

Project Name: Lee Delauter & Sons
PSS Project No.: 24051413

May 17, 2024

Patrick Upham
Triad Engineering - Hagerstown
1075 Sherman Avenue, Ste D
Hagerstown, MD 21740



Reference: PSS Project No: **24051413**
Project Name: Lee Delauter & Sons

Project ID.: 03-22-0748

Dear Patrick Upham:

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Project number(s) **24051413**.


All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on June 18, 2024, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,


Dan Prucnal

Laboratory Manager



Sample Summary

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

The following samples were received under chain of custody by Phase Separation Science (PSS) on 05/14/2024 at 12:56 pm
Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any
sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

PSS Sample ID	Sample ID	Matrix	Date/Time Collected
24051413-001	MW-1	WATER	05/13/24 15:00
24051413-002	MW-2	WATER	05/13/24 15:30
24051413-003	MW-3	WATER	05/13/24 15:45

Report Information

Project Name: Lee Delauter & Sons
PSS Project No.: 24051413

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminants, and part 141.3, for the secondary drinking water contaminants.
5. Samples prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
7. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements

Standard Flags/Abbreviations:

B	A target analyte was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C	Results pending final confirmation.
Dil	Dilution Factor is the factor applied to the reported data due to dilution of the sample aliquot.
E	The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
F	RPD exceeded the laboratory control limits.
Fail	The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
H	Recovery of BKS, BSD or both exceeded the laboratory control limits.
J	The target analyte was positively identified below the reporting limit but greater than the MDL.
L	Recovery of BKS, BSD or both below the laboratory control limits.
MCL	The Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water as determined by the EPA.
MDL	This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is the minimum result, which can be reliably discriminated from a blank with a predetermined confidence level.
ND	Not Detected at or above the reporting limit.
RL	PSS Reporting Limit.
X	Recovery outside of QC criteria.
%Rec	Percent Recovery

QC Types:

CCV	Continuing Calibration Verification	MD	Sample Duplicate
ICV	Initial Calibration Verification	MRL	Minimum Reporting Level
LCS / BKS	Laboratory Control Sample	MS	Matrix Spike
LCSD / BSD	Laboratory Control Sample Duplicate	MSD	Matrix Spike Duplicate
LLCCV	Low Level Continuing Calibration Verification	PDS	Post Digestion Spike
MB / BLK	Method Blank	RPD	Relative Percent Difference

Certifications:

<u>Authority</u>	<u>Program</u>	<u>Identification Number</u>
Maryland - MDE	State - Certification of Drinking Water Laboratories	179
MWAA	LDBE	LD1997-0041-2015
Pennsylvania - PADEP	NELAP	68-03330
USCG	NSWC	Accepted Laboratory
USDA	Regulated Soil Permit	P330-12-00268
Virginia - VELAP	NELAP	460156
West Virginia - WVDEP	State - Certified Laboratories	303

Certificate of Analysis

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Sample ID: MW-1 **Date/Time Sampled: 05/13/2024 15:00** **PSS Sample ID: 24051413-001**
Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

Total Petroleum Hydrocarbons - DRO Analytical Method: SW-846 8015C DRO Preparation Method: SW3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.40		1	05/14/24	05/14/24 17:57	1069
Surrogate(s)	Recovery		Limits					
<i>o</i> -Terphenyl	91	%	52-100		1	05/14/24	05/14/24 17:57	1069

Total Petroleum Hydrocarbons - GRO Analytical Method: SW-846 8015C GRO Preparation Method: SW5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	05/16/24	05/17/24 02:15	1045
Surrogate(s)	Recovery		Limits					
<i>a,a,a</i> -Trifluorotoluene	102	%	60-135		1	05/16/24	05/17/24 02:15	1045

TCL Volatiles plus Oxygenates Analytical Method: SW-846 8260 D Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acetone	ND	ug/L	5.0		1	05/14/24	05/14/24 14:46	1011
tert-Amyl alcohol	ND	ug/L	5.0		1	05/14/24	05/14/24 14:46	1011
tert-Amyl ethyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
tert-Amyl methyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Benzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Bromochloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Bromodichloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Bromoform	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Bromomethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
tert-Butyl alcohol	ND	ug/L	5.0		1	05/14/24	05/14/24 14:46	1011
2-Butanone (MEK)	ND	ug/L	5.0		1	05/14/24	05/14/24 14:46	1011
tert-Butyl ethyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Carbon Disulfide	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Carbon tetrachloride	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Chlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Chloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Chloroform	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Chloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011

Certificate of Analysis

Project Name: Lee Delauter & Sons
PSS Project No.: 24051413

Sample ID: MW-1 **Date/Time Sampled: 05/13/2024 15:00** **PSS Sample ID: 24051413-001**
Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

TCL Volatiles plus Oxygenates Analytical Method: SW-846 8260 D Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Cyclohexane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Dibromochloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,2-Dibromoethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
cis-1,2-Dichloroethene	2.8	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Diisopropyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Ethylbenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
2-Hexanone (MBK)	ND	ug/L	5.0		1	05/14/24	05/14/24 14:46	1011
Isopropylbenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Methyl Acetate	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Methylcyclohexane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Methylene chloride	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5.0		1	05/14/24	05/14/24 14:46	1011
Methyl-t-Butyl Ether	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Naphthalene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Styrene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Tetrachloroethene	3.7	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Toluene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Trichloroethene	5.3	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011

Certificate of Analysis

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Sample ID: MW-1 **Date/Time Sampled: 05/13/2024 15:00** **PSS Sample ID: 24051413-001**

Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

TCL Volatiles plus Oxygenates Analytical Method: SW-846 8260 D Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Trichlorofluoromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Vinyl chloride	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
m&p-Xylene	ND	ug/L	2.0		1	05/14/24	05/14/24 14:46	1011
o-Xylene	ND	ug/L	1.0		1	05/14/24	05/14/24 14:46	1011
Surrogate(s)	Recovery		Limits					
<i>4-Bromofluorobenzene</i>	108 %		88-120		1	05/14/24	05/14/24 14:46	1011
<i>Dibromofluoromethane</i>	102 %		92-107		1	05/14/24	05/14/24 14:46	1011
<i>Toluene-D8</i>	102 %		95-106		1	05/14/24	05/14/24 14:46	1011

Certificate of Analysis

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Sample ID: MW-2 **Date/Time Sampled: 05/13/2024 15:30** **PSS Sample ID: 24051413-002**
Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

Total Petroleum Hydrocarbons - DRO Analytical Method: SW-846 8015C DRO Preparation Method: SW3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	0.59	mg/L	0.40		1	05/14/24	05/14/24 18:22	1069
Surrogate(s)	Recovery		Limits					
<i>o</i> -Terphenyl	75	%	52-100		1	05/14/24	05/14/24 18:22	1069

Total Petroleum Hydrocarbons - GRO Analytical Method: SW-846 8015C GRO Preparation Method: SW5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	1,200	ug/L	100		1	05/16/24	05/17/24 02:37	1045
Surrogate(s)	Recovery		Limits					
<i>a,a,a</i> -Trifluorotoluene	107	%	60-135		1	05/16/24	05/17/24 02:37	1045

TCL Volatiles plus Oxygenates Analytical Method: SW-846 8260 D Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acetone	ND	ug/L	5.0		1	05/14/24	05/14/24 15:29	1011
tert-Amyl alcohol	ND	ug/L	5.0		1	05/14/24	05/14/24 15:29	1011
tert-Amyl ethyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
tert-Amyl methyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Benzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Bromochloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Bromodichloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Bromoform	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Bromomethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
tert-Butyl alcohol	6.1	ug/L	5.0		1	05/14/24	05/14/24 15:29	1011
2-Butanone (MEK)	ND	ug/L	5.0		1	05/14/24	05/14/24 15:29	1011
tert-Butyl ethyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Carbon Disulfide	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Carbon tetrachloride	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Chlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Chloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Chloroform	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Chloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011

Certificate of Analysis

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Sample ID: MW-2 **Date/Time Sampled: 05/13/2024 15:30** **PSS Sample ID: 24051413-002**
Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

TCL Volatiles plus Oxygenates

Analytical Method: SW-846 8260 D

Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Cyclohexane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Dibromochloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,2-Dibromoethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Diisopropyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Ethylbenzene	3.6	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
2-Hexanone (MBK)	ND	ug/L	5.0		1	05/14/24	05/14/24 15:29	1011
Isopropylbenzene	5.8	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Methyl Acetate	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Methylcyclohexane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Methylene chloride	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5.0		1	05/14/24	05/14/24 15:29	1011
Methyl-t-Butyl Ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Naphthalene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Styrene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Tetrachloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Toluene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
Trichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:29	1011

Certificate of Analysis

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Sample ID: MW-3 **Date/Time Sampled: 05/13/2024 15:45** **PSS Sample ID: 24051413-003**
Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

Total Petroleum Hydrocarbons - DRO Analytical Method: SW-846 8015C DRO Preparation Method: SW3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.40		1	05/14/24	05/14/24 18:47	1069
Surrogate(s)	Recovery		Limits					
<i>o</i> -Terphenyl	75	%	52-100		1	05/14/24	05/14/24 18:47	1069

Total Petroleum Hydrocarbons - GRO Analytical Method: SW-846 8015C GRO Preparation Method: SW5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	05/16/24	05/17/24 02:59	1045
Surrogate(s)	Recovery		Limits					
<i>a,a,a</i> -Trifluorotoluene	103	%	60-135		1	05/16/24	05/17/24 02:59	1045

TCL Volatiles plus Oxygenates Analytical Method: SW-846 8260 D Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acetone	ND	ug/L	5.0		1	05/14/24	05/14/24 15:08	1011
tert-Amyl alcohol	ND	ug/L	5.0		1	05/14/24	05/14/24 15:08	1011
tert-Amyl ethyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
tert-Amyl methyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Benzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Bromochloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Bromodichloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Bromoform	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Bromomethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
tert-Butyl alcohol	ND	ug/L	5.0		1	05/14/24	05/14/24 15:08	1011
2-Butanone (MEK)	ND	ug/L	5.0		1	05/14/24	05/14/24 15:08	1011
tert-Butyl ethyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Carbon Disulfide	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Carbon tetrachloride	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Chlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Chloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Chloroform	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Chloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011

Certificate of Analysis

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Sample ID: MW-3 **Date/Time Sampled: 05/13/2024 15:45** **PSS Sample ID: 24051413-003**
Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

TCL Volatiles plus Oxygenates

Analytical Method: SW-846 8260 D

Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Cyclohexane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Dibromochloromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,2-Dibromoethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Diisopropyl ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Ethylbenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
2-Hexanone (MBK)	ND	ug/L	5.0		1	05/14/24	05/14/24 15:08	1011
Isopropylbenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Methyl Acetate	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Methylcyclohexane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Methylene chloride	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5.0		1	05/14/24	05/14/24 15:08	1011
Methyl-t-Butyl Ether	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Naphthalene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Styrene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Tetrachloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Toluene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Trichloroethene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011

Certificate of Analysis

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Sample ID: MW-3 **Date/Time Sampled: 05/13/2024 15:45** **PSS Sample ID: 24051413-003**

Matrix: WATER **Date/Time Received: 05/14/2024 12:56**

TCL Volatiles plus Oxygenates

Analytical Method: SW-846 8260 D

Preparation Method: SW5030B

Qualifier(s): See Batch 212704 on Case Narrative.

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Trichlorofluoromethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Vinyl chloride	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
m&p-Xylene	ND	ug/L	2.0		1	05/14/24	05/14/24 15:08	1011
o-Xylene	ND	ug/L	1.0		1	05/14/24	05/14/24 15:08	1011
Surrogate(s)	Recovery		Limits					
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>%</i>	<i>88-120</i>		<i>1</i>	<i>05/14/24</i>	<i>05/14/24 15:08</i>	<i>1011</i>
<i>Dibromofluoromethane</i>	<i>102</i>	<i>%</i>	<i>92-107</i>		<i>1</i>	<i>05/14/24</i>	<i>05/14/24 15:08</i>	<i>1011</i>
<i>Toluene-D8</i>	<i>101</i>	<i>%</i>	<i>95-106</i>		<i>1</i>	<i>05/14/24</i>	<i>05/14/24 15:08</i>	<i>1011</i>

Case Narrative

Project Name: Lee Delauter & Sons

PSS Project No.: 24051413

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

Sample Receipt:

All sample receipt conditions were acceptable.

Analytical:

TCL Volatiles plus Oxygenates

Batch: 212704

Continuing calibration verification standard (CCV) meets method criteria in that more than 80% of analytes are within acceptance limits, see QC summary.

Method exceedance: Laboratory control sample (LCS) exceedances identified; see QC summary.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

Lab Chronology

Project Name: Lee Delauter & Sons
 PSS Project No.: 24051413

Method	PSS Sample ID	Container ID	Analysis Type	Mtx	Prep Batch	Analytical Batch	Prepared	Analyzed
SW-846 8015C DRO	24051413-001	299	Initial	W	100173	212763	05/14/2024 14:03	05/14/2024 17:57
	24051413-002	301	Initial	W	100173	212763	05/14/2024 14:03	05/14/2024 18:22
	24051413-003	303	Initial	W	100173	212763	05/14/2024 14:03	05/14/2024 18:47
	100173-1-BKS		BKS	W	100173	212763	05/14/2024 14:03	05/14/2024 17:08
	100173-1-BLK		BLK	W	100173	212763	05/14/2024 14:03	05/14/2024 16:44
	100173-1-BSD		BSD	W	100173	212763	05/14/2024 14:03	05/14/2024 17:33
	SW-846 8015C GRO	24051413-001	305	Initial	W	100239	212826	05/16/2024 23:39
24051413-002		311	Initial	W	100239	212826	05/16/2024 23:39	05/17/2024 02:37
24051413-003		317	Initial	W	100239	212826	05/16/2024 23:39	05/17/2024 02:59
100239-2-BKS			BKS	W	100239	212826	05/16/2024 23:39	05/17/2024 00:01
100239-2-BLK			BLK	W	100239	212826	05/16/2024 23:39	05/17/2024 01:53
100239-2-BSD			BSD	W	100239	212826	05/16/2024 23:39	05/17/2024 00:23
24051413-001 S		305	MS	W	100239	212826	05/16/2024 23:39	05/17/2024 00:45
24051413-001 SD		305	MSD	W	100239	212826	05/16/2024 23:39	05/17/2024 01:07
SW-846 8260 D	24051413-001	307	Initial	W	100169	212704	05/14/2024 07:13	05/14/2024 14:46
	24051413-002	316	Initial	W	100169	212704	05/14/2024 07:13	05/14/2024 15:29
	24051413-003	320	Initial	W	100169	212704	05/14/2024 07:13	05/14/2024 15:08
	100169-1-BKS		BKS	W	100169	212704	05/14/2024 07:13	05/14/2024 07:13
	100169-1-BLK		BLK	W	100169	212704	05/14/2024 07:13	05/14/2024 08:18
	24051018-002 S	15	MS	W	100169	212704	05/14/2024 07:13	05/14/2024 11:10
	24051018-002 SD	15	MSD	W	100169	212704	05/14/2024 07:13	05/14/2024 11:32

Project Name Lee Delauter & Sons
PSS Project No.: 24051413

Analytical Method: SW-846 8015C DRO

Seq Number: 212763 Matrix: Water Prep Method: SW3510C
Date Prep: 05/14/24
MB Sample ID: 100173-1-BLK LCS Sample ID: 100173-1-BKS LCSD Sample ID: 100173-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	RPD	RPD Limit	Units	Flag
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.7472	75	0.7345	73	63-119	2	21	mg/L	
Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units			
o-Terphenyl	85		76		75		52-100	%			

Analytical Method: SW-846 8015C GRO

Seq Number: 212826 Matrix: Water Prep Method: SW5030B
Date Prep: 05/16/24
MB Sample ID: 100239-2-BLK LCS Sample ID: 100239-2-BKS LCSD Sample ID: 100239-2-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	RPD	RPD Limit	Units	Flag
TPH-GRO (Gasoline Range Organic)	<100	5000	5420	108	5151	103	81-127	5	20	ug/L	
Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units			
a,a,a-Trifluorotoluene	104		125		124		60-135	%			

Analytical Method: SW-846 8015C GRO

Seq Number: 212826 Matrix: Water Prep Method: SW5030B
Date Prep: 05/16/24
Parent Sample ID: 24051413-001 MS Sample ID: 24051413-001 S MSD Sample ID: 24051413-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	RPD	RPD Limit	Units	Flag
TPH-GRO (Gasoline Range Organic)	<100	5000	5378	108	5284	106	66-126	2	25	ug/L	
Surrogate			MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units			
a,a,a-Trifluorotoluene			124		123		60-135	%			

Project Name Lee Delauter & Sons

PSS Project No.: 24051413

Analytical Method: SW-846 8260 D

Seq Number: 212704

Matrix: Water

Prep Method: SW5030B

Date Prep: 05/14/24

MB Sample ID: 100169-1-BLK

LCS Sample ID: 100169-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Flag
Acetone	<5.000	50.00	53.60	107	49-154	ug/L	
tert-Amyl alcohol	<5.000	50.00	81.56	163	31-148	ug/L	H
tert-Amyl ethyl ether	<1.000	50.00	50.06	100	61-125	ug/L	
tert-Amyl methyl ether	<1.000	50.00	54.22	108	72-119	ug/L	
Benzene	<1.000	50.00	52.43	105	76-112	ug/L	
Bromochloromethane	<1.000	50.00	53.84	108	74-119	ug/L	
Bromodichloromethane	<1.000	50.00	55.78	112	78-117	ug/L	
Bromoform	<1.000	50.00	64.28	129	69-123	ug/L	H
Bromomethane	<1.000	50.00	51.51	103	42-118	ug/L	
tert-Butyl alcohol	<5.000	50.00	79.26	159	48-144	ug/L	H
2-Butanone (MEK)	<5.000	50.00	52.27	105	55-136	ug/L	
tert-Butyl ethyl ether	<1.000	50.00	53.75	108	73-116	ug/L	
Carbon Disulfide	<1.000	50.00	52.43	105	80-124	ug/L	
Carbon tetrachloride	<1.000	50.00	55.49	111	77-119	ug/L	
Chlorobenzene	<1.000	50.00	54.18	108	76-114	ug/L	
Chloroethane	<1.000	50.00	56.13	112	61-113	ug/L	
Chloroform	<1.000	50.00	50.52	101	75-113	ug/L	
Chloromethane	<1.000	50.00	39.61	79	41-148	ug/L	
Cyclohexane	<1.000	50.00	53.86	108	76-135	ug/L	
1,2-Dibromo-3-chloropropane	<1.000	50.00	67.12	134	52-131	ug/L	H
Dibromochloromethane	<1.000	50.00	59.49	119	79-121	ug/L	
1,2-Dibromoethane	<1.000	50.00	56.22	112	77-119	ug/L	
1,2-Dichlorobenzene	<1.000	50.00	56.03	112	75-121	ug/L	
1,3-Dichlorobenzene	<1.000	50.00	54.51	109	77-120	ug/L	
Dichlorodifluoromethane	<1.000	50.00	48.85	98	49-122	ug/L	
1,4-Dichlorobenzene	<1.000	50.00	52.81	106	76-118	ug/L	
1,1-Dichloroethane	<1.000	50.00	50.22	100	75-118	ug/L	
1,2-Dichloroethane	<1.000	50.00	52.77	106	72-115	ug/L	
cis-1,2-Dichloroethene	<1.000	50.00	52.49	105	75-119	ug/L	
1,1-Dichloroethene	<1.000	50.00	51.13	102	74-119	ug/L	
1,2-Dichloropropane	<1.000	50.00	53.08	106	76-115	ug/L	
cis-1,3-Dichloropropene	<1.000	50.00	59.55	119	83-122	ug/L	
trans-1,3-Dichloropropene	<1.000	50.00	54.05	108	76-118	ug/L	
trans-1,2-Dichloroethene	<1.000	50.00	51.96	104	73-121	ug/L	
Diisopropyl ether	<1.000	50.00	54.27	109	73-115	ug/L	
Ethylbenzene	<1.000	50.00	56.31	113	78-118	ug/L	
2-Hexanone (MBK)	<5.000	50.00	55.50	111	55-136	ug/L	
Isopropylbenzene	<1.000	50.00	57.38	115	76-126	ug/L	
Methyl Acetate	<1.000	50.00	63.25	127	61-117	ug/L	H
Methylcyclohexane	<1.000	50.00	53.62	107	82-126	ug/L	
Methylene chloride	<1.000	50.00	54.30	109	75-113	ug/L	
4-Methyl-2-Pentanone (MIBK)	<5.000	50.00	57.75	116	57-127	ug/L	
Methyl-t-Butyl Ether	<1.000	50.00	53.58	107	71-114	ug/L	
Naphthalene	<1.000	50.00	56.83	114	60-122	ug/L	
Styrene	<1.000	50.00	58.75	118	81-124	ug/L	
1,1,2,2-Tetrachloroethane	<1.000	50.00	57.89	116	66-123	ug/L	
Tetrachloroethene	<1.000	50.00	52.50	105	76-123	ug/L	
Toluene	<1.000	50.00	53.28	107	77-112	ug/L	
1,2,3-Trichlorobenzene	<1.000	50.00	55.78	112	73-129	ug/L	
1,2,4-Trichlorobenzene	<1.000	50.00	54.25	109	73-130	ug/L	
1,1,1-Trichloroethane	<1.000	50.00	52.04	104	79-118	ug/L	

Project Name Lee Delauter & Sons
PSS Project No.: 24051413

Analytical Method: SW-846 8260 D

Seq Number: 212704

MB Sample ID: 100169-1-BLK

Matrix: Water

LCS Sample ID: 100169-1-BKS

Prep Method: SW5030B

Date Prep: 05/14/24

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Flag
Trichloroethene	<1.000	50.00	52.69	105	77-112	ug/L	
1,1,2-Trichloroethane	<1.000	50.00	55.20	110	75-115	ug/L	
Trichlorofluoromethane	<1.000	50.00	52.49	105	74-125	ug/L	
1,1,2-Trichlorotrifluoroethane	<1.000	50.00	50.96	102	77-123	ug/L	
Vinyl chloride	<1.000	50.00	44.12	88	53-151	ug/L	
m&p-Xylene	<2.000	100	112.1	112	79-121	ug/L	
o-Xylene	<1.000	50.00	56.74	113	78-122	ug/L	
Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	
4-Bromofluorobenzene	109		100		88-120	%	
Dibromofluoromethane	103		100		92-107	%	
Toluene-D8	103		100		95-106	%	

Project Name Lee Delauter & Sons
PSS Project No.: 24051413

Analytical Method: SW-846 8015 C TCLP

Parent Sample Id: ICV-01 Seq Number: 211237
Analyzed Date: 03/19/24 05:33

Parameter	ICV %Rec	Limits	Flag
TPH-DRO (Diesel Range Organics)	104	80-120	
Surrogate		Limits	Flag
o-Terphenyl	112	80-120	

Analytical Method: SW-846 8015C DRO

CCV Sample Id: CCV-F1 Seq Number: 212763
Analyzed Date: 05/14/24 15:54

Parameter	CCV %Rec	Limits	Flag
TPH-DRO (Diesel Range Organics)	104	80-120	
Surrogate		Limits	Flag
o-Terphenyl	101	80-120	

Analytical Method: SW-846 8015C DRO

CCV Sample Id: CCV-F2 Seq Number: 212763
Analyzed Date: 05/14/24 20:25

Parameter	CCV %Rec	Limits	Flag
TPH-DRO (Diesel Range Organics)	92	80-120	
Surrogate		Limits	Flag
o-Terphenyl	87	80-120	

Analytical Method: SW-846 8015C GRO

CCV Sample Id: CCV, GRO-1 Seq Number: 212826
Analyzed Date: 05/16/24 23:39

Parameter	CCV %Rec	Limits	Flag
TPH-GRO (Gasoline Range Organics)	107	80-120	
Surrogate		Limits	Flag
a,a,a-Trifluorotoluene	124	80-120	X

Analytical Method: SW-846 8015C GRO

CCV Sample Id: CCV, GRO-2 Seq Number: 212826
Analyzed Date: 05/17/24 05:11

Parameter	CCV %Rec	Limits	Flag
TPH-GRO (Gasoline Range Organics)	110	80-120	
Surrogate		Limits	Flag
a,a,a-Trifluorotoluene	126	80-120	X

Analytical Method: SW-846 8015C GRO

Parent Sample Id: ICV-01 Seq Number: 210571
Analyzed Date: 02/20/24 19:02

Parameter	ICV %Rec	Limits	Flag
TPH-GRO (Gasoline Range Organics)	101	80-120	
Surrogate		Limits	Flag
a,a,a-Trifluorotoluene	106	80-120	

Analytical Method: SW-846 8260 D

CCV Sample Id: CCV-01 Seq Number: 212704
Analyzed Date: 05/14/24 07:13

Parameter	CCV %Rec	Limits	Flag
Acetone	107	80-120	
tert-Amyl alcohol	163	80-120	X
tert-Amyl ethyl ether	100	80-120	
tert-Amyl methyl ether	108	80-120	
Benzene	105	80-120	
Bromochloromethane	108	80-120	
Bromodichloromethane	112	80-120	
Bromoform	129	80-120	X
Bromomethane	103	80-120	
tert-Butyl alcohol	159	80-120	X
2-Butanone (MEK)	105	80-120	
tert-Butyl ethyl ether	108	80-120	
Carbon Disulfide	105	80-120	
Carbon tetrachloride	111	80-120	

Project Name Lee Delauter & Sons
PSS Project No.: 24051413

Analytical Method: SW-846 8260 D

CCV Sample Id: CCV-01 Seq Number: 212704
Analyzed Date: 05/14/24 07:13

Parameter	CCV %Rec	Limits	Flag
Chlorobenzene	108	80-120	
Chloroethane	112	80-120	
Chloroform	101	80-120	
Chloromethane	79	80-120	X
Cyclohexane	108	80-120	
1,2-Dibromo-3-chloropropane	134	80-120	X
Dibromochloromethane	119	80-120	
1,2-Dibromoethane	112	80-120	
1,2-Dichlorobenzene	112	80-120	
1,3-Dichlorobenzene	109	80-120	
Dichlorodifluoromethane	98	80-120	
1,4-Dichlorobenzene	106	80-120	
1,1-Dichloroethane	100	80-120	
1,2-Dichloroethane	106	80-120	
cis-1,2-Dichloroethene	105	80-120	
1,1-Dichloroethene	102	80-120	
1,2-Dichloropropane	106	80-120	
cis-1,3-Dichloropropene	119	80-120	
trans-1,3-Dichloropropene	108	80-120	
trans-1,2-Dichloroethene	104	80-120	
Diisopropyl ether	109	80-120	
Ethylbenzene	113	80-120	
2-Hexanone (MBK)	111	80-120	
Isopropylbenzene	115	80-120	
Methyl Acetate	127	80-120	X
Methylcyclohexane	107	80-120	
Methylene chloride	109	80-120	
4-Methyl-2-Pentanone (MIBK)	116	80-120	
Methyl-t-Butyl Ether	107	80-120	
Naphthalene	114	80-120	
Styrene	118	80-120	
1,1,2,2-Tetrachloroethane	116	80-120	
Tetrachloroethene	105	80-120	
Toluene	107	80-120	
1,2,3-Trichlorobenzene	112	80-120	
1,2,4-Trichlorobenzene	109	80-120	
1,1,1-Trichloroethane	104	80-120	
Trichloroethene	105	80-120	
1,1,2-Trichloroethane	110	80-120	
Trichlorofluoromethane	105	80-120	
1,1,2-Trichlorotrifluoroethane	102	80-120	
Vinyl chloride	88	80-120	
m&p-Xylene	112	80-120	
o-Xylene	113	80-120	

Surrogate		Limits	Flag
4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	100	80-120	
Toluene-D8	100	80-120	

Project Name Lee Delauter & Sons
PSS Project No.: 24051413

Analytical Method: SW-846 8260 D

Parent Sample Id: ICV-01 Seq Number: 212216
Analyzed Date: 04/26/24 09:32

Parameter	ICV %Rec	Limits	Flag
Acetone	100	70-130	
tert-Amyl alcohol	115	70-130	
tert-Amyl ethyl ether	106	70-130	
tert-Amyl methyl ether	107	70-130	
Benzene	101	70-130	
Bromochloromethane	99	70-130	
Bromodichloromethane	103	70-130	
Bromoform	112	70-130	
Bromomethane	94	70-130	
tert-Butyl alcohol	96	70-130	
2-Butanone (MEK)	98	70-130	
tert-Butyl ethyl ether	106	70-130	
Carbon Disulfide	104	70-130	
Carbon tetrachloride	105	70-130	
Chlorobenzene	101	70-130	
Chloroethane	95	70-130	
Chloroform	97	70-130	
Chloromethane	93	70-130	
Cyclohexane	107	70-130	
1,2-Dibromo-3-chloropropane	122	70-130	
Dibromochloromethane	108	70-130	
1,2-Dibromoethane	105	70-130	
1,2-Dichlorobenzene	108	70-130	
1,3-Dichlorobenzene	108	70-130	
Dichlorodifluoromethane	99	70-130	
1,4-Dichlorobenzene	105	70-130	
1,1-Dichloroethane	100	70-130	
1,2-Dichloroethane	98	70-130	
cis-1,2-Dichloroethene	101	70-130	
1,1-Dichloroethene	99	70-130	
1,2-Dichloropropane	101	70-130	
cis-1,3-Dichloropropene	113	70-130	
trans-1,3-Dichloropropene	102	70-130	
trans-1,2-Dichloroethene	101	70-130	
Diisopropyl ether	105	70-130	
Ethylbenzene	108	70-130	
2-Hexanone (MBK)	106	70-130	
Isopropylbenzene	115	70-130	
Methyl Acetate	97	70-130	
Methylcyclohexane	108	70-130	
Methylene chloride	99	70-130	
4-Methyl-2-Pentanone (MIBK)	107	70-130	
Methyl-t-Butyl Ether	102	70-130	
Naphthalene	117	70-130	
Styrene	112	70-130	
1,1,2,2-Tetrachloroethane	107	70-130	
Tetrachloroethene	103	70-130	
Toluene	101	70-130	
1,2,3-Trichlorobenzene	119	70-130	
1,2,4-Trichlorobenzene	118	70-130	
1,1,1-Trichloroethane	103	70-130	

Project Name Lee Delauter & Sons
PSS Project No.: 24051413

Analytical Method: SW-846 8260 D

Parent Sample Id: ICV-01 Seq Number: 212216
Analyzed Date: 04/26/24 09:32

Parameter	ICV %Rec	Limits	Flag
Trichloroethene	101	70-130	
1,1,2-Trichloroethane	99	70-130	
Trichlorofluoromethane	101	70-130	
1,1,2-Trichlorotrifluoroethane	100	70-130	
Vinyl chloride	93	70-130	
m&p-Xylene	108	70-130	
o-Xylene	107	70-130	
Surrogate		Limits	Flag
4-Bromofluorobenzene	102	70-130	
Dibromofluoromethane	99	70-130	
Toluene-D8	100	70-130	

**PHASE
SEPARATION
SCIENCE**

CHAIN OF CUSTODY FORM

All fields must be completed accurately. Shaded sections for lab use only.

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PSS CLIENT: Triad Engineering , OFFICE LOCATION: Hagerstown				PSS Work Order #: 240501413				PAGE <u>1</u> OF <u>1</u>						
BILL TO (if different): PHONE #: 301-797-6400				Matrix Codes: SW=Surface Water DW=Drinking Water GW=Ground Water WW=Waste Water O=Oil S=Soil SOL=Solid A=Air WI=Wipe										
CONTACT: Patrick Upham EMAIL: pupham@triadeng.com				# OF CONTAINERS	SAMPLE TYPE: C=COMPOSITE G=GRAB	Preservatives Use Codes			Analysis/Method Required			Preservative Codes		
PROJECT NAME: Lee Delauter & Sons PROJECT #: 03-22-0748						1	1	1	1	1	1	1 - HCL	2 - H ₂ SO ₄	3 - HNO ₃
SITE LOCATION: P.O. #:						③	③	③				4 - NaOH	5 - E624KIT	6 - ICE
SAMPLER(S): DW CERT #:												7 - Sodium Thiosulfate	8 - Ascorbic Acid	9 - TerraCore Kit
PROJECT NAME: Lee Delauter & Sons PROJECT #: 03-22-0748														
SITE LOCATION: P.O. #:														
SAMPLER(S): DW CERT #:														
PSS ID	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX Use Codes	# OF CONTAINERS	SAMPLE TYPE: C=COMPOSITE G=GRAB	Preservatives Use Codes	Analysis/Method Required	Preservative Codes					
1	MW-1	5-13-2024	3:00pm	W	8	G		VOLs 8260 inc. Fuel Oxy, Nap						
2	MW-2	5-13-2024	3:30pm	W	8	G		TPH-GRO 8015						
3	MW-3	5-13-2024	3:45pm	W	8	G		TPH-DRO 8015						
Relinquished By: (1) <i>[Signature]</i> Date: <u>5/13/24</u> Time: <u>1750</u> Received By: <i>[Signature]</i>				Requested TAT (One TAT per COC) <input type="checkbox"/> 5-Day <input checked="" type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other				Ice Present: <u>Yes</u> Custody Seal: <u>AKS</u>						
Relinquished By: (2) <i>[Signature]</i> Date: <u>5/14/24</u> Time: <u>1215G</u> Received By: <i>[Signature]</i>				STATE RESULTS REPORTED TO: <input checked="" type="checkbox"/> MD <input type="checkbox"/> DE <input type="checkbox"/> PA <input type="checkbox"/> VA <input type="checkbox"/> WV <input type="checkbox"/> OTHER				# Coolers: <u>1</u> Temp: <u>2.1 - 4.2°C</u> Shipping Carrier: <u>TRK</u>						
Relinquished By: (3)				COMPLIANCE? <input type="checkbox"/> DW <input type="checkbox"/> WW				Special Instructions:						
Relinquished By: (4)				EDD FORMAT TYPE										

This chain of custody is a legal document. The client (PSS Client), by signing, or having client's agent sign, this "Chain of Custody Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.

Sample Receipt Checklist

Project Name: Lee Delauter & Sons
PSS Project No.: 24051413

Client Name Triad Engineering - Hagerstown
Disposal Date 06/18/2024

Received By Tyler Enwright
Date Received 05/14/2024 12:56 PM
Delivered By Trans Time Express
Tracking # Not Applicable
Logged In By Tyler Enwright

Shipping Container(s)

of Coolers 1

Custody Seal(s) Intact? N/A
Seal(s) Signed / Dated? N/A

Ice Present
Temp (°C) 4.2
Temp Blank Present No

Documentation

COC agrees with sample labels? Yes
Chain of Custody Yes

Sampler Name Not Provided
N/A

Sample Container

Appropriate for Specified Analysis? Yes
Intact? Yes
Labeled and Labels Legible? Yes

Custody Seal(s) Intact? Not Applicable
Seal(s) Signed / Dated Not Applicable

Holding Time

All Samples Received Within Holding Time(s)? Yes

Total # of Samples Received 3
Total # of Containers Received 24

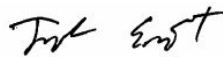
Preservation

Total Metals (pH<2) N/A
Dissolved Metals, filtered within 15 minutes of collection (pH<2) N/A
Orthophosphorus, filtered within 15 minutes of collection N/A
Cyanides (pH>12) N/A
Sulfide (pH>9) N/A
TOC, DOC (field filtered), COD, Phenols (pH<2) N/A
TOX, TKN, NH3, Total Phos (pH<2) N/A
VOC, BTEX (VOA Vials Rcvd Preserved) (pH<2) Yes
Do VOA vials have zero headspace? Yes
624 VOC (Rcvd at least one unpreserved VOA vial) N/A
524 VOC (Rcvd with trip blanks) (pH<2) N/A

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, the sample ID, preservative added, documentation of any client notification, and subsequent client instructions are noted below. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C, and <=4°C for EPA 524. Samples that are received by the lab on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that thermal preservation has begun.

Samples Inspected/Checklist Completed By:



Date: 05/14/2024

Tyler Enwright

PM Review and Approval:



Date: 05/14/2024

Lynn Jackson