

ANALYTICAL REPORT

PREPARED FOR

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Generated 6/24/2025 8:13:12 PM

JOB DESCRIPTION

Ramsey High

JOB NUMBER

460-328560-1

Eurofins Edison

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Qualifiers

GC/MS VOA

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

GC/MS VOA TICs

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

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Metals

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

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)
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

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Definitions/Glossary

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Design Inc
Project: Ramsey High

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Job Narrative 460-328560-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/16/2025 5:15 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6°C and 1.8°C.

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

Sample Hot-1 (460-328560-1) was analyzed for Volatile Organic Compounds by GC/MS - SPLP. The sample was leached on 6/17/2025 and 6/18/2025, prepared on 6/19/2025 and analyzed on 6/19/2025 and 6/20/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1044700 was outside the method criteria for the following analytes: 1,2,3-Trichlorobenzene, Dichlorodifluoromethane and Trichlorofluoromethane (biased high), Bromoform and Methyl acetate (biased low). 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.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1044700 recovered outside control limits for 1,2,3-Trichlorobenzene. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1044700 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene, 2-Hexanone and Bromomethane.

The prep blank for analytical batch 460-1044700 contained Toluene above the method detection limit but less than the reporting limit (RL); re-analysis of samples was not performed.

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

Sample Hot-1 (460-328560-1) was analyzed for Semivolatile Organic Compounds (GC/MS). The sample was prepared and analyzed on 6/18/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1044343 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1044412 was outside the method criteria for the following analyte(s): 1,2-Diphenylhydrazine, 2-Nitroaniline, 4-Nitrophenol, Benzaldehyde and bis (2-chloroisopropyl) ether. 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.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1044357 and analytical batch 460-1044412 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Caprolactam. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

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

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Case Narrative

Client: Environmental Design Inc
Project: Ramsey High

Job ID: 460-328560-1

Job ID: 460-328560-1 (Continued)

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Sample Hot-1 (460-328560-1) was analyzed for Semivolatile Organic Compounds (GC/MS) - SPLP East. The sample was leached on 6/17/2025, prepared on 6/19/2025 and analyzed on 6/20/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1044883 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 460-1044688 and analytical batch 460-1044883 recovered outside control limits for the following analyte(s): 2,4-Dinitrophenol. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1044688 and analytical batch 460-1044883 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - SPLP East

Sample Hot-1 (460-328560-1) was analyzed for Semivolatile Organic Compounds (GC/MS SIM) - SPLP East. The sample was leached on 6/17/2025, prepared on 6/19/2025 and analyzed on 6/20/2025.

The surrogate recovery for the blank associated with preparation batch 460-1044688 and analytical batch 460-1044880 was outside the upper control limits.

The continuing calibration verification (CCV) associated with batch 460-1044880 recovered above the upper control limit for 4,6-Dinitro-2-methylphenol, Bis(2-chloroethyl)ether, Benzo[a]pyrene and Benzo[k]fluoranthene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1044688 and analytical batch 460-1044880 recovered outside control limits for the following analytes: 4,6-Dinitro-2-methylphenol. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Sample Hot-1 (460-328560-1) was analyzed for New Jersey Extractable Petroleum Hydrocarbons. The sample was prepared and analyzed on 6/17/2025.

Sample Hot-1 (460-328560-1)[10x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Sample Hot-1 (460-328560-1) was analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The sample was prepared on 6/17/2025 and analyzed on 6/20/2025.

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

Sample Hot-1 (460-328560-1) was analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography - SPLP East. The sample was leached on 6/17/2025, prepared on 6/19/2025 and analyzed on 6/20/2025.

The Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: Hot-1 (460-328560-1). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 6020B - Metals (ICP/MS)

Sample Hot-1 (460-328560-1) was analyzed for Metals (ICP/MS). The sample was prepared on 6/19/2025 and analyzed on 6/20/2025.

Method 6020B - Metals (ICP/MS) - SPLP East

Sample Hot-1 (460-328560-1) was analyzed for Metals (ICP/MS) - SPLP East. The sample was leached on 6/17/2025, prepared on 6/18/2025 and analyzed on 6/19/2025.

Method 7470A - Mercury (CVAA) - SPLP East

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Case Narrative

Client: Environmental Design Inc
Project: Ramsey High

Job ID: 460-328560-1

Job ID: 460-328560-1 (Continued)

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Sample Hot-1 (460-328560-1) was analyzed for Mercury (CVAA) - SPLP East. The sample was leached on 6/17/2025 and prepared and analyzed on 6/24/2025.

Method 7471B - Mercury (CVAA)

Sample Hot-1 (460-328560-1) was analyzed for Mercury (CVAA). The sample was prepared and analyzed on 6/20/2025.

Method Moisture - Percent Moisture

Sample Hot-1 (460-328560-1) was analyzed for Percent Moisture. The sample was analyzed on 6/17/2025.

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Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00040	U	0.0010	0.00040	mg/L			06/19/25 19:25	1
Bromomethane	0.00028	U *1	0.0010	0.00028	mg/L			06/19/25 19:25	1
Vinyl chloride	0.00017	U	0.0010	0.00017	mg/L			06/19/25 19:25	1
Chloroethane	0.00032	U	0.0010	0.00032	mg/L			06/19/25 19:25	1
Methylene Chloride	0.00058	J	0.0010	0.00031	mg/L			06/19/25 19:25	1
Acetone	0.017		0.0050	0.0044	mg/L			06/19/25 19:25	1
Carbon disulfide	0.00082	U	0.0010	0.00082	mg/L			06/19/25 19:25	1
Trichlorofluoromethane	0.00032	U	0.0010	0.00032	mg/L			06/19/25 19:25	1
1,1-Dichloroethene	0.00026	U	0.0010	0.00026	mg/L			06/19/25 19:25	1
1,1-Dichloroethane	0.00026	U	0.0010	0.00026	mg/L			06/19/25 19:25	1
trans-1,2-Dichloroethene	0.00024	U	0.0010	0.00024	mg/L			06/19/25 19:25	1
cis-1,2-Dichloroethene	0.00022	U	0.0010	0.00022	mg/L			06/19/25 19:25	1
Chloroform	0.00033	U	0.0010	0.00033	mg/L			06/19/25 19:25	1
1,2-Dichloroethane	0.00043	U	0.0010	0.00043	mg/L			06/19/25 19:25	1
2-Butanone (MEK)	0.0019	U	0.0050	0.0019	mg/L			06/19/25 19:25	1
1,1,1-Trichloroethane	0.00024	U	0.0010	0.00024	mg/L			06/19/25 19:25	1
Carbon tetrachloride	0.00021	U	0.0010	0.00021	mg/L			06/19/25 19:25	1
Dichlorobromomethane	0.00034	U	0.0010	0.00034	mg/L			06/19/25 19:25	1
1,2-Dichloropropane	0.00035	U	0.0010	0.00035	mg/L			06/19/25 19:25	1
cis-1,3-Dichloropropene	0.00022	U	0.0010	0.00022	mg/L			06/19/25 19:25	1
Trichloroethene	0.00031	U	0.0010	0.00031	mg/L			06/19/25 19:25	1
Chlorodibromomethane	0.00028	U	0.0010	0.00028	mg/L			06/19/25 19:25	1
1,1,2-Trichloroethane	0.00020	U	0.0010	0.00020	mg/L			06/19/25 19:25	1
Benzene	0.00020	U	0.0010	0.00020	mg/L			06/19/25 19:25	1
trans-1,3-Dichloropropene	0.00022	U	0.0010	0.00022	mg/L			06/19/25 19:25	1
Bromoform	0.00054	U	0.0010	0.00054	mg/L			06/19/25 19:25	1
4-Methyl-2-pentanone (MIBK)	0.0013	U	0.0050	0.0013	mg/L			06/19/25 19:25	1
2-Hexanone	0.0011	U *1	0.0050	0.0011	mg/L			06/19/25 19:25	1
Tetrachloroethene	0.00025	U	0.0010	0.00025	mg/L			06/19/25 19:25	1
1,1,2,2-Tetrachloroethane	0.00037	U	0.0010	0.00037	mg/L			06/19/25 19:25	1
Toluene	0.00041	J B	0.0010	0.00038	mg/L			06/19/25 19:25	1
Chlorobenzene	0.00038	U	0.0010	0.00038	mg/L			06/19/25 19:25	1
Ethylbenzene	0.00030	U	0.0010	0.00030	mg/L			06/19/25 19:25	1
Styrene	0.00041	U	0.0010	0.00041	mg/L			06/19/25 19:25	1
m-Xylene & p-Xylene	0.00033	J	0.0020	0.00030	mg/L			06/19/25 19:25	1
o-Xylene	0.00036	U	0.0010	0.00036	mg/L			06/19/25 19:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00031	U	0.0010	0.00031	mg/L			06/19/25 19:25	1
Methyl tert-butyl ether	0.00022	U	0.0010	0.00022	mg/L			06/19/25 19:25	1
Cyclohexane	0.00032	U	0.0010	0.00032	mg/L			06/19/25 19:25	1
Ethylene Dibromide	0.00050	U	0.0010	0.00050	mg/L			06/19/25 19:25	1
1,3-Dichlorobenzene	0.00034	U	0.0010	0.00034	mg/L			06/19/25 19:25	1
1,4-Dichlorobenzene	0.00033	U	0.0010	0.00033	mg/L			06/19/25 19:25	1
1,2-Dichlorobenzene	0.00021	U	0.0010	0.00021	mg/L			06/19/25 19:25	1
Dichlorodifluoromethane	0.00031	U	0.0020	0.00031	mg/L			06/19/25 19:25	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/L			06/19/25 19:25	1
1,4-Dioxane	0.028	U	0.050	0.028	mg/L			06/19/25 19:25	1
1,2,3-Trichlorobenzene	0.00036	U *+ *1	0.0010	0.00036	mg/L			06/19/25 19:25	1
1,2-Dibromo-3-Chloropropane	0.00038	U	0.0010	0.00038	mg/L			06/19/25 19:25	1
Chlorobromomethane	0.00041	U	0.0010	0.00041	mg/L			06/19/25 19:25	1

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Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.00067	J	0.0010	0.00034	mg/L			06/19/25 19:25	1
Methyl acetate	0.00078	U	0.0050	0.00078	mg/L			06/19/25 19:25	1
Methylcyclohexane	0.00071	U	0.0010	0.00071	mg/L			06/19/25 19:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
3-(4-Methyl-piperazin-1-yl)-N-(4-trifluoromethoxy-phenyl)-pr	0.011	J N	mg/L		1.01	1000294-41-0		06/19/25 19:25	1
Nonane, 2,6-dimethyl-	0.0063	J N	mg/L		10.39	17302-28-2		06/19/25 19:25	1
Cyclohexane, butyl-	0.0068	J N	mg/L		10.71	1678-93-9		06/19/25 19:25	1
Benzene, 1-methyl-4-propyl-	0.0056	J N	mg/L		10.87	1074-55-1		06/19/25 19:25	1
Naphthalene, decahydro-	0.0066	J N	mg/L		11.35	91-17-8		06/19/25 19:25	1
Unknown	0.0075	J	mg/L		11.75	N/A		06/19/25 19:25	1
Unknown	0.0095	J	mg/L		11.88	N/A		06/19/25 19:25	1
Benzene, 1-ethyl-3,5-dimethyl-	0.020	J N	mg/L		12.20	934-74-7		06/19/25 19:25	1
Unknown	0.0072	J	mg/L		12.38	N/A		06/19/25 19:25	1
1-Methyldecahydronaphthalene	0.0097	J N	mg/L		12.45	2958-75-0		06/19/25 19:25	1
Benzene, 1-ethyl-3,5-dimethyl-	0.014	J N	mg/L		12.65	934-74-7		06/19/25 19:25	1
Benzene, 2-ethenyl-1,4-dimethyl-	0.0087	J N	mg/L		13.06	2039-89-6		06/19/25 19:25	1
Benzene, 1,2,4,5-tetramethyl-	0.013	J N	mg/L		13.11	95-93-2		06/19/25 19:25	1
Naphthalene, 1,2,3,4-tetrahydro-	0.0079	J N	mg/L		13.19	119-64-2		06/19/25 19:25	1
Benzene, (2-methyl-1-butenyl)-	0.0080	J N	mg/L		13.43	56253-64-6		06/19/25 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		70 - 128		06/19/25 19:25	1
Toluene-d8 (Surr)	90		80 - 120		06/19/25 19:25	1
4-Bromofluorobenzene	114		76 - 120		06/19/25 19:25	1
Dibromofluoromethane (Surr)	84		77 - 132		06/19/25 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.0090	U	0.18	0.0090	ug/L		06/19/25 07:24	06/20/25 03:59	1
Benzo[a]pyrene	0.015	U	0.18	0.015	ug/L		06/19/25 07:24	06/20/25 03:59	1
Benzo[b]fluoranthene	0.012	U	0.18	0.012	ug/L		06/19/25 07:24	06/20/25 03:59	1
Bis(2-chloroethyl)ether	0.0070	U	0.11	0.0070	ug/L		06/19/25 07:24	06/20/25 03:59	1
Hexachlorobenzene	0.0060	U	0.071	0.0060	ug/L		06/19/25 07:24	06/20/25 03:59	1
N-Nitrosodimethylamine	0.037	U	0.71	0.037	ug/L		06/19/25 07:24	06/20/25 03:59	1
Pentachlorophenol	0.024	U	0.36	0.024	ug/L		06/19/25 07:24	06/20/25 03:59	1
1,4-Dioxane	0.050	U	0.71	0.050	ug/L		06/19/25 07:24	06/20/25 03:59	1
Indeno[1,2,3-cd]pyrene	0.012	U	0.18	0.012	ug/L		06/19/25 07:24	06/20/25 03:59	1
Dibenz(a,h)anthracene	0.014	U	0.18	0.014	ug/L		06/19/25 07:24	06/20/25 03:59	1
Benzo[k]fluoranthene	0.0070	U	0.18	0.0070	ug/L		06/19/25 07:24	06/20/25 03:59	1
Benzo[g,h,i]perylene	0.011	U	0.18	0.011	ug/L		06/19/25 07:24	06/20/25 03:59	1
4,6-Dinitro-2-methylphenol	0.19	U **	1.4	0.19	ug/L		06/19/25 07:24	06/20/25 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		10 - 150	06/19/25 07:24	06/20/25 03:59	1
Nitrobenzene-d5	110		24 - 149	06/19/25 07:24	06/20/25 03:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.36	U	10	0.36	ug/L		06/19/25 07:24	06/20/25 03:30	1

Eurofins Edison

Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.70	U	10	0.70	ug/L		06/19/25 07:24	06/20/25 03:30	1
2-Methylphenol	0.60	U	10	0.60	ug/L		06/19/25 07:24	06/20/25 03:30	1
4-Methylphenol	0.58	U	10	0.58	ug/L		06/19/25 07:24	06/20/25 03:30	1
2-Nitrophenol	1.2	U	10	1.2	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,4-Dimethylphenol	0.48	U	10	0.48	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,4-Dichlorophenol	0.47	U	10	0.47	ug/L		06/19/25 07:24	06/20/25 03:30	1
4-Chloro-3-methylphenol	0.66	U	10	0.66	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,4,6-Trichlorophenol	1.1	U	3.0	1.1	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,4,5-Trichlorophenol	0.72	U	10	0.72	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,4-Dinitrotoluene	0.63	U	10	0.63	ug/L		06/19/25 07:24	06/20/25 03:30	1
4-Nitrophenol	8.1	U	20	8.1	ug/L		06/19/25 07:24	06/20/25 03:30	1
N-Nitrosodi-n-propylamine	0.46	U	1.0	0.46	ug/L		06/19/25 07:24	06/20/25 03:30	1
Hexachloroethane	0.28	U	0.80	0.28	ug/L		06/19/25 07:24	06/20/25 03:30	1
Nitrobenzene	0.54	U	1.0	0.54	ug/L		06/19/25 07:24	06/20/25 03:30	1
Isophorone	0.71	U	10	0.71	ug/L		06/19/25 07:24	06/20/25 03:30	1
Naphthalene	0.21	U	2.0	0.21	ug/L		06/19/25 07:24	06/20/25 03:30	1
4-Chloroaniline	0.89	U	5.0	0.89	ug/L		06/19/25 07:24	06/20/25 03:30	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L		06/19/25 07:24	06/20/25 03:30	1
2-Methylnaphthalene	0.73	U	10	0.73	ug/L		06/19/25 07:24	06/20/25 03:30	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		06/19/25 07:24	06/20/25 03:30	1
2-Chloronaphthalene	0.97	U	10	0.97	ug/L		06/19/25 07:24	06/20/25 03:30	1
2-Nitroaniline	1.6	U	10	1.6	ug/L		06/19/25 07:24	06/20/25 03:30	1
Dimethyl phthalate	0.92	U	10	0.92	ug/L		06/19/25 07:24	06/20/25 03:30	1
Acenaphthylene	0.91	U	10	0.91	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,6-Dinitrotoluene	0.54	U	2.0	0.54	ug/L		06/19/25 07:24	06/20/25 03:30	1
3-Nitroaniline	1.2	U	10	1.2	ug/L		06/19/25 07:24	06/20/25 03:30	1
Acenaphthene	0.89	U	10	0.89	ug/L		06/19/25 07:24	06/20/25 03:30	1
Dibenzofuran	0.83	U	10	0.83	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,4-Dinitrophenol	4.0	U *	40	4.0	ug/L		06/19/25 07:24	06/20/25 03:30	1
Diethyl phthalate	1.3	U	10	1.3	ug/L		06/19/25 07:24	06/20/25 03:30	1
4-Chlorophenyl phenyl ether	0.77	U	10	0.77	ug/L		06/19/25 07:24	06/20/25 03:30	1
Fluorene	0.68	U	10	0.68	ug/L		06/19/25 07:24	06/20/25 03:30	1
4-Nitroaniline	2.6	U	10	2.6	ug/L		06/19/25 07:24	06/20/25 03:30	1
N-Nitrosodiphenylamine	0.74	U	10	0.74	ug/L		06/19/25 07:24	06/20/25 03:30	1
4-Bromophenyl phenyl ether	1.2	U	10	1.2	ug/L		06/19/25 07:24	06/20/25 03:30	1
Phenanthrene	1.0	U	10	1.0	ug/L		06/19/25 07:24	06/20/25 03:30	1
Anthracene	0.84	U	10	0.84	ug/L		06/19/25 07:24	06/20/25 03:30	1
Carbazole	0.99	U	10	0.99	ug/L		06/19/25 07:24	06/20/25 03:30	1
Di-n-butyl phthalate	2.1	U	10	2.1	ug/L		06/19/25 07:24	06/20/25 03:30	1
Fluoranthene	1.3	U	10	1.3	ug/L		06/19/25 07:24	06/20/25 03:30	1
Pyrene	1.5	U	10	1.5	ug/L		06/19/25 07:24	06/20/25 03:30	1
Butyl benzyl phthalate	2.6	U	10	2.6	ug/L		06/19/25 07:24	06/20/25 03:30	1
Chrysene	0.63	U	2.0	0.63	ug/L		06/19/25 07:24	06/20/25 03:30	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	2.0	ug/L		06/19/25 07:24	06/20/25 03:30	1
Di-n-octyl phthalate	3.9	U	10	3.9	ug/L		06/19/25 07:24	06/20/25 03:30	1
1,1'-Biphenyl	0.77	U	5.0	0.77	ug/L		06/19/25 07:24	06/20/25 03:30	1
Acetophenone	0.80	U	10	0.80	ug/L		06/19/25 07:24	06/20/25 03:30	1
Benzaldehyde	0.88	U **	10	0.88	ug/L		06/19/25 07:24	06/20/25 03:30	1
Caprolactam	5.1	U	10	5.1	ug/L		06/19/25 07:24	06/20/25 03:30	1

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Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	1.7	U **	2.0	1.7	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,2'-oxybis[1-chloropropane]	0.56	U	10	0.56	ug/L		06/19/25 07:24	06/20/25 03:30	1
1,2,4,5-Tetrachlorobenzene	0.64	U	10	0.64	ug/L		06/19/25 07:24	06/20/25 03:30	1
2,3,4,6-Tetrachlorophenol	1.0	U	10	1.0	ug/L		06/19/25 07:24	06/20/25 03:30	1
3,3'-Dichlorobenzidine	3.9	U	5.2	3.9	ug/L		06/19/25 07:24	06/20/25 03:30	1
Bis(2-chloroethoxy)methane	0.71	U	10	0.71	ug/L		06/19/25 07:24	06/20/25 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	134		34 - 144	06/19/25 07:24	06/20/25 03:30	1
Phenol-d5 (Surr)	60		10 - 70	06/19/25 07:24	06/20/25 03:30	1
Terphenyl-d14 (Surr)	47		10 - 150	06/19/25 07:24	06/20/25 03:30	1
2,4,6-Tribromophenol (Surr)	119		29 - 150	06/19/25 07:24	06/20/25 03:30	1
2-Fluorophenol (Surr)	80		17 - 93	06/19/25 07:24	06/20/25 03:30	1
2-Fluorobiphenyl	116		29 - 140	06/19/25 07:24	06/20/25 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.045	U F1	0.20	0.045	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1221	0.045	U	0.20	0.045	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1232	0.045	U	0.20	0.045	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1242	0.045	U	0.20	0.045	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1248	0.045	U	0.20	0.045	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1254	0.037	U	0.20	0.037	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1260	0.037	U F1	0.20	0.037	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1262	0.037	U	0.20	0.037	ug/L		06/19/25 08:01	06/20/25 19:57	1
Aroclor 1268	0.037	U	0.20	0.037	ug/L		06/19/25 08:01	06/20/25 19:57	1
Polychlorinated biphenyls, Total	0.037	U	0.20	0.037	ug/L		06/19/25 08:01	06/20/25 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	128		10 - 150	06/19/25 08:01	06/20/25 19:57	1
DCB Decachlorobiphenyl	159	S1+	10 - 150	06/19/25 08:01	06/20/25 19:57	1
Tetrachloro-m-xylene	108		10 - 147	06/19/25 08:01	06/20/25 19:57	1
Tetrachloro-m-xylene	133		10 - 147	06/19/25 08:01	06/20/25 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.29	U	2.0	0.29	ug/L		06/18/25 14:50	06/19/25 21:02	1
Aluminum	34400		40.0	19.5	ug/L		06/18/25 14:50	06/19/25 21:02	1
Arsenic	19.9		2.0	0.89	ug/L		06/18/25 14:50	06/19/25 21:02	1
Barium	135		4.0	0.91	ug/L		06/18/25 14:50	06/19/25 21:02	1
Beryllium	1.1		0.80	0.13	ug/L		06/18/25 14:50	06/19/25 21:02	1
Calcium	1940		500	53.6	ug/L		06/18/25 14:50	06/19/25 21:02	1
Cadmium	0.29	U	0.92	0.29	ug/L		06/18/25 14:50	06/19/25 21:02	1
Cobalt	7.7		2.0	0.24	ug/L		06/18/25 14:50	06/19/25 21:02	1
Chromium	44.5		4.0	1.2	ug/L		06/18/25 14:50	06/19/25 21:02	1
Copper	25.6		4.0	2.5	ug/L		06/18/25 14:50	06/19/25 21:02	1
Iron	33300		120	58.2	ug/L		06/18/25 14:50	06/19/25 21:02	1
Potassium	4120		200	112	ug/L		06/18/25 14:50	06/19/25 21:02	1
Magnesium	3030		200	20.9	ug/L		06/18/25 14:50	06/19/25 21:02	1
Manganese	113		8.0	1.5	ug/L		06/18/25 14:50	06/19/25 21:02	1

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Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	35100		500	219	ug/L		06/18/25 14:50	06/19/25 21:02	1
Nickel	20.8		4.0	0.91	ug/L		06/18/25 14:50	06/19/25 21:02	1
Lead	16.3		1.2	0.84	ug/L		06/18/25 14:50	06/19/25 21:02	1
Antimony	1.6	J	2.0	0.30	ug/L		06/18/25 14:50	06/19/25 21:02	1
Selenium	0.79	J	2.5	0.59	ug/L		06/18/25 14:50	06/19/25 21:02	1
Thallium	0.17	J	0.50	0.17	ug/L		06/18/25 14:50	06/19/25 21:02	1
Vanadium	68.3		4.0	0.68	ug/L		06/18/25 14:50	06/19/25 21:02	1
Zinc	103		16.0	6.5	ug/L		06/18/25 14:50	06/19/25 21:02	1

Method: SW846 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	J	0.20	0.091	ug/L		06/24/25 10:37	06/24/25 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.7		1.0	1.0	%			06/17/25 17:40	1
Percent Solids (EPA Moisture)	87.3		1.0	1.0	%			06/17/25 17:40	1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	13	U	380	13	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
1,2,4,5-Tetrachlorobenzene	12	U	380	12	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,2'-oxybis[1-chloropropane]	23	U	380	23	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,3,4,6-Tetrachlorophenol	26	U	380	26	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,4,5-Trichlorophenol	39	U	380	39	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,4,6-Trichlorophenol	49	U	150	49	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,4-Dichlorophenol	24	U	150	24	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,4-Dimethylphenol	45	U	380	45	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,4-Dinitrophenol	190	U	300	190	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,4-Dinitrotoluene	41	U	77	41	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2,6-Dinitrotoluene	27	U	77	27	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2-Chloronaphthalene	49	U	380	49	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2-Chlorophenol	13	U	380	13	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2-Methylnaphthalene	1500		380	11	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2-Methylphenol	14	U	380	14	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2-Nitroaniline	29	U	380	29	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
2-Nitrophenol	38	U	380	38	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
3,3'-Dichlorobenzidine	57	U	150	57	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
3-Nitroaniline	90	U	380	90	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
4,6-Dinitro-2-methylphenol	150	U	300	150	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
4-Bromophenyl phenyl ether	15	U	380	15	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
4-Chloro-3-methylphenol	21	U	380	21	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
4-Chloroaniline	67	U	380	67	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
4-Chlorophenyl phenyl ether	13	U	380	13	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
4-Methylphenol	24	U	380	24	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1
4-Nitroaniline	96	U	380	96	ug/Kg	✱	06/18/25 06:27	06/18/25 10:46	1

Eurofins Edison

Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	62	U	770	62	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Acenaphthene	48	J	380	11	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Acenaphthylene	11	U	380	11	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Acetophenone	19	U	380	19	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Anthracene	12	U	380	12	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Atrazine	22	U **	150	22	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Benzaldehyde	63	U **	380	63	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Benzo[a]anthracene	29	U	38	29	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Benzo[a]pyrene	10	U	38	10	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Benzo[b]fluoranthene	9.8	U	38	9.8	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Benzo[g,h,i]perylene	11	U	380	11	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Benzo[k]fluoranthene	7.4	U	38	7.4	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Bis(2-chloroethoxy)methane	70	U	380	70	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Bis(2-chloroethyl)ether	13	U	38	13	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Bis(2-ethylhexyl) phthalate	20	U	380	20	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Butyl benzyl phthalate	18	U	380	18	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Caprolactam	59	U **	380	59	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Carbazole	14	U	380	14	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Chrysene	16	U	380	16	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Dibenz(a,h)anthracene	16	U	38	16	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Dibenzofuran	90	J	380	13	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Diethyl phthalate	12	U	380	12	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Dimethyl phthalate	86	U	380	86	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Di-n-butyl phthalate	14	U	380	14	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Di-n-octyl phthalate	20	U	380	20	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Fluoranthene	13	U	380	13	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Fluorene	150	J	380	11	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Hexachlorobenzene	18	U	38	18	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Hexachlorobutadiene	8.1	U	77	8.1	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Hexachlorocyclopentadiene	33	U	380	33	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Hexachloroethane	13	U	38	13	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Indeno[1,2,3-cd]pyrene	15	U	38	15	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Isophorone	110	U	150	110	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Naphthalene	440		380	6.5	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Nitrobenzene	21	U	38	21	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
N-Nitrosodi-n-propylamine	28	U	38	28	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
N-Nitrosodiphenylamine	31	U	380	31	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Pentachlorophenol	78	U	300	78	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Phenanthrene	98	J	380	15	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Phenol	14	U	380	14	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1
Pyrene	9.4	U	380	9.4	ug/Kg	☼	06/18/25 06:27	06/18/25 10:46	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2600	J	ug/Kg	☼	5.56	N/A	06/18/25 06:27	06/18/25 10:46	1
Unknown	2700	J	ug/Kg	☼	5.61	N/A	06/18/25 06:27	06/18/25 10:46	1
Cyclohexane, pentyl-	2200	J N	ug/Kg	☼	5.79	4292-92-6	06/18/25 06:27	06/18/25 10:46	1
Naphthalene, decahydro-2-methyl-	2300	J N	ug/Kg	☼	5.81	2958-76-1	06/18/25 06:27	06/18/25 10:46	1
Unknown	2200	J	ug/Kg	☼	6.10	N/A	06/18/25 06:27	06/18/25 10:46	1
Undecane, 2,6-dimethyl-	4600	J N	ug/Kg	☼	6.21	17301-23-4	06/18/25 06:27	06/18/25 10:46	1
Unknown	3500	J	ug/Kg	☼	6.42	N/A	06/18/25 06:27	06/18/25 10:46	1

Eurofins Edison

Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

Percent Solids: 87.3

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Octane, 2,6-dimethyl-	7900	J N	ug/Kg	⊛	6.55	2051-30-1	06/18/25 06:27	06/18/25 10:46	1
Cyclohexane, octyl-	3000	J N	ug/Kg	⊛	7.00	1795-15-9	06/18/25 06:27	06/18/25 10:46	1
Dodecane, 2,6,10-trimethyl-	7700	J N	ug/Kg	⊛	7.11	3891-98-3	06/18/25 06:27	06/18/25 10:46	1
Unknown	2400	J	ug/Kg	⊛	7.24	N/A	06/18/25 06:27	06/18/25 10:46	1
Decane, 5-propyl-	6200	J N	ug/Kg	⊛	7.54	17312-62-8	06/18/25 06:27	06/18/25 10:46	1
Hexadecane, 2,6,10,14-tetramethyl-	2000	J N	ug/Kg	⊛	8.40	638-36-8	06/18/25 06:27	06/18/25 10:46	1
Dodecane, 2,6,11-trimethyl-	2600	J N	ug/Kg	⊛	8.65	31295-56-4	06/18/25 06:27	06/18/25 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		18 - 137	06/18/25 06:27	06/18/25 10:46	1
2-Fluorobiphenyl	62		33 - 117	06/18/25 06:27	06/18/25 10:46	1
2-Fluorophenol (Surr)	64		24 - 120	06/18/25 06:27	06/18/25 10:46	1
Nitrobenzene-d5 (Surr)	66		27 - 120	06/18/25 06:27	06/18/25 10:46	1
Phenol-d5 (Surr)	59		28 - 118	06/18/25 06:27	06/18/25 10:46	1
Terphenyl-d14 (Surr)	63		33 - 124	06/18/25 06:27	06/18/25 10:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor 1221	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor 1232	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor 1242	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor 1248	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor 1254	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor 1260	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor-1262	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Aroclor 1268	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1
Polychlorinated biphenyls, Total	20	U	77	20	ug/Kg	⊛	06/17/25 10:51	06/20/25 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	108		10 - 150	06/17/25 10:51	06/20/25 01:17	1
DCB Decachlorobiphenyl	103		10 - 150	06/17/25 10:51	06/20/25 01:17	1
Tetrachloro-m-xylene	80		10 - 150	06/17/25 10:51	06/20/25 01:17	1
Tetrachloro-m-xylene	78		10 - 150	06/17/25 10:51	06/20/25 01:17	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	1800		160	160	mg/Kg	☼	06/17/25 04:52	06/17/25 13:29	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	84		40 - 140				06/17/25 04:52	06/17/25 13:29	10
1-Chlorooctadecane	92		40 - 140				06/17/25 04:52	06/17/25 13:29	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.090	U	0.41	0.090	mg/Kg	⊛	06/19/25 12:11	06/20/25 03:47	1
Aluminum	6840		20.3	5.6	mg/Kg	⊛	06/19/25 12:11	06/20/25 03:47	1
Arsenic	3.1		1.0	0.10	mg/Kg	⊛	06/19/25 12:11	06/20/25 03:47	1
Barium	28.0		2.0	0.15	mg/Kg	⊛	06/19/25 12:11	06/20/25 03:47	1
Beryllium	0.28	J	0.41	0.022	mg/Kg	⊛	06/19/25 12:11	06/20/25 03:47	1

Eurofins Edison

Client Sample Results

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	487		101	9.9	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Cadmium	0.11	U	1.0	0.11	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Cobalt	2.8		2.0	0.15	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Chromium	11.6		2.0	0.30	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Copper	5.9		2.0	0.37	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Iron	10900		60.8	7.8	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Potassium	289		101	16.4	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Magnesium	1210		101	10.3	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Manganese	51.6		4.1	0.41	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Sodium	416		101	46.3	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Nickel	6.5		2.0	0.18	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Lead	3.2		0.61	0.20	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Antimony	0.15	U	1.0	0.15	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Selenium	0.18	J	1.3	0.13	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Thallium	0.042	U	0.41	0.042	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Vanadium	15.9		2.0	0.21	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1
Zinc	21.1		8.1	1.1	mg/Kg	✱	06/19/25 12:11	06/20/25 03:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0086	mg/Kg	✱	06/20/25 00:41	06/20/25 11:19	1

Lab Chronicle

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP	Leach	1312			1044493	BJB	EET EDI	06/18/25 12:17 - 06/19/25 08:00 ¹
SPLP	Analysis	8260D		1	1044700	MZS	EET EDI	06/19/25 19:25
SPLP East	Leach	1312			1044292	YAH	EET EDI	06/17/25 16:55 - 06/18/25 09:00 ¹
SPLP East	Prep	3511			1044688	TMP	EET EDI	06/19/25 07:24
SPLP East	Analysis	8270E		1	1044883	MME	EET EDI	06/20/25 03:30
SPLP East	Leach	1312			1044292	YAH	EET EDI	06/17/25 16:55 - 06/18/25 09:00 ¹
SPLP East	Prep	3511			1044688	TMP	EET EDI	06/19/25 07:24
SPLP East	Analysis	8270E SIM		1	1044880	MME	EET EDI	06/20/25 03:59
SPLP East	Leach	1312			1044292	YAH	EET EDI	06/17/25 16:55 - 06/18/25 09:00 ¹
SPLP East	Prep	3511			1044713	TMP	EET EDI	06/19/25 08:01
SPLP East	Analysis	8082A		1	1045166	JHP	EET EDI	06/20/25 19:57
SPLP East	Leach	1312			1044292	YAH	EET EDI	06/17/25 16:55 - 06/18/25 09:00 ¹
SPLP East	Prep	3010A			1044543	TAP	EET EDI	06/18/25 14:50
SPLP East	Analysis	6020B		1	1044939	DLE	EET EDI	06/19/25 21:02
SPLP East	Leach	1312			1044292	YAH	EET EDI	06/17/25 16:55 - 06/18/25 09:00 ¹
SPLP East	Prep	7470A			1045748	JKF	EET EDI	06/24/25 10:37
SPLP East	Analysis	7470A		1	1045849	JKF	EET EDI	06/24/25 16:11
Total/NA	Analysis	Moisture		1	1044266	CJC	EET EDI	06/17/25 17:40

Client Sample ID: Hot-1

Lab Sample ID: 460-328560-1

Date Collected: 06/16/25 13:05

Matrix: Solid

Date Received: 06/16/25 17:15

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1044357	BJB	EET EDI	06/18/25 06:27
Total/NA	Analysis	8270E		1	1044343	MDJ	EET EDI	06/18/25 10:46
Total/NA	Prep	3546			1044204	OTS	EET EDI	06/17/25 10:51
Total/NA	Analysis	8082A		1	1044802	SAK	EET EDI	06/20/25 01:17
Total/NA	Prep	3546			1044021	ARA	EET EDI	06/17/25 04:52
Total/NA	Analysis	NJDEP EPH		10	1044170	OXG	EET EDI	06/17/25 13:29
Total/NA	Prep	3050B			1044793	FBT	EET EDI	06/19/25 12:11
Total/NA	Analysis	6020B		1	1044939	DLE	EET EDI	06/20/25 03:47
Total/NA	Prep	7471B			1044931	TJS	EET EDI	06/20/25 00:41
Total/NA	Analysis	7471B		1	1045114	JKF	EET EDI	06/20/25 11:19

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Eurofins Edison

Accreditation/Certification Summary

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	12028	06-30-25

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
8082A	3511	Solid	Polychlorinated biphenyls, Total
8082A	3546	Solid	Polychlorinated biphenyls, Total
8260D		Solid	m-Xylene & p-Xylene
8270E SIM	3511	Solid	1,4-Dioxane
8270E SIM	3511	Solid	4,6-Dinitro-2-methylphenol
8270E SIM	3511	Solid	Benzo[a]anthracene
8270E SIM	3511	Solid	Benzo[a]pyrene
8270E SIM	3511	Solid	Benzo[b]fluoranthene
8270E SIM	3511	Solid	Benzo[g,h,i]perylene
8270E SIM	3511	Solid	Benzo[k]fluoranthene
8270E SIM	3511	Solid	Bis(2-chloroethyl)ether
8270E SIM	3511	Solid	Dibenz(a,h)anthracene
8270E SIM	3511	Solid	Hexachlorobenzene
8270E SIM	3511	Solid	Indeno[1,2,3-cd]pyrene
8270E SIM	3511	Solid	N-Nitrosodimethylamine
8270E SIM	3511	Solid	Pentachlorophenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	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
Moisture	Percent Moisture	EPA	EET EDI
1312	SPLP Extraction	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3511	Microextraction of Organic Compounds	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

NJDEP = New Jersey Department of Environmental Protection

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: Environmental Design Inc
Project/Site: Ramsey High

Job ID: 460-328560-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-328560-1	Hot-1	Solid	06/16/25 13:05	06/16/25 17:15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

[illegible]

328560

Number of Coolers:

IR Gun #

Cooler Temperatures

	BANK		CORRECTED		BANK	CORRECTED
Cooler #1:	1-75	16			Cooler #7:	
Cooler #2:	1-11	18			Cooler #8:	
Cooler #3:					Cooler #9:	

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Sample No(s). adjusted:

Preservative Name/Conc.

Preservative Name/Conc.

Volume of Preservative used (ml)

Lot # of Preservative(s):

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: Pals

Date: 6/16/25

Login Sample Receipt Checklist

Client: Environmental Design Inc

Job Number: 460-328560-1

Login Number: 328560

List Source: Eurofins Edison

List Number: 1

Creator: Nelson, Rose E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	