 - 120
2-Nitrophenol	3.33	3.18		mg/Kg		95	64 - 120
2,4-Dimethylphenol	3.33	2.88		mg/Kg		86	67 - 120
2,4-Dichlorophenol	3.33	3.18		mg/Kg		95	66 - 120
2-Methylphenol	3.33	2.71		mg/Kg		81	63 - 120
4-Chloro-3-methylphenol	3.33	3.09		mg/Kg		93	66 - 120
2,4,6-Trichlorophenol	3.33	3.24		mg/Kg		97	58 - 120

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

Lab Sample ID: LCS 460-872712/2-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	3.33	3.13		mg/Kg		94	59 - 120
2,4-Dinitrotoluene	3.33	3.64		mg/Kg		109	65 - 124
4-Nitrophenol	6.67	4.54		mg/Kg		68	52 - 123
4,6-Dinitro-2-methylphenol	6.67	7.40		mg/Kg		111	50 - 136
N-Nitrosodimethylamine	3.33	2.33		mg/Kg		70	57 - 120
Pentachlorophenol	6.67	6.17		mg/Kg		93	37 - 126
Bis(2-chloroethyl)ether	3.33	2.58		mg/Kg		77	60 - 120
N-Nitrosodi-n-propylamine	3.33	2.56		mg/Kg		77	61 - 120
Hexachloroethane	3.33	2.82		mg/Kg		85	61 - 120
Nitrobenzene	3.33	2.92		mg/Kg		88	63 - 120
Isophorone	3.33	2.86		mg/Kg		86	67 - 120
Naphthalene	3.33	3.09		mg/Kg		93	63 - 120
4-Chloroaniline	3.33	2.57		mg/Kg		77	15 - 128
Hexachlorobutadiene	3.33	3.36		mg/Kg		101	62 - 120
2-Methylnaphthalene	3.33	2.80		mg/Kg		84	64 - 120
Hexachlorocyclopentadiene	3.33	2.36		mg/Kg		71	38 - 120
2-Chloronaphthalene	3.33	3.11		mg/Kg		93	60 - 120
2-Nitroaniline	3.33	2.43		mg/Kg		73	48 - 120
Dimethyl phthalate	3.33	3.24		mg/Kg		97	65 - 120
Acenaphthylene	3.33	2.96		mg/Kg		89	64 - 120
2,6-Dinitrotoluene	3.33	3.56		mg/Kg		107	67 - 121
3-Nitroaniline	3.33	2.91		mg/Kg		87	39 - 122
Acenaphthene	3.33	3.17		mg/Kg		95	49 - 120
Dibenzofuran	3.33	3.21		mg/Kg		96	61 - 120
2,4-Dinitrophenol	6.67	6.60		mg/Kg		99	36 - 129
Diethyl phthalate	3.33	3.32		mg/Kg		100	63 - 120
4-Chlorophenyl phenyl ether	3.33	3.26		mg/Kg		98	62 - 120
Fluorene	3.33	3.21		mg/Kg		96	60 - 120
4-Nitroaniline	3.33	2.86		mg/Kg		86	55 - 120
N-Nitrosodiphenylamine	3.33	2.99		mg/Kg		90	63 - 120
4-Bromophenyl phenyl ether	3.33	3.10		mg/Kg		93	67 - 120
Hexachlorobenzene	3.33	2.94		mg/Kg		88	66 - 120
Phenanthrene	3.33	3.06		mg/Kg		92	66 - 120
Anthracene	3.33	3.10		mg/Kg		93	67 - 120
Carbazole	3.33	3.07		mg/Kg		92	64 - 120
Di-n-butyl phthalate	3.33	3.23		mg/Kg		97	66 - 120
Fluoranthene	3.33	3.13		mg/Kg		94	61 - 120
Pyrene	3.33	3.19		mg/Kg		96	61 - 121
Benzidine	3.33	1.83		mg/Kg		55	10 - 137
Butyl benzyl phthalate	3.33	3.38		mg/Kg		101	62 - 127
Benzo[a]anthracene	3.33	3.22		mg/Kg		97	62 - 120
Chrysene	3.33	3.13		mg/Kg		94	63 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.35		mg/Kg		101	59 - 125
Di-n-octyl phthalate	3.33	3.45		mg/Kg		104	65 - 133
Benzo[b]fluoranthene	3.33	3.60		mg/Kg		108	70 - 125
Benzo[k]fluoranthene	3.33	3.55		mg/Kg		106	67 - 122
Benzo[a]pyrene	3.33	3.33		mg/Kg		100	73 - 123
Indeno[1,2,3-cd]pyrene	3.33	2.91		mg/Kg		87	62 - 130
Dibenz(a,h)anthracene	3.33	3.53		mg/Kg		106	66 - 128

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

Lab Sample ID: LCS 460-872712/2-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[g,h,i]perylene			3.33	3.07		mg/Kg		92	66 - 120		
1,2-Diphenylhydrazine			3.33	2.70		mg/Kg		81	55 - 125		
1,1'-Biphenyl			3.33	3.09		mg/Kg		93	59 - 120		
Acetophenone			3.33	2.77		mg/Kg		83	61 - 120		
Benzaldehyde			1.33	1.27		mg/Kg		95	34 - 150		
Caprolactam			1.33	1.78		mg/Kg		133	36 - 150		
Atrazine			1.33	1.74		mg/Kg		130	29 - 150		
2,2'-oxybis[1-chloropropane]			3.33	2.48		mg/Kg		75	49 - 126		
1,2,4,5-Tetrachlorobenzene			3.33	3.29		mg/Kg		99	60 - 120		
2,3,4,6-Tetrachlorophenol			3.33	3.33		mg/Kg		100	54 - 120		
3,3'-Dichlorobenzidine			3.33	3.15		mg/Kg		95	13 - 136		
Bis(2-chloroethoxy)methane			3.33	2.67		mg/Kg		80	62 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*69*		*16 - 125*
Phenol-d5 (Surr)	*65*		*23 - 120*
Terphenyl-d14 (Surr)	*80*		*25 - 126*
2,4,6-Tribromophenol (Surr)	*74*		*10 - 123*
2-Fluorophenol (Surr)	*66*		*18 - 123*
2-Fluorobiphenyl	*77*		*22 - 122*

Lab Sample ID: LCSD 460-872712/3-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol			3.33	2.51		mg/Kg		75	63 - 120	11	30
2-Chlorophenol			3.33	2.58		mg/Kg		77	63 - 120	10	30
4-Methylphenol			3.33	2.27		mg/Kg		68	61 - 120	16	30
2-Nitrophenol			3.33	2.84		mg/Kg		85	64 - 120	11	30
2,4-Dimethylphenol			3.33	2.58		mg/Kg		78	67 - 120	11	30
2,4-Dichlorophenol			3.33	2.74		mg/Kg		82	66 - 120	15	30
2-Methylphenol			3.33	2.46		mg/Kg		74	63 - 120	10	30
4-Chloro-3-methylphenol			3.33	2.72		mg/Kg		82	66 - 120	13	30
2,4,6-Trichlorophenol			3.33	2.90		mg/Kg		87	58 - 120	11	30
2,4,5-Trichlorophenol			3.33	2.70		mg/Kg		81	59 - 120	15	30
2,4-Dinitrotoluene			3.33	3.40		mg/Kg		102	65 - 124	7	30
4-Nitrophenol			6.67	5.34		mg/Kg		80	52 - 123	16	30
4,6-Dinitro-2-methylphenol			6.67	6.67		mg/Kg		100	50 - 136	10	30
N-Nitrosodimethylamine			3.33	2.08		mg/Kg		62	57 - 120	11	30
Pentachlorophenol			6.67	5.71		mg/Kg		86	37 - 126	8	30
Bis(2-chloroethyl)ether			3.33	2.31		mg/Kg		69	60 - 120	11	30
N-Nitrosodi-n-propylamine			3.33	2.27		mg/Kg		68	61 - 120	12	30
Hexachloroethane			3.33	2.55		mg/Kg		76	61 - 120	10	30
Nitrobenzene			3.33	2.64		mg/Kg		79	63 - 120	10	30
Isophorone			3.33	2.54		mg/Kg		76	67 - 120	12	30
Naphthalene			3.33	2.72		mg/Kg		82	63 - 120	13	30
4-Chloroaniline			3.33	2.38		mg/Kg		71	15 - 128	7	30

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

Lab Sample ID: LCSD 460-872712/3-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobutadiene			3.33	3.02		mg/Kg		91	62 - 120	11	30
2-Methylnaphthalene			3.33	2.50		mg/Kg		75	64 - 120	11	30
Hexachlorocyclopentadiene			3.33	2.06		mg/Kg		62	38 - 120	14	30
2-Chloronaphthalene			3.33	2.83		mg/Kg		85	60 - 120	9	30
2-Nitroaniline			3.33	2.18		mg/Kg		65	48 - 120	11	30
Dimethyl phthalate			3.33	2.99		mg/Kg		90	65 - 120	8	30
Acenaphthylene			3.33	2.70		mg/Kg		81	64 - 120	9	30
2,6-Dinitrotoluene			3.33	3.26		mg/Kg		98	67 - 121	9	30
3-Nitroaniline			3.33	2.74		mg/Kg		82	39 - 122	6	30
Acenaphthene			3.33	2.83		mg/Kg		85	49 - 120	11	30
Dibenzofuran			3.33	2.89		mg/Kg		87	61 - 120	10	30
2,4-Dinitrophenol			6.67	6.07		mg/Kg		91	36 - 129	8	30
Diethyl phthalate			3.33	3.02		mg/Kg		90	63 - 120	10	30
4-Chlorophenyl phenyl ether			3.33	2.96		mg/Kg		89	62 - 120	10	30
Fluorene			3.33	2.89		mg/Kg		87	60 - 120	10	30
4-Nitroaniline			3.33	2.64		mg/Kg		79	55 - 120	8	30
N-Nitrosodiphenylamine			3.33	2.72		mg/Kg		82	63 - 120	9	30
4-Bromophenyl phenyl ether			3.33	2.77		mg/Kg		83	67 - 120	11	30
Hexachlorobenzene			3.33	2.65		mg/Kg		79	66 - 120	10	30
Phenanthrene			3.33	2.76		mg/Kg		83	66 - 120	11	30
Anthracene			3.33	2.81		mg/Kg		84	67 - 120	10	30
Carbazole			3.33	2.81		mg/Kg		84	64 - 120	9	30
Di-n-butyl phthalate			3.33	2.91		mg/Kg		87	66 - 120	10	30
Fluoranthene			3.33	2.83		mg/Kg		85	61 - 120	10	30
Pyrene			3.33	2.86		mg/Kg		86	61 - 121	11	30
Benzidine			3.33	1.81		mg/Kg		54	10 - 137	1	30
Butyl benzyl phthalate			3.33	3.03		mg/Kg		91	62 - 127	11	30
Benzo[a]anthracene			3.33	3.05		mg/Kg		92	62 - 120	6	30
Chrysene			3.33	2.82		mg/Kg		84	63 - 120	10	30
Bis(2-ethylhexyl) phthalate			3.33	3.02		mg/Kg		90	59 - 125	11	30
Di-n-octyl phthalate			3.33	3.07		mg/Kg		92	65 - 133	12	30
Benzo[b]fluoranthene			3.33	3.19		mg/Kg		96	70 - 125	12	30
Benzo[k]fluoranthene			3.33	3.15		mg/Kg		94	67 - 122	12	30
Benzo[a]pyrene			3.33	3.02		mg/Kg		91	73 - 123	10	30
Indeno[1,2,3-cd]pyrene			3.33	2.63		mg/Kg		79	62 - 130	10	30
Dibenz(a,h)anthracene			3.33	3.09		mg/Kg		93	66 - 128	13	30
Benzo[g,h,i]perylene			3.33	2.73		mg/Kg		82	66 - 120	12	30
1,2-Diphenylhydrazine			3.33	2.46		mg/Kg		74	55 - 125	9	30
1,1'-Biphenyl			3.33	2.75		mg/Kg		83	59 - 120	12	30
Acetophenone			3.33	2.52		mg/Kg		76	61 - 120	9	30
Benzaldehyde			1.33	1.19		mg/Kg		89	34 - 150	7	30
Caprolactam			1.33	1.61		mg/Kg		121	36 - 150	10	30
Atrazine			1.33	1.58		mg/Kg		118	29 - 150	10	30
2,2'-oxybis[1-chloropropane]			3.33	2.26		mg/Kg		68	49 - 126	10	30
1,2,4,5-Tetrachlorobenzene			3.33	2.91		mg/Kg		87	60 - 120	12	30
2,3,4,6-Tetrachlorophenol			3.33	3.03		mg/Kg		91	54 - 120	10	30
3,3'-Dichlorobenzidine			3.33	2.86		mg/Kg		86	13 - 136	10	30
Bis(2-chloroethoxy)methane			3.33	2.38		mg/Kg		71	62 - 120	12	30

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

Lab Sample ID: LCSD 460-872712/3-A
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872712

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*62*		*16 - 125*
Phenol-d5 (Surr)	*58*		*23 - 120*
Terphenyl-d14 (Surr)	*71*		*25 - 126*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 123*
2-Fluorophenol (Surr)	*58*		*18 - 123*
2-Fluorobiphenyl	*69*		*22 - 122*

Lab Sample ID: 460-267205-E-1-B MS
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 872712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	0.013	U	3.69	2.65		mg/Kg	☼	72	63 - 120
2-Chlorophenol	0.013	U	3.69	2.69		mg/Kg	☼	73	63 - 120
4-Methylphenol	0.023	U	3.69	2.42		mg/Kg	☼	66	61 - 120
2-Nitrophenol	0.037	U	3.69	3.03		mg/Kg	☼	82	64 - 120
2,4-Dimethylphenol	0.044	U	3.69	2.79		mg/Kg	☼	76	67 - 120
2,4-Dichlorophenol	0.023	U	3.69	3.06		mg/Kg	☼	83	66 - 120
2-Methylphenol	0.014	U	3.69	2.56		mg/Kg	☼	69	63 - 120
4-Chloro-3-methylphenol	0.021	U	3.69	2.96		mg/Kg	☼	80	66 - 120
2,4,6-Trichlorophenol	0.047	U	3.69	3.22		mg/Kg	☼	87	58 - 120
2,4,5-Trichlorophenol	0.037	U	3.69	3.15		mg/Kg	☼	85	59 - 120
2,4-Dinitrotoluene	0.039	U	3.69	3.71		mg/Kg	☼	101	65 - 124
4-Nitrophenol	0.060	U	7.37	5.96		mg/Kg	☼	81	52 - 123
4,6-Dinitro-2-methylphenol	0.15	U	7.37	6.08		mg/Kg	☼	83	50 - 136
N-Nitrosodimethylamine	0.034	U	3.69	2.18		mg/Kg	☼	59	57 - 120
Pentachlorophenol	0.075	U	7.37	5.94		mg/Kg	☼	81	37 - 126
Bis(2-chloroethyl)ether	0.013	U	3.69	2.44		mg/Kg	☼	66	60 - 120
N-Nitrosodi-n-propylamine	0.027	U	3.69	2.46		mg/Kg	☼	67	61 - 120
Hexachloroethane	0.013	U	3.69	2.80		mg/Kg	☼	76	61 - 120
Nitrobenzene	0.020	U	3.69	2.72		mg/Kg	☼	74	63 - 120
Isophorone	0.11	U	3.69	2.76		mg/Kg	☼	75	67 - 120
Naphthalene	0.061	J	3.69	2.96		mg/Kg	☼	79	63 - 120
4-Chloroaniline	0.065	U	3.69	2.70		mg/Kg	☼	73	15 - 128
Hexachlorobutadiene	0.0078	U	3.69	3.24		mg/Kg	☼	88	62 - 120
2-Methylnaphthalene	0.077	J	3.69	2.80		mg/Kg	☼	74	64 - 120
Hexachlorocyclopentadiene	0.032	U	3.69	2.14		mg/Kg	☼	58	38 - 120
2-Chloronaphthalene	0.017	U	3.69	3.11		mg/Kg	☼	84	60 - 120
2-Nitroaniline	0.028	U	3.69	2.35		mg/Kg	☼	64	48 - 120
Dimethyl phthalate	0.083	U	3.69	3.27		mg/Kg	☼	89	65 - 120
Acenaphthylene	0.015	J	3.69	3.01		mg/Kg	☼	81	64 - 120
2,6-Dinitrotoluene	0.026	U	3.69	3.51		mg/Kg	☼	95	67 - 121
3-Nitroaniline	0.087	U	3.69	2.93		mg/Kg	☼	80	39 - 122
Acenaphthene	0.028	J	3.69	3.18		mg/Kg	☼	86	49 - 120
Dibenzofuran	0.030	J	3.69	3.25		mg/Kg	☼	87	61 - 120
2,4-Dinitrophenol	0.18	U	7.37	5.08		mg/Kg	☼	69	36 - 129
Diethyl phthalate	0.012	U	3.69	3.31		mg/Kg	☼	90	63 - 120
4-Chlorophenyl phenyl ether	0.013	U	3.69	3.30		mg/Kg	☼	90	62 - 120

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

Lab Sample ID: 460-267205-E-1-B MS
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 872712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	0.043	J	3.69	3.27		mg/Kg	☼	87	60 - 120
4-Nitroaniline	0.042	U	3.69	2.78		mg/Kg	☼	76	55 - 120
N-Nitrosodiphenylamine	0.030	U	3.69	2.97		mg/Kg	☼	81	63 - 120
4-Bromophenyl phenyl ether	0.015	U	3.69	3.13		mg/Kg	☼	85	67 - 120
Hexachlorobenzene	0.017	U	3.69	2.94		mg/Kg	☼	80	66 - 120
Phenanthrene	0.076	J	3.69	3.13		mg/Kg	☼	83	66 - 120
Anthracene	0.023	J	3.69	3.09		mg/Kg	☼	83	67 - 120
Carbazole	0.014	U	3.69	2.99		mg/Kg	☼	81	64 - 120
Di-n-butyl phthalate	0.014	U	3.69	3.28		mg/Kg	☼	89	66 - 120
Fluoranthene	0.091	J	3.69	3.29		mg/Kg	☼	87	61 - 120
Pyrene	0.077	J	3.69	3.27		mg/Kg	☼	87	61 - 121
Benzidine	0.077	U	3.69	2.21		mg/Kg	☼	60	10 - 137
Butyl benzyl phthalate	0.017	U	3.69	3.37		mg/Kg	☼	91	62 - 127
Benzo[a]anthracene	0.052		3.69	3.33		mg/Kg	☼	89	62 - 120
Chrysene	0.045	J	3.69	3.10		mg/Kg	☼	83	63 - 120
Bis(2-ethylhexyl) phthalate	0.019	U	3.69	3.34		mg/Kg	☼	90	59 - 125
Di-n-octyl phthalate	0.019	U	3.69	3.43		mg/Kg	☼	93	65 - 133
Benzo[b]fluoranthene	0.056		3.69	3.86		mg/Kg	☼	103	70 - 125
Benzo[k]fluoranthene	0.028	J	3.69	3.34		mg/Kg	☼	90	67 - 122
Benzo[a]pyrene	0.047		3.69	3.38		mg/Kg	☼	91	73 - 123
Indeno[1,2,3-cd]pyrene	0.086		3.69	3.16		mg/Kg	☼	83	62 - 130
Dibenz(a,h)anthracene	0.016	U	3.69	3.50		mg/Kg	☼	95	66 - 128
Benzo[g,h,i]perylene	0.035	J	3.69	3.17		mg/Kg	☼	85	66 - 120
1,2-Diphenylhydrazine	0.014	U	3.69	2.69		mg/Kg	☼	73	55 - 125
1,1'-Biphenyl	0.013	U	3.69	3.01		mg/Kg	☼	82	59 - 120
Acetophenone	0.018	U	3.69	2.64		mg/Kg	☼	72	61 - 120
Benzaldehyde	0.060	U	1.47	1.21	E	mg/Kg	☼	82	34 - 150
Caprolactam	0.057	U	1.47	1.87		mg/Kg	☼	127	36 - 150
Atrazine	0.022	U	1.47	1.81		mg/Kg	☼	123	29 - 150
2,2'-oxybis[1-chloropropane]	0.0066	U	3.69	2.39		mg/Kg	☼	65	49 - 126
1,2,4,5-Tetrachlorobenzene	0.011	U	3.69	3.17		mg/Kg	☼	86	60 - 120
2,3,4,6-Tetrachlorophenol	0.025	U	3.69	3.37		mg/Kg	☼	91	54 - 120
3,3'-Dichlorobenzidine	0.055	U	3.69	3.23		mg/Kg	☼	88	13 - 136
Bis(2-chloroethoxy)methane	0.028	U	3.69	2.58		mg/Kg	☼	70	62 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*60*		*16 - 125*
Phenol-d5 (Surr)	*54*		*23 - 120*
Terphenyl-d14 (Surr)	*70*		*25 - 126*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 123*
2-Fluorophenol (Surr)	*56*		*18 - 123*
2-Fluorobiphenyl	*66*		*22 - 122*

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

Lab Sample ID: 460-267205-E-1-C MSD
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 872712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol	0.013	U	3.69	2.63		mg/Kg	☼	71	63 - 120	1	30
2-Chlorophenol	0.013	U	3.69	2.64		mg/Kg	☼	72	63 - 120	2	30
4-Methylphenol	0.023	U	3.69	2.32		mg/Kg	☼	63	61 - 120	5	30
2-Nitrophenol	0.037	U	3.69	3.02		mg/Kg	☼	82	64 - 120	0	30
2,4-Dimethylphenol	0.044	U	3.69	2.86		mg/Kg	☼	78	67 - 120	2	30
2,4-Dichlorophenol	0.023	U	3.69	3.12		mg/Kg	☼	84	66 - 120	2	30
2-Methylphenol	0.014	U	3.69	2.58		mg/Kg	☼	70	63 - 120	1	30
4-Chloro-3-methylphenol	0.021	U	3.69	3.08		mg/Kg	☼	83	66 - 120	4	30
2,4,6-Trichlorophenol	0.047	U	3.69	3.33		mg/Kg	☼	90	58 - 120	3	30
2,4,5-Trichlorophenol	0.037	U	3.69	3.19		mg/Kg	☼	87	59 - 120	1	30
2,4-Dinitrotoluene	0.039	U	3.69	3.70		mg/Kg	☼	100	65 - 124	0	30
4-Nitrophenol	0.060	U	7.38	6.10		mg/Kg	☼	83	52 - 123	2	30
4,6-Dinitro-2-methylphenol	0.15	U	7.38	6.17		mg/Kg	☼	84	50 - 136	1	30
N-Nitrosodimethylamine	0.034	U	3.69	2.16		mg/Kg	☼	58	57 - 120	1	30
Pentachlorophenol	0.075	U	7.38	6.00		mg/Kg	☼	81	37 - 126	1	30
Bis(2-chloroethyl)ether	0.013	U	3.69	2.42		mg/Kg	☼	66	60 - 120	1	30
N-Nitrosodi-n-propylamine	0.027	U	3.69	2.48		mg/Kg	☼	67	61 - 120	1	30
Hexachloroethane	0.013	U	3.69	2.71		mg/Kg	☼	73	61 - 120	3	30
Nitrobenzene	0.020	U	3.69	2.77		mg/Kg	☼	75	63 - 120	2	30
Isophorone	0.11	U	3.69	2.74		mg/Kg	☼	74	67 - 120	1	30
Naphthalene	0.061	J	3.69	2.96		mg/Kg	☼	79	63 - 120	0	30
4-Chloroaniline	0.065	U	3.69	2.64		mg/Kg	☼	72	15 - 128	2	30
Hexachlorobutadiene	0.0078	U	3.69	3.19		mg/Kg	☼	87	62 - 120	1	30
2-Methylnaphthalene	0.077	J	3.69	2.76		mg/Kg	☼	73	64 - 120	1	30
Hexachlorocyclopentadiene	0.032	U	3.69	2.15		mg/Kg	☼	58	38 - 120	1	30
2-Chloronaphthalene	0.017	U	3.69	3.13		mg/Kg	☼	85	60 - 120	1	30
2-Nitroaniline	0.028	U	3.69	2.38		mg/Kg	☼	65	48 - 120	1	30
Dimethyl phthalate	0.083	U	3.69	3.30		mg/Kg	☼	90	65 - 120	1	30
Acenaphthylene	0.015	J	3.69	3.04		mg/Kg	☼	82	64 - 120	1	30
2,6-Dinitrotoluene	0.026	U	3.69	3.56		mg/Kg	☼	97	67 - 121	2	30
3-Nitroaniline	0.087	U	3.69	3.00		mg/Kg	☼	81	39 - 122	2	30
Acenaphthene	0.028	J	3.69	3.15		mg/Kg	☼	85	49 - 120	1	30
Dibenzofuran	0.030	J	3.69	3.30		mg/Kg	☼	89	61 - 120	1	30
2,4-Dinitrophenol	0.18	U	7.38	5.56		mg/Kg	☼	75	36 - 129	9	30
Diethyl phthalate	0.012	U	3.69	3.37		mg/Kg	☼	91	63 - 120	2	30
4-Chlorophenyl phenyl ether	0.013	U	3.69	3.26		mg/Kg	☼	88	62 - 120	1	30
Fluorene	0.043	J	3.69	3.29		mg/Kg	☼	88	60 - 120	1	30
4-Nitroaniline	0.042	U	3.69	2.84		mg/Kg	☼	77	55 - 120	2	30
N-Nitrosodiphenylamine	0.030	U	3.69	3.03		mg/Kg	☼	82	63 - 120	2	30
4-Bromophenyl phenyl ether	0.015	U	3.69	3.16		mg/Kg	☼	86	67 - 120	1	30
Hexachlorobenzene	0.017	U	3.69	3.00		mg/Kg	☼	81	66 - 120	2	30
Phenanthrene	0.076	J	3.69	3.11		mg/Kg	☼	82	66 - 120	1	30
Anthracene	0.023	J	3.69	3.15		mg/Kg	☼	85	67 - 120	2	30
Carbazole	0.014	U	3.69	3.04		mg/Kg	☼	82	64 - 120	2	30
Di-n-butyl phthalate	0.014	U	3.69	3.32		mg/Kg	☼	90	66 - 120	1	30
Fluoranthene	0.091	J	3.69	3.23		mg/Kg	☼	85	61 - 120	2	30
Pyrene	0.077	J	3.69	3.28		mg/Kg	☼	87	61 - 121	0	30
Benzidine	0.077	U	3.69	2.24		mg/Kg	☼	61	10 - 137	1	30

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

Lab Sample ID: 460-267205-E-1-C MSD
Matrix: Solid
Analysis Batch: 872763

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 872712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Butyl benzyl phthalate	0.017	U	3.69	3.45		mg/Kg	☼	93	62 - 127	2	30
Benzo[a]anthracene	0.052		3.69	3.32		mg/Kg	☼	89	62 - 120	0	30
Chrysene	0.045	J	3.69	3.16		mg/Kg	☼	84	63 - 120	2	30
Bis(2-ethylhexyl) phthalate	0.019	U	3.69	3.41		mg/Kg	☼	92	59 - 125	2	30
Di-n-octyl phthalate	0.019	U	3.69	3.50		mg/Kg	☼	95	65 - 133	2	30
Benzo[b]fluoranthene	0.056		3.69	3.87		mg/Kg	☼	103	70 - 125	0	30
Benzo[k]fluoranthene	0.028	J	3.69	3.40		mg/Kg	☼	91	67 - 122	2	30
Benzo[a]pyrene	0.047		3.69	3.48		mg/Kg	☼	93	73 - 123	3	30
Indeno[1,2,3-cd]pyrene	0.086		3.69	3.10		mg/Kg	☼	82	62 - 130	2	30
Dibenz(a,h)anthracene	0.016	U	3.69	3.82		mg/Kg	☼	104	66 - 128	9	30
Benzo[g,h,i]perylene	0.035	J	3.69	3.26		mg/Kg	☼	87	66 - 120	3	30
1,2-Diphenylhydrazine	0.014	U	3.69	2.69		mg/Kg	☼	73	55 - 125	0	30
1,1'-Biphenyl	0.013	U	3.69	3.05		mg/Kg	☼	83	59 - 120	1	30
Acetophenone	0.018	U	3.69	2.65		mg/Kg	☼	72	61 - 120	0	30
Benzaldehyde	0.060	U	1.48	1.25	E	mg/Kg	☼	85	34 - 150	3	30
Caprolactam	0.057	U	1.48	1.99		mg/Kg	☼	135	36 - 150	6	30
Atrazine	0.022	U	1.48	1.83		mg/Kg	☼	124	29 - 150	1	30
2,2'-oxybis[1-chloropropane]	0.0066	U	3.69	2.36		mg/Kg	☼	64	49 - 126	1	30
1,2,4,5-Tetrachlorobenzene	0.011	U	3.69	3.20		mg/Kg	☼	87	60 - 120	1	30
2,3,4,6-Tetrachlorophenol	0.025	U	3.69	3.40		mg/Kg	☼	92	54 - 120	1	30
3,3'-Dichlorobenzidine	0.055	U	3.69	3.28		mg/Kg	☼	89	13 - 136	2	30
Bis(2-chloroethoxy)methane	0.028	U	3.69	2.61		mg/Kg	☼	71	62 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*59*		*16 - 125*
Phenol-d5 (Surr)	*54*		*23 - 120*
Terphenyl-d14 (Surr)	*72*		*25 - 126*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 123*
2-Fluorophenol (Surr)	*54*		*18 - 123*
2-Fluorobiphenyl	*67*		*22 - 122*

Lab Sample ID: LB 460-872277/1-C
Matrix: Solid
Analysis Batch: 872561

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 872487

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00040	U	0.010	0.00040	mg/L		10/17/22 21:26	10/18/22 10:20	1
2-Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 10:20	1
2,4,6-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 10:20	1
3 & 4 Methylphenol	0.00060	U	0.010	0.00060	mg/L		10/17/22 21:26	10/18/22 10:20	1
2,4,5-Trichlorophenol	0.00080	U	0.010	0.00080	mg/L		10/17/22 21:26	10/18/22 10:20	1
2,4-Dinitrotoluene	0.0010	U	0.010	0.0010	mg/L		10/17/22 21:26	10/18/22 10:20	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		10/17/22 21:26	10/18/22 10:20	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		10/17/22 21:26	10/18/22 10:20	1
Hexachloroethane	0.0012	U	0.0020	0.0012	mg/L		10/17/22 21:26	10/18/22 10:20	1
Nitrobenzene	0.00060	U	0.0010	0.00060	mg/L		10/17/22 21:26	10/18/22 10:20	1
Hexachlorobutadiene	0.00080	U	0.0020	0.00080	mg/L		10/17/22 21:26	10/18/22 10:20	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		10/17/22 21:26	10/18/22 10:20	1

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

Lab Sample ID: LB 460-872277/1-C
Matrix: Solid
Analysis Batch: 872561

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 872487

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	122		52 - 137	10/17/22 21:26	10/18/22 10:20	1
Phenol-d5 (Surr)	40		10 - 56	10/17/22 21:26	10/18/22 10:20	1
Terphenyl-d14 (Surr)	143		22 - 150	10/17/22 21:26	10/18/22 10:20	1
2,4,6-Tribromophenol (Surr)	128		37 - 150	10/17/22 21:26	10/18/22 10:20	1
2-Fluorophenol (Surr)	61		19 - 80	10/17/22 21:26	10/18/22 10:20	1
2-Fluorobiphenyl	127		46 - 139	10/17/22 21:26	10/18/22 10:20	1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-872489/1-A
Matrix: Solid
Analysis Batch: 872514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872489

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/17/22 21:29	10/18/22 09:55	1
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/17/22 21:29	10/18/22 09:55	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 09:55	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 09:55	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/17/22 21:29	10/18/22 09:55	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/17/22 21:29	10/18/22 09:55	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/17/22 21:29	10/18/22 09:55	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/17/22 21:29	10/18/22 09:55	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/17/22 21:29	10/18/22 09:55	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/17/22 21:29	10/18/22 09:55	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 09:55	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 09:55	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/17/22 21:29	10/18/22 09:55	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/17/22 21:29	10/18/22 09:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		15 - 121	10/17/22 21:29	10/18/22 09:55	1
DCB Decachlorobiphenyl	94		15 - 121	10/17/22 21:29	10/18/22 09:55	1
Tetrachloro-m-xylene	72		17 - 120	10/17/22 21:29	10/18/22 09:55	1
Tetrachloro-m-xylene	72		17 - 120	10/17/22 21:29	10/18/22 09:55	1

Lab Sample ID: LCS 460-872489/2-A
Matrix: Solid
Analysis Batch: 872514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872489

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin	0.000800	0.000644		mg/L		81	57 - 135
Endrin	0.000800	0.000693		mg/L		87	57 - 135
gamma-BHC (Lindane)	0.000800	0.000687		mg/L		86	65 - 123
gamma-BHC (Lindane)	0.000800	0.000737		mg/L		92	65 - 123
Heptachlor	0.000800	0.000686		mg/L		86	59 - 120
Heptachlor	0.000800	0.000726		mg/L		91	59 - 120
Heptachlor epoxide	0.000800	0.000672		mg/L		84	59 - 128
Heptachlor epoxide	0.000800	0.000716		mg/L		90	59 - 128

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

Lab Sample ID: LCS 460-872489/2-A
Matrix: Solid
Analysis Batch: 872514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872489

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methoxychlor			0.000800	0.000878		mg/L		110	35 - 138		
Methoxychlor			0.000800	0.000818		mg/L		102	35 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*15 - 121*
DCB Decachlorobiphenyl	*90*		*15 - 121*
Tetrachloro-m-xylene	*73*		*17 - 120*
Tetrachloro-m-xylene	*75*		*17 - 120*

Lab Sample ID: LCSD 460-872489/3-A
Matrix: Solid
Analysis Batch: 872514

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872489

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin			0.000800	0.000653		mg/L		82	57 - 135	1	30
Endrin			0.000800	0.000681		mg/L		85	57 - 135	2	30
gamma-BHC (Lindane)			0.000800	0.000691		mg/L		86	65 - 123	1	30
gamma-BHC (Lindane)			0.000800	0.000719		mg/L		90	65 - 123	2	30
Heptachlor			0.000800	0.000693		mg/L		87	59 - 120	1	30
Heptachlor			0.000800	0.000708		mg/L		88	59 - 120	2	30
Heptachlor epoxide			0.000800	0.000684		mg/L		85	59 - 128	2	30
Heptachlor epoxide			0.000800	0.000706		mg/L		88	59 - 128	1	30
Methoxychlor			0.000800	0.000890		mg/L		111	35 - 138	1	30
Methoxychlor			0.000800	0.000800		mg/L		100	35 - 138	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*15 - 121*
DCB Decachlorobiphenyl	*93*		*15 - 121*
Tetrachloro-m-xylene	*77*		*17 - 120*
Tetrachloro-m-xylene	*77*		*17 - 120*

Lab Sample ID: MB 460-872907/1-A
Matrix: Solid
Analysis Batch: 872975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872907

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		10/19/22 18:36	10/20/22 04:31	1

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

Lab Sample ID: MB 460-872907/1-A
Matrix: Solid
Analysis Batch: 872975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872907

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.016	U	0.067	0.016	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Chlordane (technical)	0.016	U	0.067	0.016	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		10/19/22 18:36	10/20/22 04:31	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		10/19/22 18:36	10/20/22 04:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*43 - 150*	*10/19/22 18:36*	*10/20/22 04:31*	*1*
DCB Decachlorobiphenyl	*75*		*43 - 150*	*10/19/22 18:36*	*10/20/22 04:31*	*1*
Tetrachloro-m-xylene	*71*		*26 - 137*	*10/19/22 18:36*	*10/20/22 04:31*	*1*
Tetrachloro-m-xylene	*66*		*26 - 137*	*10/19/22 18:36*	*10/20/22 04:31*	*1*

Lab Sample ID: LCS 460-872907/2-A
Matrix: Solid
Analysis Batch: 872975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872907

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.111		mg/Kg		83	64 - 132
4,4'-DDD	0.133	0.122		mg/Kg		91	64 - 132
4,4'-DDE	0.133	0.110		mg/Kg		83	71 - 137
4,4'-DDE	0.133	0.116		mg/Kg		87	71 - 137
4,4'-DDT	0.133	0.110		mg/Kg		83	55 - 138
4,4'-DDT	0.133	0.124		mg/Kg		93	55 - 138
Aldrin	0.133	0.117		mg/Kg		88	67 - 130
Aldrin	0.133	0.121		mg/Kg		91	67 - 130

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

Lab Sample ID: LCS 460-872907/2-A
Matrix: Solid
Analysis Batch: 872975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872907

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	0.133	0.116		mg/Kg		87	72 - 132
alpha-BHC	0.133	0.122		mg/Kg		91	72 - 132
beta-BHC	0.133	0.128		mg/Kg		96	71 - 137
beta-BHC	0.133	0.113		mg/Kg		84	71 - 137
delta-BHC	0.133	0.122		mg/Kg		91	61 - 143
delta-BHC	0.133	0.129		mg/Kg		97	61 - 143
Dieldrin	0.133	0.108		mg/Kg		81	66 - 135
Dieldrin	0.133	0.121		mg/Kg		91	66 - 135
Endosulfan I	0.133	0.109		mg/Kg		82	64 - 135
Endosulfan I	0.133	0.115		mg/Kg		86	64 - 135
Endosulfan II	0.133	0.111		mg/Kg		83	64 - 130
Endosulfan II	0.133	0.123		mg/Kg		92	64 - 130
Endosulfan sulfate	0.133	0.111		mg/Kg		83	61 - 134
Endosulfan sulfate	0.133	0.130		mg/Kg		97	61 - 134
Endrin	0.133	0.108		mg/Kg		81	63 - 136
Endrin	0.133	0.119		mg/Kg		89	63 - 136
Endrin aldehyde	0.133	0.108		mg/Kg		81	60 - 132
Endrin aldehyde	0.133	0.115		mg/Kg		86	60 - 132
Endrin ketone	0.133	0.119		mg/Kg		89	48 - 150
Endrin ketone	0.133	0.134		mg/Kg		100	48 - 150
gamma-BHC (Lindane)	0.133	0.122		mg/Kg		91	70 - 134
gamma-BHC (Lindane)	0.133	0.123		mg/Kg		92	70 - 134
Heptachlor	0.133	0.114		mg/Kg		86	62 - 134
Heptachlor	0.133	0.119		mg/Kg		89	62 - 134
Heptachlor epoxide	0.133	0.110		mg/Kg		83	65 - 127
Heptachlor epoxide	0.133	0.114		mg/Kg		86	65 - 127
Methoxychlor	0.133	0.105		mg/Kg		79	49 - 128
Methoxychlor	0.133	0.115		mg/Kg		86	49 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*43 - 150*
DCB Decachlorobiphenyl	*77*		*43 - 150*
Tetrachloro-m-xylene	*73*		*26 - 137*
Tetrachloro-m-xylene	*69*		*26 - 137*

Lab Sample ID: LCSD 460-872907/3-A
Matrix: Solid
Analysis Batch: 872975

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872907

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.133	0.120		mg/Kg		90	64 - 132	8	30
4,4'-DDD	0.133	0.130		mg/Kg		97	64 - 132	6	30
4,4'-DDE	0.133	0.118		mg/Kg		89	71 - 137	7	30
4,4'-DDE	0.133	0.122		mg/Kg		92	71 - 137	5	30
4,4'-DDT	0.133	0.118		mg/Kg		89	55 - 138	7	30
4,4'-DDT	0.133	0.131		mg/Kg		98	55 - 138	5	30
Aldrin	0.133	0.126		mg/Kg		95	67 - 130	7	30
Aldrin	0.133	0.129		mg/Kg		97	67 - 130	7	30

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

Lab Sample ID: LCSD 460-872907/3-A
Matrix: Solid
Analysis Batch: 872975

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872907

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC			0.133	0.124		mg/Kg		93	72 - 132	6	30
alpha-BHC			0.133	0.129		mg/Kg		97	72 - 132	6	30
beta-BHC			0.133	0.136		mg/Kg		102	71 - 137	6	30
beta-BHC			0.133	0.119		mg/Kg		89	71 - 137	6	30
delta-BHC			0.133	0.130		mg/Kg		98	61 - 143	7	30
delta-BHC			0.133	0.136		mg/Kg		102	61 - 143	6	30
Dieldrin			0.133	0.116		mg/Kg		87	66 - 135	7	30
Dieldrin			0.133	0.129		mg/Kg		97	66 - 135	6	30
Endosulfan I			0.133	0.118		mg/Kg		88	64 - 135	8	30
Endosulfan I			0.133	0.121		mg/Kg		91	64 - 135	6	30
Endosulfan II			0.133	0.119		mg/Kg		90	64 - 130	8	30
Endosulfan II			0.133	0.131		mg/Kg		98	64 - 130	7	30
Endosulfan sulfate			0.133	0.119		mg/Kg		89	61 - 134	7	30
Endosulfan sulfate			0.133	0.139		mg/Kg		105	61 - 134	7	30
Endrin			0.133	0.116		mg/Kg		87	63 - 136	7	30
Endrin			0.133	0.127		mg/Kg		95	63 - 136	6	30
Endrin aldehyde			0.133	0.117		mg/Kg		88	60 - 132	7	30
Endrin aldehyde			0.133	0.125		mg/Kg		94	60 - 132	9	30
Endrin ketone			0.133	0.128		mg/Kg		96	48 - 150	7	30
Endrin ketone			0.133	0.144		mg/Kg		108	48 - 150	7	30
gamma-BHC (Lindane)			0.133	0.130		mg/Kg		98	70 - 134	7	30
gamma-BHC (Lindane)			0.133	0.131		mg/Kg		98	70 - 134	6	30
Heptachlor			0.133	0.123		mg/Kg		92	62 - 134	7	30
Heptachlor			0.133	0.128		mg/Kg		96	62 - 134	7	30
Heptachlor epoxide			0.133	0.119		mg/Kg		89	65 - 127	7	30
Heptachlor epoxide			0.133	0.121		mg/Kg		91	65 - 127	6	30
Methoxychlor			0.133	0.113		mg/Kg		85	49 - 128	7	30
Methoxychlor			0.133	0.121		mg/Kg		91	49 - 128	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*43 - 150*
DCB Decachlorobiphenyl	*82*		*43 - 150*
Tetrachloro-m-xylene	*77*		*26 - 137*
Tetrachloro-m-xylene	*73*		*26 - 137*

Lab Sample ID: LB 460-872277/1-D
Matrix: Solid
Analysis Batch: 872514

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 872489

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		10/17/22 21:29	10/18/22 10:09	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 10:09	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		10/17/22 21:29	10/18/22 10:09	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		10/17/22 21:29	10/18/22 10:09	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		10/17/22 21:29	10/18/22 10:09	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		10/17/22 21:29	10/18/22 10:09	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		10/17/22 21:29	10/18/22 10:09	1

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

Lab Sample ID: LB 460-872277/1-D
Matrix: Solid
Analysis Batch: 872514

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 872489

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		15 - 121	10/17/22 21:29	10/18/22 10:09	1
DCB Decachlorobiphenyl	64		15 - 121	10/17/22 21:29	10/18/22 10:09	1
Tetrachloro-m-xylene	51		17 - 120	10/17/22 21:29	10/18/22 10:09	1
Tetrachloro-m-xylene	49		17 - 120	10/17/22 21:29	10/18/22 10:09	1

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

Lab Sample ID: MB 460-872029/1-A
Matrix: Solid
Analysis Batch: 872363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1016	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1221	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1221	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1232	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1232	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1242	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1242	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1248	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1248	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1254	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1254	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1260	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1260	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor-1262	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor-1262	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1268	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Aroclor 1268	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Polychlorinated biphenyls, Total	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1
Polychlorinated biphenyls, Total	0.018	U	0.067	0.018	mg/Kg		10/14/22 17:04	10/17/22 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		10 - 150	10/14/22 17:04	10/17/22 10:50	1
DCB Decachlorobiphenyl	107		10 - 150	10/14/22 17:04	10/17/22 10:50	1
Tetrachloro-m-xylene	81		42 - 150	10/14/22 17:04	10/17/22 10:50	1
Tetrachloro-m-xylene	100		42 - 150	10/14/22 17:04	10/17/22 10:50	1

Lab Sample ID: LCS 460-872029/2-A
Matrix: Solid
Analysis Batch: 872363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.265		mg/Kg		79	65 - 133
Aroclor 1016	0.333	0.332		mg/Kg		100	65 - 133
Aroclor 1260	0.333	0.263		mg/Kg		79	67 - 150
Aroclor 1260	0.333	0.324		mg/Kg		97	67 - 150

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

Lab Sample ID: LCS 460-872029/2-A
Matrix: Solid
Analysis Batch: 872363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872029

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*96*		*10 - 150*
DCB Decachlorobiphenyl	*114*		*10 - 150*
Tetrachloro-m-xylene	*85*		*42 - 150*
Tetrachloro-m-xylene	*108*		*42 - 150*

Lab Sample ID: LCSD 460-872029/3-A
Matrix: Solid
Analysis Batch: 872363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872029

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.276		mg/Kg		83	65 - 133	4	30
Aroclor 1016			0.333	0.340		mg/Kg		102	65 - 133	2	30
Aroclor 1260			0.333	0.275		mg/Kg		83	67 - 150	4	30
Aroclor 1260			0.333	0.335		mg/Kg		100	67 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*10 - 150*
DCB Decachlorobiphenyl	*117*		*10 - 150*
Tetrachloro-m-xylene	*88*		*42 - 150*
Tetrachloro-m-xylene	*111*		*42 - 150*

Lab Sample ID: 460-267384-A-1-G MS
Matrix: Solid
Analysis Batch: 872363

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 872029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.020	U	0.379	0.295		mg/Kg	☼	78	65 - 133
Aroclor 1016	0.020	U	0.379	0.352		mg/Kg	☼	93	65 - 133
Aroclor 1260	0.020	U	0.379	0.295		mg/Kg	☼	78	67 - 150
Aroclor 1260	0.020	U	0.379	0.339		mg/Kg	☼	89	67 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 150*
DCB Decachlorobiphenyl	*105*		*10 - 150*
Tetrachloro-m-xylene	*75*		*42 - 150*
Tetrachloro-m-xylene	*96*		*42 - 150*

Lab Sample ID: 460-267384-A-1-H MSD
Matrix: Solid
Analysis Batch: 872363

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 872029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.020	U	0.379	0.288		mg/Kg	☼	76	65 - 133	2	30
Aroclor 1016	0.020	U	0.379	0.351		mg/Kg	☼	92	65 - 133	1	30
Aroclor 1260	0.020	U	0.379	0.291		mg/Kg	☼	77	67 - 150	1	30
Aroclor 1260	0.020	U	0.379	0.337		mg/Kg	☼	89	67 - 150	1	30

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

Lab Sample ID: 460-267384-A-1-H MSD
Matrix: Solid
Analysis Batch: 872363

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 872029

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	84		10 - 150
DCB Decachlorobiphenyl	107		10 - 150
Tetrachloro-m-xylene	75		42 - 150
Tetrachloro-m-xylene	98		42 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-872599/1-A
Matrix: Solid
Analysis Batch: 872764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872599

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		10/18/22 10:44	10/19/22 08:13	1
2,4-D	0.00018	U	0.0030	0.00018	mg/L		10/18/22 10:44	10/19/22 08:13	1
Silvex (2,4,5-TP)	0.00014	U	0.0030	0.00014	mg/L		10/18/22 10:44	10/19/22 08:13	1
Silvex (2,4,5-TP)	0.00014	U	0.0030	0.00014	mg/L		10/18/22 10:44	10/19/22 08:13	1
2,4,5-T	0.000072	U	0.0030	0.000072	mg/L		10/18/22 10:44	10/19/22 08:13	1
2,4,5-T	0.000072	U	0.0030	0.000072	mg/L		10/18/22 10:44	10/19/22 08:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	101		10 - 150	10/18/22 10:44	10/19/22 08:13	1
2,4-Dichlorophenylacetic acid	109		10 - 150	10/18/22 10:44	10/19/22 08:13	1

Lab Sample ID: LCS 460-872599/2-A
Matrix: Solid
Analysis Batch: 872764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872599

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D			0.00800	0.0137	E *+	mg/L		172	51 - 150		
2,4-D			0.00800	0.0147	E *+	mg/L		184	51 - 150		
Silvex (2,4,5-TP)			0.00200	0.00393	*+	mg/L		197	50 - 150		
Silvex (2,4,5-TP)			0.00200	0.00392	*+	mg/L		196	50 - 150		
2,4,5-T			0.00200	0.00375	*+	mg/L		188	45 - 150		
2,4,5-T			0.00200	0.00374	*+	mg/L		187	45 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	87		10 - 150
2,4-Dichlorophenylacetic acid	93		10 - 150

Lab Sample ID: LCSD 460-872599/3-A
Matrix: Solid
Analysis Batch: 872764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872599

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			0.00800	0.0100	*1	mg/L		125	51 - 150	31	30
2,4-D			0.00800	0.0105	*1	mg/L		131	51 - 150	34	30
Silvex (2,4,5-TP)			0.00200	0.00268	J *1	mg/L		134	50 - 150	38	30
Silvex (2,4,5-TP)			0.00200	0.00260	J *1	mg/L		130	50 - 150	41	30

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

Lab Sample ID: LCSD 460-872599/3-A
Matrix: Solid
Analysis Batch: 872764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872599

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T			0.00200	0.00267	J *1	mg/L		134	45 - 150	34	30
2,4,5-T			0.00200	0.00262	J *1	mg/L		131	45 - 150	35	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*75*		*10 - 150*
2,4-Dichlorophenylacetic acid	*79*		*10 - 150*

Lab Sample ID: MB 460-872835/1-A
Matrix: Solid
Analysis Batch: 873007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.012	U	0.033	0.012	mg/Kg		10/19/22 10:36	10/20/22 07:05	1
2,4-D	0.012	U	0.033	0.012	mg/Kg		10/19/22 10:36	10/20/22 07:05	1
Silvex (2,4,5-TP)	0.0035	U	0.033	0.0035	mg/Kg		10/19/22 10:36	10/20/22 07:05	1
Silvex (2,4,5-TP)	0.0035	U	0.033	0.0035	mg/Kg		10/19/22 10:36	10/20/22 07:05	1
2,4,5-T	0.0071	U	0.033	0.0071	mg/Kg		10/19/22 10:36	10/20/22 07:05	1
2,4,5-T	0.0071	U	0.033	0.0071	mg/Kg		10/19/22 10:36	10/20/22 07:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*110*		*27 - 150*	*10/19/22 10:36*	*10/20/22 07:05*	*1*
2,4-Dichlorophenylacetic acid	*105*		*27 - 150*	*10/19/22 10:36*	*10/20/22 07:05*	*1*

Lab Sample ID: LCS 460-872835/2-A
Matrix: Solid
Analysis Batch: 872903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872835

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D			0.167	0.233		mg/Kg		140	46 - 150
2,4-D			0.167	0.249		mg/Kg		150	46 - 150
Silvex (2,4,5-TP)			0.0417	0.0624		mg/Kg		150	41 - 150
Silvex (2,4,5-TP)			0.0417	0.0599		mg/Kg		144	41 - 150
2,4,5-T			0.0417	0.0610		mg/Kg		146	10 - 150
2,4,5-T			0.0417	0.0601		mg/Kg		144	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*97*		*27 - 150*
2,4-Dichlorophenylacetic acid	*100*		*27 - 150*

Lab Sample ID: LCSD 460-872835/3-A
Matrix: Solid
Analysis Batch: 872903

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872835

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			0.167	0.232		mg/Kg		139	46 - 150	0	30
2,4-D			0.167	0.242		mg/Kg		145	46 - 150	3	30
Silvex (2,4,5-TP)			0.0417	0.0623		mg/Kg		149	41 - 150	0	30
Silvex (2,4,5-TP)			0.0417	0.0588		mg/Kg		141	41 - 150	2	30

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

Lab Sample ID: LCSD 460-872835/3-A
Matrix: Solid
Analysis Batch: 872903

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872835

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T			0.0417	0.0604		mg/Kg		145	10 - 150	1	30
2,4,5-T			0.0417	0.0579		mg/Kg		139	10 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*97*		*27 - 150*
2,4-Dichlorophenylacetic acid	*98*		*27 - 150*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-872822/1-A
Matrix: Solid
Analysis Batch: 872802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872822

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	14	U	14	14	mg/Kg		10/19/22 09:38	10/19/22 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*113*		*40 - 140*	*10/19/22 09:38*	*10/19/22 18:48*	*1*
1-Chlorooctadecane	*123*		*40 - 140*	*10/19/22 09:38*	*10/19/22 18:48*	*1*

Lab Sample ID: LCS 460-872822/2-A
Matrix: Solid
Analysis Batch: 872802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872822

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total EPH (C9-C40)			133	104		mg/Kg		78	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*89*		*40 - 140*
1-Chlorooctadecane	*149*	*S1+*	*40 - 140*

Lab Sample ID: LCSD 460-872822/3-A
Matrix: Solid
Analysis Batch: 872802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 872822

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	130		mg/Kg		97	40 - 140	22	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*110*		*40 - 140*
1-Chlorooctadecane	*181*	*S1+*	*40 - 140*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-872301/1-A
Matrix: Solid
Analysis Batch: 872642

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.089	U	0.40	0.089	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Aluminum	5.5	U	20.0	5.5	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Arsenic	0.10	U	1.0	0.10	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Barium	0.15	U	2.0	0.15	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Beryllium	0.057	U	0.40	0.057	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Calcium	17.7	U	100	17.7	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Cadmium	0.11	U	1.0	0.11	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Cobalt	0.15	U	2.0	0.15	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Chromium	0.91	U	2.0	0.91	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Copper	0.37	U	2.0	0.37	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Iron	20.2	U	60.0	20.2	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Potassium	16.2	U	100	16.2	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Magnesium	10.2	U	100	10.2	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Manganese	0.40	U	4.0	0.40	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Sodium	45.7	U	100	45.7	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Nickel	0.47	U	2.0	0.47	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Lead	0.20	U	0.60	0.20	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Antimony	0.15	U	1.0	0.15	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Selenium	0.13	U	1.3	0.13	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Thallium	0.041	U	0.40	0.041	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Vanadium	0.21	U	2.0	0.21	mg/Kg		10/16/22 23:00	10/18/22 14:53	1
Zinc	3.1	U	8.0	3.1	mg/Kg		10/16/22 23:00	10/18/22 14:53	1

Lab Sample ID: LCSSRM 460-872301/2-A ^20
Matrix: Solid
Analysis Batch: 872642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872301

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	78.5	80.91		mg/Kg		103.1	78.9 - 121.1
Aluminum	7690	8518		mg/Kg		110.8	45.3 - 154.7
Arsenic	112	113.3		mg/Kg		101.1	82.0 - 118.8
Barium	154	158.5		mg/Kg		102.9	81.8 - 118.2
Beryllium	121	121.2		mg/Kg		100.2	82.2 - 118.2
Calcium	4590	4394		mg/Kg		95.7	81.0 - 119.2
Cadmium	196	195.6		mg/Kg		99.8	82.1 - 118.4
Cobalt	46.4	46.93		mg/Kg		101.2	83.2 - 116.6
Chromium	103	109.9		mg/Kg		106.7	80.8 - 118.4
Copper	70.4	72.52		mg/Kg		103.0	83.4 - 116.6
Iron	13400	18520		mg/Kg		138.2	58.2 - 141.8
Potassium	1940	2060		mg/Kg		106.2	68.0 - 131.4

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

Lab Sample ID: LCSSRM 460-872301/2-A ^20
Matrix: Solid
Analysis Batch: 872642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872301

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	2240	2400		mg/Kg		107.1	75.4 - 125.0
Manganese	373	379.1		mg/Kg		101.6	81.5 - 118.5
Sodium	132	914	U	mg/Kg		119.0	71.4 - 129.5
Nickel	249	255.1		mg/Kg		102.5	81.9 - 118.1
Lead	73.2	74.79		mg/Kg		102.2	82.8 - 117.3
Antimony	111	200.4		mg/Kg		180.6	0.7 - 205.4
Selenium	215	220.9		mg/Kg		102.7	78.1 - 121.9
Thallium	67.7	71.10		mg/Kg		105.0	80.1 - 120.1
Vanadium	177	190.6		mg/Kg		107.7	78.0 - 122.0
Zinc	360	360.2		mg/Kg		100.0	79.7 - 120.3

Lab Sample ID: 460-267445-B-16-C MS
Matrix: Solid
Analysis Batch: 872642

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 872301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.077	U	4.58	3.82		mg/Kg	☼	83	75 - 125
Aluminum	10700		458	11660	4	mg/Kg	☼	218	75 - 125
Arsenic	2.1		9.15	9.91		mg/Kg	☼	85	75 - 125
Barium	15.0		9.15	25.12		mg/Kg	☼	111	75 - 125
Beryllium	0.11	J	4.58	4.84		mg/Kg	☼	103	75 - 125
Calcium	146		458	602.8		mg/Kg	☼	100	75 - 125
Cadmium	0.098	U	4.58	4.89		mg/Kg	☼	107	75 - 125
Cobalt	1.1	J	4.58	5.76		mg/Kg	☼	102	75 - 125
Chromium	12.6		9.15	22.28		mg/Kg	☼	105	75 - 125
Copper	3.4		9.15	12.85		mg/Kg	☼	103	75 - 125
Iron	8210		458	8397	4	mg/Kg	☼	41	75 - 125
Potassium	219		458	710.2		mg/Kg	☼	107	75 - 125
Magnesium	429		458	929.1		mg/Kg	☼	109	75 - 125
Manganese	49.9		45.8	95.29		mg/Kg	☼	99	75 - 125
Sodium	39.6	U	458	507.1		mg/Kg	☼	111	75 - 125
Nickel	4.4		9.15	14.07		mg/Kg	☼	106	75 - 125
Lead	12.2		4.58	17.19		mg/Kg	☼	109	75 - 125
Antimony	0.20	J	4.58	4.85		mg/Kg	☼	102	75 - 125
Selenium	0.35	J	9.15	7.88		mg/Kg	☼	82	75 - 125
Thallium	0.075	J	3.66	3.86		mg/Kg	☼	103	75 - 125
Vanadium	18.4		9.15	28.03		mg/Kg	☼	106	75 - 125
Zinc	12.0		45.8	58.09		mg/Kg	☼	101	75 - 125

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

Lab Sample ID: 460-267445-B-16-B DU
Matrix: Solid
Analysis Batch: 872642

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 872301

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	0.077	U	0.080	U	mg/Kg	☼	NC	20
Aluminum	10700		10020		mg/Kg	☼	6	20
Arsenic	2.1		1.98		mg/Kg	☼	7	20
Barium	15.0		13.92		mg/Kg	☼	7	20
Beryllium	0.11	J	0.104	J	mg/Kg	☼	10	20
Calcium	146		134.8		mg/Kg	☼	8	20
Cadmium	0.098	U	0.10	U	mg/Kg	☼	NC	20
Cobalt	1.1	J	1.01	J	mg/Kg	☼	5	20
Chromium	12.6		12.34		mg/Kg	☼	2	20
Copper	3.4		3.19		mg/Kg	☼	6	20
Iron	8210		7680		mg/Kg	☼	7	20
Potassium	219		200.2		mg/Kg	☼	9	20
Magnesium	429		394.8		mg/Kg	☼	8	20
Manganese	49.9		46.48		mg/Kg	☼	7	20
Sodium	39.6	U	40.9	U	mg/Kg	☼	NC	20
Nickel	4.4		4.18		mg/Kg	☼	5	20
Lead	12.2		11.40		mg/Kg	☼	7	20
Antimony	0.20	J	0.184	J	mg/Kg	☼	8	20
Selenium	0.35	J	0.341	J	mg/Kg	☼	4	20
Thallium	0.075	J	0.0706	J	mg/Kg	☼	6	20
Vanadium	18.4		17.28		mg/Kg	☼	6	20
Zinc	12.0		10.97		mg/Kg	☼	9	20

Lab Sample ID: MB 460-872598/1-A
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872598

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00029	U	0.0020	0.00029	mg/L		10/18/22 10:40	10/19/22 15:21	1
Arsenic	0.00089	U	0.0020	0.00089	mg/L		10/18/22 10:40	10/19/22 15:21	1
Barium	0.00091	U	0.0040	0.00091	mg/L		10/18/22 10:40	10/19/22 15:21	1
Cadmium	0.00039	U	0.0020	0.00039	mg/L		10/18/22 10:40	10/19/22 15:21	1
Chromium	0.0025	U	0.0040	0.0025	mg/L		10/18/22 10:40	10/19/22 15:21	1
Lead	0.00084	U	0.0012	0.00084	mg/L		10/18/22 10:40	10/19/22 15:21	1
Selenium	0.00059	U	0.0025	0.00059	mg/L		10/18/22 10:40	10/19/22 15:21	1

Lab Sample ID: LCS 460-872598/2-A ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872598

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.500	0.509		mg/L		102	80 - 120
Arsenic	5.00	5.35		mg/L		107	80 - 120
Barium	10.0	10.79		mg/L		108	80 - 120
Cadmium	1.00	1.04		mg/L		104	80 - 120
Chromium	5.00	5.40		mg/L		108	80 - 120
Lead	5.00	5.19		mg/L		104	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120

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

Lab Sample ID: MB 460-872614/1-A
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00029	U	0.0020	0.00029	mg/L		10/18/22 11:37	10/19/22 16:01	1
Arsenic	0.00089	U	0.0020	0.00089	mg/L		10/18/22 11:37	10/19/22 16:01	1
Barium	0.00091	U	0.0040	0.00091	mg/L		10/18/22 11:37	10/19/22 16:01	1
Cadmium	0.00039	U	0.0020	0.00039	mg/L		10/18/22 11:37	10/19/22 16:01	1
Chromium	0.0025	U	0.0040	0.0025	mg/L		10/18/22 11:37	10/19/22 16:01	1
Lead	0.00084	U	0.0012	0.00084	mg/L		10/18/22 11:37	10/19/22 16:01	1
Selenium	0.00059	U	0.0025	0.00059	mg/L		10/18/22 11:37	10/19/22 16:01	1

Lab Sample ID: LCS 460-872614/2-A ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872614

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.500	0.492		mg/L		98	80 - 120
Arsenic	5.00	5.05		mg/L		101	80 - 120
Barium	10.0	10.37		mg/L		104	80 - 120
Cadmium	1.00	1.02		mg/L		102	80 - 120
Chromium	5.00	5.11		mg/L		102	80 - 120
Lead	5.00	5.10		mg/L		102	80 - 120
Selenium	1.00	0.992		mg/L		99	80 - 120

Lab Sample ID: LB 460-872277/1-F ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 872598

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0029	U	0.020	0.0029	mg/L		10/18/22 10:40	10/19/22 15:56	10
Arsenic	0.0089	U	0.020	0.0089	mg/L		10/18/22 10:40	10/19/22 15:56	10
Barium	0.0091	U	0.040	0.0091	mg/L		10/18/22 10:40	10/19/22 15:56	10
Cadmium	0.0039	U	0.020	0.0039	mg/L		10/18/22 10:40	10/19/22 15:56	10
Chromium	0.025	U	0.040	0.025	mg/L		10/18/22 10:40	10/19/22 15:56	10
Lead	0.0084	U	0.012	0.0084	mg/L		10/18/22 10:40	10/19/22 15:56	10
Selenium	0.0059	U	0.025	0.0059	mg/L		10/18/22 10:40	10/19/22 15:56	10

Lab Sample ID: LB 460-872278/1-E ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 872598

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0029	U	0.020	0.0029	mg/L		10/18/22 10:40	10/19/22 15:58	10
Arsenic	0.0089	U	0.020	0.0089	mg/L		10/18/22 10:40	10/19/22 15:58	10
Barium	0.0091	U	0.040	0.0091	mg/L		10/18/22 10:40	10/19/22 15:58	10
Cadmium	0.0039	U	0.020	0.0039	mg/L		10/18/22 10:40	10/19/22 15:58	10
Chromium	0.025	U	0.040	0.025	mg/L		10/18/22 10:40	10/19/22 15:58	10
Lead	0.0084	U	0.012	0.0084	mg/L		10/18/22 10:40	10/19/22 15:58	10
Selenium	0.0059	U	0.025	0.0059	mg/L		10/18/22 10:40	10/19/22 15:58	10

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

Lab Sample ID: 460-267476-B-1-D MS ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 872598

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.0029	U	0.500	0.509		mg/L		102	75 - 125
Arsenic	0.0089	U	5.00	5.35		mg/L		107	75 - 125
Barium	0.61		10.0	11.31		mg/L		107	75 - 125
Cadmium	0.0039	U	1.00	1.09		mg/L		109	75 - 125
Chromium	0.070		5.00	5.40		mg/L		107	75 - 125
Lead	0.24		5.00	5.59		mg/L		107	75 - 125
Selenium	0.0059	U	1.00	1.07		mg/L		107	75 - 125

Lab Sample ID: 460-267476-B-1-C DU ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 872598

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	0.0029	U	0.0029	U	mg/L		NC	20
Arsenic	0.0089	U	0.0089	U	mg/L		NC	20
Barium	0.61		0.595		mg/L		3	20
Cadmium	0.0039	U	0.0039	U	mg/L		NC	20
Chromium	0.070		0.0691		mg/L		1	20
Lead	0.24		0.244		mg/L		0.2	20
Selenium	0.0059	U	0.0059	U	mg/L		NC	20

Lab Sample ID: 460-267437-C-6-I MS ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 872614

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.0029	U	0.500	0.498		mg/L		100	75 - 125
Arsenic	0.0089	U	5.00	5.29		mg/L		106	75 - 125
Barium	0.53		10.0	11.05		mg/L		105	75 - 125
Cadmium	0.0039	U	1.00	1.04		mg/L		104	75 - 125
Chromium	0.025	U	5.00	5.21		mg/L		104	75 - 125
Lead	0.082		5.00	5.34		mg/L		105	75 - 125
Selenium	0.0059	U	1.00	1.00		mg/L		100	75 - 125

Lab Sample ID: 460-267437-C-6-H DU ^10
Matrix: Solid
Analysis Batch: 872840

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 872614

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	0.0029	U	0.0029	U	mg/L		NC	20
Arsenic	0.0089	U	0.0089	U	mg/L		NC	20
Barium	0.53		0.528		mg/L		0.6	20
Cadmium	0.0039	U	0.0039	U	mg/L		NC	20
Chromium	0.025	U	0.025	U	mg/L		NC	20
Lead	0.082		0.0838		mg/L		2	20
Selenium	0.0059	U	0.0059	U	mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-872641/1-A
Matrix: Solid
Analysis Batch: 872691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/18/22 13:56	10/18/22 15:18	1

Lab Sample ID: LCS 460-872641/2-A
Matrix: Solid
Analysis Batch: 872691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872641

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00490		mg/L		98	80 - 120		

Lab Sample ID: LB 460-872277/1-H
Matrix: Solid
Analysis Batch: 872691

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 872641

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		10/18/22 13:56	10/18/22 15:54	1

Lab Sample ID: 460-267459-E-4-K MS
Matrix: Solid
Analysis Batch: 872691

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 872641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.000091	U	0.00500	0.00486		mg/L		97	75 - 125		

Lab Sample ID: 460-267459-E-4-J DU
Matrix: Solid
Analysis Batch: 872691

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 872641

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.000091	U		0.000091	U	mg/L				NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-872727/10-A
Matrix: Solid
Analysis Batch: 872742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.017	0.0080	mg/Kg		10/19/22 00:18	10/19/22 03:28	1

Lab Sample ID: LCSSRM 460-872727/11-A ^40
Matrix: Solid
Analysis Batch: 872742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872727

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			13.2	14.79		mg/Kg		112.0	58.0 - 142.4		

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-267687-2 MS
Matrix: Solid
Analysis Batch: 872742

Client Sample ID: C-01-C
Prep Type: Total/NA
Prep Batch: 872727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.084	F1	0.0899	0.139	F1	mg/Kg	☼	62	80 - 120

Lab Sample ID: 460-267687-2 DU
Matrix: Solid
Analysis Batch: 872742

Client Sample ID: C-01-C
Prep Type: Total/NA
Prep Batch: 872727

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.084	F1	0.0883		mg/Kg	☼	5	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 200-65234-A-1 DU
Matrix: Solid
Analysis Batch: 872863

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-872921/2-A
Matrix: Solid
Analysis Batch: 872972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.13	U	0.24	0.13	mg/Kg		10/19/22 20:19	10/19/22 23:08	1

Lab Sample ID: MRL 460-872921/1-A
Matrix: Solid
Analysis Batch: 872972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872921

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: MB 460-872922/1-A
Matrix: Solid
Analysis Batch: 872972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 872922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.13	U	0.24	0.13	mg/Kg		10/19/22 20:22	10/19/22 23:38	1

Lab Sample ID: LCSSRM 460-872922/2-A ^20
Matrix: Solid
Analysis Batch: 872972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 872922

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	115	67.20		mg/Kg		58.4	25.6 - 125.2

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-267488-E-7-H MS
Matrix: Solid
Analysis Batch: 872972

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 872922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.13	U	4.69	5.07		mg/Kg	☼	108	26 - 120

Lab Sample ID: 460-267488-E-7-I MSD
Matrix: Solid
Analysis Batch: 872972

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 872922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.13	U	4.87	5.35		mg/Kg	☼	110	26 - 120	5	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-873109/1-A
Matrix: Solid
Analysis Batch: 873111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 873109

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		10/20/22 10:00	10/20/22 12:00	1

Lab Sample ID: LCS 460-873109/2-A
Matrix: Solid
Analysis Batch: 873111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-267687-2 DU
Matrix: Solid
Analysis Batch: 873111

Client Sample ID: C-01-C
Prep Type: Total/NA
Prep Batch: 873109

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-873106/1-A
Matrix: Solid
Analysis Batch: 873110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 873106

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		10/20/22 10:00	10/20/22 12:00	1

Lab Sample ID: LCSSRM 460-873106/3-A
Matrix: Solid
Analysis Batch: 873110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873106

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	70.9	72.14		mg/Kg		101.7	46.7 - 142.5

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 460-267687-2 MS
Matrix: Solid
Analysis Batch: 873110

Client Sample ID: C-01-C
Prep Type: Total/NA
Prep Batch: 873106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	20.0	U	457	312.6		mg/Kg		68	64 - 136

Lab Sample ID: 460-267687-2 MSD
Matrix: Solid
Analysis Batch: 873110

Client Sample ID: C-01-C
Prep Type: Total/NA
Prep Batch: 873106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	457	296.6		mg/Kg		65	64 - 136	5	10

Method: 9045D - pH

Lab Sample ID: MB 460-872890/2
Matrix: Solid
Analysis Batch: 872890

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.9				SU			10/19/22 13:31	1
Temperature	22.0				Degrees C			10/19/22 13:31	1
Corrosivity	5.9				SU			10/19/22 13:31	1

Lab Sample ID: LCSSRM 460-872890/3
Matrix: Solid
Analysis Batch: 872890

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
pH	6.27	6.3		SU		100.3	96.8 - 103.2
Corrosivity	6.27	6.3		SU		100.3	96.8 - 103.2

Lab Sample ID: 200-65234-A-1 DU
Matrix: Solid
Analysis Batch: 872890

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	5.4		5.3		SU		0.6	10
Temperature	21.6		21.5		Degrees C		0.5	10
Corrosivity	5.4		5.3		SU		0.6	10

Method: 9095B - Paint Filter

Lab Sample ID: 200-65234-A-1 DU
Matrix: Solid
Analysis Batch: 872864

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: 460-267096-A-5 DU
Matrix: Solid
Analysis Batch: 872473

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16.0			20.9	F3	%				26	20
Percent Solids	84.0			79.1		%				6	20

Lab Sample ID: 460-267687-3 DU
Matrix: Solid
Analysis Batch: 872665

Client Sample ID: C-02-G
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.8			10.4		%				4	20
Percent Solids	89.2			89.6		%				0.5	20

Lab Sample ID: 460-267687-4 DU
Matrix: Solid
Analysis Batch: 872666

Client Sample ID: C-02-C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.4			13.2		%				2	20
Percent Solids	86.6			86.8		%				0.3	20

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: 460-267687-2 DU
Matrix: Solid
Analysis Batch: 872771

Client Sample ID: C-01-C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Volatile Solids	3.4			3.33		%				1	5

GC/MS VOA

Prep Batch: 872224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-1	C-01-G	Total/NA	Solid	5035	
460-267687-3	C-02-G	Total/NA	Solid	5035	

Leach Batch: 872298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-1	C-01-G	TCLP	Solid	1311	
460-267687-3	C-02-G	TCLP	Solid	1311	
LB 460-872298/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 872321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-5	Trip blank	Total/NA	Water	8260D	
MB 460-872321/8	Method Blank	Total/NA	Water	8260D	
LCS 460-872321/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-872321/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 872525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-872298/1-A	Method Blank	TCLP	Solid	8260D	872298
MB 460-872525/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-872525/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-872525/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 872746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-1	C-01-G	TCLP	Solid	8260D	872298
460-267687-3	C-02-G	TCLP	Solid	8260D	872298
MB 460-872746/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-872746/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-872746/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 872776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-1	C-01-G	Total/NA	Solid	8260D	872224
460-267687-3	C-02-G	Total/NA	Solid	8260D	872224
MB 460-872776/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-872776/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-872776/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 872277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	1311	
460-267687-4	C-02-C	TCLP	Solid	1311	
LB 460-872277/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 872487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	3510C	872277
460-267687-4	C-02-C	TCLP	Solid	3510C	872277

GC/MS Semi VOA (Continued)

Prep Batch: 872487 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-872277/1-C	Method Blank	TCLP	Solid	3510C	872277
MB 460-872487/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-872487/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-872487/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 872561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	8270E	872487
460-267687-4	C-02-C	TCLP	Solid	8270E	872487
LB 460-872277/1-C	Method Blank	TCLP	Solid	8270E	872487
MB 460-872487/1-A	Method Blank	Total/NA	Solid	8270E	872487
LCS 460-872487/2-A	Lab Control Sample	Total/NA	Solid	8270E	872487
LCSD 460-872487/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	872487

Prep Batch: 872712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	3546	
460-267687-4	C-02-C	Total/NA	Solid	3546	
MB 460-872712/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-872712/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-872712/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-267205-E-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-267205-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 872763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	8270E	872712
460-267687-4	C-02-C	Total/NA	Solid	8270E	872712
MB 460-872712/1-A	Method Blank	Total/NA	Solid	8270E	872712
LCS 460-872712/2-A	Lab Control Sample	Total/NA	Solid	8270E	872712
LCSD 460-872712/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	872712
460-267205-E-1-B MS	Matrix Spike	Total/NA	Solid	8270E	872712
460-267205-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	872712

GC Semi VOA

Prep Batch: 872029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	3546	
460-267687-4	C-02-C	Total/NA	Solid	3546	
MB 460-872029/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-872029/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-872029/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-267384-A-1-G MS	Matrix Spike	Total/NA	Solid	3546	
460-267384-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 872277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	1311	
460-267687-4	C-02-C	TCLP	Solid	1311	
LB 460-872277/1-D	Method Blank	TCLP	Solid	1311	

GC Semi VOA

Analysis Batch: 872363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	8082A	872029
460-267687-4	C-02-C	Total/NA	Solid	8082A	872029
MB 460-872029/1-A	Method Blank	Total/NA	Solid	8082A	872029
LCS 460-872029/2-A	Lab Control Sample	Total/NA	Solid	8082A	872029
LCSD 460-872029/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	872029
460-267384-A-1-G MS	Matrix Spike	Total/NA	Solid	8082A	872029
460-267384-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	872029

Prep Batch: 872489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	3510C	872277
460-267687-4	C-02-C	TCLP	Solid	3510C	872277
LB 460-872277/1-D	Method Blank	TCLP	Solid	3510C	872277
MB 460-872489/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-872489/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-872489/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 872508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	8081B	872489
460-267687-4	C-02-C	TCLP	Solid	8081B	872489

Analysis Batch: 872514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-872277/1-D	Method Blank	TCLP	Solid	8081B	872489
MB 460-872489/1-A	Method Blank	Total/NA	Solid	8081B	872489
LCS 460-872489/2-A	Lab Control Sample	Total/NA	Solid	8081B	872489
LCSD 460-872489/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	872489

Prep Batch: 872599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	8151A	872277
460-267687-4	C-02-C	TCLP	Solid	8151A	872277
MB 460-872599/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-872599/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-872599/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 872764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	8151A	872599
460-267687-4	C-02-C	TCLP	Solid	8151A	872599
MB 460-872599/1-A	Method Blank	Total/NA	Solid	8151A	872599
LCS 460-872599/2-A	Lab Control Sample	Total/NA	Solid	8151A	872599
LCSD 460-872599/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	872599

Analysis Batch: 872802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	NJDEP EPH	872822
460-267687-4	C-02-C	Total/NA	Solid	NJDEP EPH	872822
MB 460-872822/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	872822
LCS 460-872822/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	872822

GC Semi VOA (Continued)

Analysis Batch: 872802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-872822/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	872822

Prep Batch: 872822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	3546	
460-267687-4	C-02-C	Total/NA	Solid	3546	
MB 460-872822/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-872822/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-872822/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 872835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	8151A	
460-267687-4	C-02-C	Total/NA	Solid	8151A	
MB 460-872835/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-872835/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-872835/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 872903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	8151A	872835
460-267687-4	C-02-C	Total/NA	Solid	8151A	872835
LCS 460-872835/2-A	Lab Control Sample	Total/NA	Solid	8151A	872835
LCSD 460-872835/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	872835

Prep Batch: 872907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	3546	
460-267687-4	C-02-C	Total/NA	Solid	3546	
MB 460-872907/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-872907/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-872907/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 872975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	8081B	872907
460-267687-4	C-02-C	Total/NA	Solid	8081B	872907
MB 460-872907/1-A	Method Blank	Total/NA	Solid	8081B	872907
LCS 460-872907/2-A	Lab Control Sample	Total/NA	Solid	8081B	872907
LCSD 460-872907/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	872907

Analysis Batch: 873007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-872835/1-A	Method Blank	Total/NA	Solid	8151A	872835

Metals

Leach Batch: 872276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267437-C-6-I MS ^10	Matrix Spike	TCLP	Solid	1311	
460-267437-C-6-H DU ^10	Duplicate	TCLP	Solid	1311	

Metals

Leach Batch: 872277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	1311	
460-267687-4	C-02-C	TCLP	Solid	1311	
LB 460-872277/1-F ^10	Method Blank	TCLP	Solid	1311	
LB 460-872277/1-H	Method Blank	TCLP	Solid	1311	
460-267459-E-4-K MS	Matrix Spike	TCLP	Solid	1311	
460-267459-E-4-J DU	Duplicate	TCLP	Solid	1311	

Leach Batch: 872278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-872278/1-E ^10	Method Blank	TCLP	Solid	1311	
460-267476-B-1-D MS ^10	Matrix Spike	TCLP	Solid	1311	
460-267476-B-1-C DU ^10	Duplicate	TCLP	Solid	1311	

Prep Batch: 872301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	3050B	
460-267687-4	C-02-C	Total/NA	Solid	3050B	
MB 460-872301/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-872301/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
460-267445-B-16-C MS	Matrix Spike	Total/NA	Solid	3050B	
460-267445-B-16-B DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 872598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-4	C-02-C	TCLP	Solid	3010A	872277
LB 460-872277/1-F ^10	Method Blank	TCLP	Solid	3010A	872277
LB 460-872278/1-E ^10	Method Blank	TCLP	Solid	3010A	872278
MB 460-872598/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-872598/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-267476-B-1-D MS ^10	Matrix Spike	TCLP	Solid	3010A	872278
460-267476-B-1-C DU ^10	Duplicate	TCLP	Solid	3010A	872278

Prep Batch: 872614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	3010A	872277
MB 460-872614/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-872614/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-267437-C-6-I MS ^10	Matrix Spike	TCLP	Solid	3010A	872276
460-267437-C-6-H DU ^10	Duplicate	TCLP	Solid	3010A	872276

Prep Batch: 872641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	7470A	872277
460-267687-4	C-02-C	TCLP	Solid	7470A	872277
LB 460-872277/1-H	Method Blank	TCLP	Solid	7470A	872277
MB 460-872641/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-872641/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-267459-E-4-K MS	Matrix Spike	TCLP	Solid	7470A	872277
460-267459-E-4-J DU	Duplicate	TCLP	Solid	7470A	872277

Metals

Analysis Batch: 872642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	6020B	872301
460-267687-2	C-01-C	Total/NA	Solid	6020B	872301
460-267687-4	C-02-C	Total/NA	Solid	6020B	872301
MB 460-872301/1-A	Method Blank	Total/NA	Solid	6020B	872301
LCSSRM 460-872301/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	872301
460-267445-B-16-C MS	Matrix Spike	Total/NA	Solid	6020B	872301
460-267445-B-16-B DU	Duplicate	Total/NA	Solid	6020B	872301

Analysis Batch: 872691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	7470A	872641
460-267687-4	C-02-C	TCLP	Solid	7470A	872641
LB 460-872277/1-H	Method Blank	TCLP	Solid	7470A	872641
MB 460-872641/1-A	Method Blank	Total/NA	Solid	7470A	872641
LCS 460-872641/2-A	Lab Control Sample	Total/NA	Solid	7470A	872641
460-267459-E-4-K MS	Matrix Spike	TCLP	Solid	7470A	872641
460-267459-E-4-J DU	Duplicate	TCLP	Solid	7470A	872641

Prep Batch: 872727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	7471B	
460-267687-4	C-02-C	Total/NA	Solid	7471B	
MB 460-872727/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-872727/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-267687-2 MS	C-01-C	Total/NA	Solid	7471B	
460-267687-2 DU	C-01-C	Total/NA	Solid	7471B	

Analysis Batch: 872742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	7471B	872727
460-267687-4	C-02-C	Total/NA	Solid	7471B	872727
MB 460-872727/10-A	Method Blank	Total/NA	Solid	7471B	872727
LCSSRM 460-872727/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	872727
460-267687-2 MS	C-01-C	Total/NA	Solid	7471B	872727
460-267687-2 DU	C-01-C	Total/NA	Solid	7471B	872727

Analysis Batch: 872840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-872277/1-F ^10	Method Blank	TCLP	Solid	6020B	872598
LB 460-872278/1-E ^10	Method Blank	TCLP	Solid	6020B	872598
MB 460-872598/1-A	Method Blank	Total/NA	Solid	6020B	872598
MB 460-872614/1-A	Method Blank	Total/NA	Solid	6020B	872614
LCS 460-872598/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	872598
LCS 460-872614/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	872614
460-267437-C-6-I MS ^10	Matrix Spike	TCLP	Solid	6020B	872614
460-267476-B-1-D MS ^10	Matrix Spike	TCLP	Solid	6020B	872598
460-267437-C-6-H DU ^10	Duplicate	TCLP	Solid	6020B	872614
460-267476-B-1-C DU ^10	Duplicate	TCLP	Solid	6020B	872598

Metals

Analysis Batch: 872857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	TCLP	Solid	6020B	872614
460-267687-4	C-02-C	TCLP	Solid	6020B	872598

General Chemistry

Analysis Batch: 872473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267096-A-5 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 872477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	Moisture	
460-267687-4	C-02-C	Total/NA	Solid	Moisture	
460-267458-A-13 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-267458-A-13 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 872665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-1	C-01-G	Total/NA	Solid	Moisture	
460-267687-3	C-02-G	Total/NA	Solid	Moisture	
460-267687-3 DU	C-02-G	Total/NA	Solid	Moisture	

Analysis Batch: 872666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267234-B-18 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-267234-B-18 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-267687-4 DU	C-02-C	Total/NA	Solid	Moisture	

Analysis Batch: 872771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	SM 2540G	
460-267687-4	C-02-C	Total/NA	Solid	SM 2540G	
460-267687-2 DU	C-01-C	Total/NA	Solid	SM 2540G	

Analysis Batch: 872863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	1030	
460-267687-4	C-02-C	Total/NA	Solid	1030	
200-65234-A-1 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 872864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	9095B	
460-267687-4	C-02-C	Total/NA	Solid	9095B	
200-65234-A-1 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 872890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	9045D	
460-267687-4	C-02-C	Total/NA	Solid	9045D	
MB 460-872890/2	Method Blank	Total/NA	Solid	9045D	

General Chemistry (Continued)

Analysis Batch: 872890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-872890/3	Lab Control Sample	Total/NA	Solid	9045D	
200-65234-A-1 DU	Duplicate	Total/NA	Solid	9045D	

Prep Batch: 872921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-872921/2-A	Method Blank	Total/NA	Solid	9012B	
MRL 460-872921/1-A	Lab Control Sample	Total/NA	Solid	9012B	

Prep Batch: 872922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	9012B	
460-267687-4	C-02-C	Total/NA	Solid	9012B	
MB 460-872922/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-872922/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-267488-E-7-H MS	Matrix Spike	Total/NA	Solid	9012B	
460-267488-E-7-I MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 872972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	9012B	872922
460-267687-4	C-02-C	Total/NA	Solid	9012B	872922
MB 460-872921/2-A	Method Blank	Total/NA	Solid	9012B	872921
MB 460-872922/1-A	Method Blank	Total/NA	Solid	9012B	872922
LCSSRM 460-872922/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	872922
MRL 460-872921/1-A	Lab Control Sample	Total/NA	Solid	9012B	872921
460-267488-E-7-H MS	Matrix Spike	Total/NA	Solid	9012B	872922
460-267488-E-7-I MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	872922

Prep Batch: 873106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	7.3.4	
460-267687-4	C-02-C	Total/NA	Solid	7.3.4	
MB 460-873106/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-873106/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-267687-2 MS	C-01-C	Total/NA	Solid	7.3.4	
460-267687-2 MSD	C-01-C	Total/NA	Solid	7.3.4	

Prep Batch: 873109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	7.3.3	
460-267687-4	C-02-C	Total/NA	Solid	7.3.3	
MB 460-873109/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-873109/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-267687-2 DU	C-01-C	Total/NA	Solid	7.3.3	

Analysis Batch: 873110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	9034	873106
460-267687-4	C-02-C	Total/NA	Solid	9034	873106
MB 460-873106/1-A	Method Blank	Total/NA	Solid	9034	873106
LCSSRM 460-873106/3-A	Lab Control Sample	Total/NA	Solid	9034	873106

General Chemistry (Continued)

Analysis Batch: 873110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2 MS	C-01-C	Total/NA	Solid	9034	873106
460-267687-2 MSD	C-01-C	Total/NA	Solid	9034	873106

Analysis Batch: 873111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-267687-2	C-01-C	Total/NA	Solid	9014	873109
460-267687-4	C-02-C	Total/NA	Solid	9014	873109
MB 460-873109/1-A	Method Blank	Total/NA	Solid	9014	873109
LCS 460-873109/2-A	Lab Control Sample	Total/NA	Solid	9014	873109
460-267687-2 DU	C-01-C	Total/NA	Solid	9014	873109

Lab Chronicle

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: C-01-G
Date Collected: 10/13/22 13:15
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			872298	BJB	EET EDI	10/16/22 21:10 - 10/17/22 16:30 [1]
TCLP	Analysis	8260D		10	872746	CJM	EET EDI	10/19/22 16:05
Total/NA	Analysis	Moisture		1	872665	CJC	EET EDI	10/18/22 16:25

Client Sample ID: C-01-G
Date Collected: 10/13/22 13:15
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-1
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			872224	YXG	EET EDI	10/16/22 10:49
Total/NA	Analysis	8260D		1	872776	MZS	EET EDI	10/19/22 13:05

Client Sample ID: C-01-C
Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	3510C			872487	GXY	EET EDI	10/17/22 21:26
TCLP	Analysis	8270E		1	872561	DXD	EET EDI	10/18/22 15:36
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	3510C			872489	GXY	EET EDI	10/17/22 21:29
TCLP	Analysis	8081B		1	872508	FAM	EET EDI	10/18/22 11:38
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	8151A			872599	OTS	EET EDI	10/18/22 10:44
TCLP	Analysis	8151A		1	872764	SAK	EET EDI	10/19/22 11:49
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	3010A			872614	VAP	EET EDI	10/18/22 11:37
TCLP	Analysis	6020B		1	872857	VAD	EET EDI	10/19/22 22:07
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	7470A			872641	RBS	EET EDI	10/18/22 13:56
TCLP	Analysis	7470A		1	872691	RBS	EET EDI	10/18/22 15:38
Total/NA	Analysis	1030		1	872863	AAP	EET EDI	10/19/22 13:12
Total/NA	Prep	7.3.3			873109	HTV	EET EDI	10/20/22 10:00
Total/NA	Analysis	9014		1	873111	HTV	EET EDI	10/20/22 12:00
Total/NA	Prep	7.3.4			873106	HTV	EET EDI	10/20/22 10:00
Total/NA	Analysis	9034		1	873110	HTV	EET EDI	10/20/22 12:00
Total/NA	Analysis	9045D		1	872890	YAH	EET EDI	10/19/22 14:16
Total/NA	Analysis	9095B		1	872864	AAP	EET EDI	10/19/22 11:37
Total/NA	Analysis	Moisture		1	872477	CJC	EET EDI	10/17/22 20:25
Total/NA	Analysis	SM 2540G		1	872771	PLS	EET EDI	10/19/22 07:01

Lab Chronicle

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: C-01-C
Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-2
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			872712	GXY	EET EDI	10/18/22 21:12
Total/NA	Analysis	8270E		1	872763	DXD	EET EDI	10/19/22 08:44
Total/NA	Prep	3546			872907	ARA	EET EDI	10/19/22 18:36
Total/NA	Analysis	8081B		1	872975	FAM	EET EDI	10/20/22 04:44
Total/NA	Prep	3546			872029	ARA	EET EDI	10/14/22 17:04
Total/NA	Analysis	8082A		1	872363	JHP	EET EDI	10/17/22 13:24
Total/NA	Prep	8151A			872835	ZEH	EET EDI	10/19/22 10:36
Total/NA	Analysis	8151A		1	872903	SAK	EET EDI	10/19/22 23:21
Total/NA	Prep	3546			872822	NAR	EET EDI	10/19/22 09:38
Total/NA	Analysis	NJDEP EPH		1	872802	CDC	EET EDI	10/19/22 20:03
Total/NA	Prep	3050B			872301	GAE	EET EDI	10/16/22 23:00
Total/NA	Analysis	6020B		1	872642	VAD	EET EDI	10/18/22 15:35
Total/NA	Prep	3050B			872301	GAE	EET EDI	10/16/22 23:00
Total/NA	Analysis	6020B		3	872642	VAD	EET EDI	10/18/22 17:01
Total/NA	Prep	7471B			872727	TJS	EET EDI	10/19/22 00:18
Total/NA	Analysis	7471B		1	872742	TJS	EET EDI	10/19/22 03:32
Total/NA	Prep	9012B			872922	VBG	EET EDI	10/19/22 20:22
Total/NA	Analysis	9012B		1	872972	VBG	EET EDI	10/20/22 00:00

Client Sample ID: C-02-G
Date Collected: 10/13/22 15:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			872298	BJB	EET EDI	10/16/22 21:10 - 10/17/22 16:30 [1]
TCLP	Analysis	8260D		10	872746	CJM	EET EDI	10/19/22 16:30
Total/NA	Analysis	Moisture		1	872665	CJC	EET EDI	10/18/22 16:25

Client Sample ID: C-02-G
Date Collected: 10/13/22 15:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-3
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			872224	YXG	EET EDI	10/16/22 10:50
Total/NA	Analysis	8260D		1	872776	MZS	EET EDI	10/19/22 13:28

Client Sample ID: C-02-C
Date Collected: 10/13/22 15:20
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	3510C			872487	GXY	EET EDI	10/17/22 21:26
TCLP	Analysis	8270E		1	872561	DXD	EET EDI	10/18/22 15:57

Client Sample ID: C-02-C

Lab Sample ID: 460-267687-4

Date Collected: 10/13/22 15:20

Matrix: Solid

Date Received: 10/13/22 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	3510C			872489	GXY	EET EDI	10/17/22 21:29
TCLP	Analysis	8081B		1	872508	FAM	EET EDI	10/18/22 11:50
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	8151A			872599	OTS	EET EDI	10/18/22 10:44
TCLP	Analysis	8151A		1	872764	SAK	EET EDI	10/19/22 12:03
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	3010A			872598	VAP	EET EDI	10/18/22 10:40
TCLP	Analysis	6020B		1	872857	VAD	EET EDI	10/19/22 22:14
TCLP	Leach	1311			872277	STD	EET EDI	10/16/22 15:00 - 10/17/22 07:00 [1]
TCLP	Prep	7470A			872641	RBS	EET EDI	10/18/22 13:56
TCLP	Analysis	7470A		1	872691	RBS	EET EDI	10/18/22 15:40
Total/NA	Analysis	1030		1	872863	AAP	EET EDI	10/19/22 13:12
Total/NA	Prep	7.3.3			873109	HTV	EET EDI	10/20/22 10:00
Total/NA	Analysis	9014		1	873111	HTV	EET EDI	10/20/22 12:00
Total/NA	Prep	7.3.4			873106	HTV	EET EDI	10/20/22 10:00
Total/NA	Analysis	9034		1	873110	HTV	EET EDI	10/20/22 12:00
Total/NA	Analysis	9045D		1	872890	YAH	EET EDI	10/19/22 14:18
Total/NA	Analysis	9095B		1	872864	AAP	EET EDI	10/19/22 11:45
Total/NA	Analysis	Moisture		1	872477	CJC	EET EDI	10/17/22 20:25
Total/NA	Analysis	SM 2540G		1	872771	PLS	EET EDI	10/19/22 07:01

Client Sample ID: C-02-C

Lab Sample ID: 460-267687-4

Date Collected: 10/13/22 15:20

Matrix: Solid

Date Received: 10/13/22 20:00

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			872712	GXY	EET EDI	10/18/22 21:12
Total/NA	Analysis	8270E		1	872763	DXD	EET EDI	10/19/22 09:01
Total/NA	Prep	3546			872907	ARA	EET EDI	10/19/22 18:36
Total/NA	Analysis	8081B		1	872975	FAM	EET EDI	10/20/22 04:56
Total/NA	Prep	3546			872029	ARA	EET EDI	10/14/22 17:04
Total/NA	Analysis	8082A		1	872363	JHP	EET EDI	10/17/22 13:46
Total/NA	Prep	8151A			872835	ZEH	EET EDI	10/19/22 10:36
Total/NA	Analysis	8151A		1	872903	SAK	EET EDI	10/19/22 23:35
Total/NA	Prep	3546			872822	NAR	EET EDI	10/19/22 09:38
Total/NA	Analysis	NJDEP EPH		1	872802	CDC	EET EDI	10/19/22 20:18
Total/NA	Prep	3050B			872301	GAE	EET EDI	10/16/22 23:00
Total/NA	Analysis	6020B		1	872642	VAD	EET EDI	10/18/22 15:42
Total/NA	Prep	7471B			872727	TJS	EET EDI	10/19/22 00:18
Total/NA	Analysis	7471B		1	872742	TJS	EET EDI	10/19/22 03:39
Total/NA	Prep	9012B			872922	VBG	EET EDI	10/19/22 20:22
Total/NA	Analysis	9012B		1	872972	VBG	EET EDI	10/20/22 00:01

Lab Chronicle

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Client Sample ID: Trip blank

Date Collected: 10/13/22 00:00
Date Received: 10/13/22 20:00

Lab Sample ID: 460-267687-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	872321	CJM	EET EDI	10/17/22 10:38

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Montrose Environmental Solutions Inc
Job ID: 460-267687-1
Project/Site: Yaffa Project

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

Method Summary

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

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 andor 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
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:

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 EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Montrose Environmental Solutions Inc
Project/Site: Yaffa Project

Job ID: 460-267687-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-267687-1	C-01-G	Solid	10/13/22 13:15	10/13/22 20:00
460-267687-2	C-01-C	Solid	10/13/22 00:00	10/13/22 20:00
460-267687-3	C-02-G	Solid	10/13/22 15:00	10/13/22 20:00
460-267687-4	C-02-C	Solid	10/13/22 15:20	10/13/22 20:00
460-267687-5	Trip blank	Water	10/13/22 00:00	10/13/22 20:00

Eurofins Edison
777 New Durham Road

Edison, NJ 08817-2859
phone 732.549.3900 fax 732.549.3679

Chain of Custody Record

South Jersey Service Center
372

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Chris Valligny	Site Contact: Matt Piarulli	Date: 10/13/22	COC No: 2 of 2 COCs
Montrose Environmental Solutions	Email: C. Valligny/A. Graham			
1055 Andrew Drive, Suite A	Tel/Fax:	Lab Contact: Kristyn Temp	Carrier: Courier	TALS Project #:
West Chester, Pa	Analysis Turnaround Time			Sampler: MPP
(610) 840-9100 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Yaffa	☐ 2 weeks			Lab Sampling:
Site:	☑ 1 week			Job / SDG No.: 267687
P O # 11595-01	☐ 2 days			
	☐ 1 day			

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/Pest/Herb + PCB	TAL Metals	NJDEP EPH - No Fractionation	Total Cyanide	Toal Volatiles Solids/Total Solids	Grain Size/Sieve Analysis D422	TCLP SVOA/Herb/Pest/RCRA8	pH/Ignitability/Reactivity	Paint Filter	Sample Specific Notes:
C-01-G	10/13/22	1315	G	S	5	N	N	X										3 1
C-01-C	10/13/22		C	S	5	N	N		X	X	X	X	X	X	X	X	X	4 2
C-02-G	10/13/22	1500	G	S	5	N	N	X										3 3
C-02-C	10/13/22	1520	C	S	5	N	N		X	X	X	X	X	X	X	X	X	2 4
Trip blank																		7 5
																		10/18/22

460-267687 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _MeOH____			1,6	1	1	1	1	1	1	1	1	1

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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:____ Corr'd:____		Therm ID No.:____
Relinquished by: Matt [signature]	Company: Montrose	Date/Time: 10/13/22	Received by: [signature]	Company: EPA	Date/Time: 10/13/22 1530
Relinquished by: [signature]	Company: EPA	Date/Time: 10/13/22 1630	Received by: [signature]	Company: [signature]	Date/Time: 10/13/22 1820
Relinquished by: [signature]	Company: [signature]	Date/Time: 10/13/22 2000	Received in Laboratory by: [signature]	Company: [signature]	Date/Time: 10/13/22 2100

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 261687

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.6 °C	4.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	4.1 °C	4.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.9 °C	3.9 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (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.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ 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.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: KL Date: 10/13/22

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-267687 Chain of Custody

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Tempe, Kristyn L		COC No: 460-66614.1
Client Contact: Shipping/Receiving	Phone	E-Mail: Kristyn.Tempe@et.eurofinsus.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 460-267687-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 10/25/2022			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: Yaffa Project	Project #: 46039019			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

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)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
C-01-C (460-267687-2)	10/13/22	Eastern		Solid			X	1	
C-02-C (460-267687-4)	10/13/22	15:20 Eastern		Solid			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/tests/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 complicance to Eurofins Environment Testing Northeast, LLC

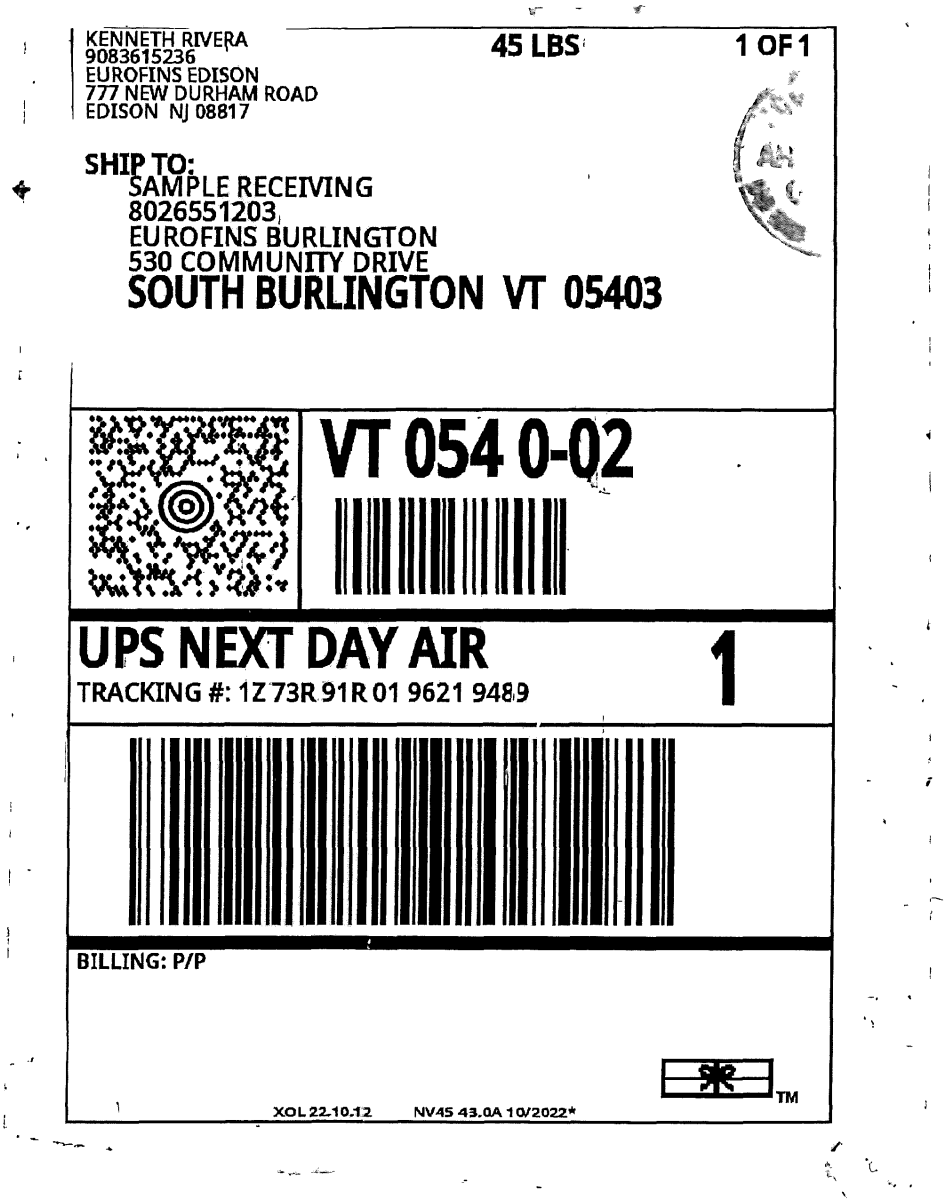
Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
	10/20/22 1600	ECNE		10/21/22 1035	ETA Burl
Relinquished by	Date/Time.	Company	Received by	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

11/10/2022


KENNETH RIVERA
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817
45 LBS
1 OF 1
SHIP TO:
SAMPLE RECEIVING
8026551203
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403
VT 054 0-02
UPS NEXT DAY AIR
TRACKING #: 1Z 73R 91R 01 9621 9489
1
BILLING: P/P
XOL 22.10.12 NV45 43.0A 10/2022*
TM

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Smetanka, Karen L	Carrier Tracking No(s):	COC No: 460-66775.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: karen.Smetanka@et.eurofinsus.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 460-267687-1
Address: 2425 New Holland Pike,	Due Date Requested: 11/3/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Yaffa Project	Project #: 46039019			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

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) ELLE	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
C-01-C (460-267687-2)	10/13/22	Eastern		Solid			X	2	
C-02-C (460-267687-4)	10/13/22	15:20 Eastern		Solid			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/tests/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 complicance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		11/7/22 1655	EETNEL		11/7/22 1655	
2		11/7/22 1950				
3					11/7/22 1950	ELNET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7

Login Sample Receipt Checklist

Client: Montrose Environmental Solutions Inc

Job Number: 460-267687-1

Login Number: 267687
List Number: 1
Creator: Rivera, Kenneth

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.	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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Montrose Environmental Solutions Inc

Job Number: 460-267687-1

Login Number: 267687
List Number: 2
Creator: Reynolds, Jamie K

List Source: Eurofins Burlington
List Creation: 10/21/22 12:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	1861203
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	0.2ºC
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 <6mm (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.