2023 Schedule and Outline of Proposed Work

Region 18, Lyme-Old Lyme Middle School

Responses to DEEP Comments to March 10,

Revised 3/24/23

1. Pg. 1, 4th paragraph: *"According to Kropp, a total of 698 gallons of No. 2 heating oil and water was recovered* at that time from the holding tanks and boiler room floor." Initial estimates are that approximately **1,000-gallon** of heating oil was spilled.

DEEP Comment: Please provide DEEP with Veeder Root data to assist with determining final spill volume.

3/17/23 conference call the incident occurred over the weekend in the summer. No daily Veeder Root data is available. Based on reviewing previous weekly data and the volumes after the spill, Kropp calculated that approximately 1,000 gallons of oil was lost.

2. Pg. 1, 5th paragraph: "Visual staining was observed around the manhole indicating the <u>manhole</u> <u>had overflowed</u>. Stained soil around the (holding tank) manhole was subsequently excavated. Approximately <u>90 tons of impacted soil</u> was subsequently disposed of from that excavation around the holding tank. "Confirmatory "soil samples collected by Kropp from the perimeter of that excavation indicated elevated ETPH concentrations in soil ranging from 1,600 to 21,000 mg/kg ETPH in soil approximately six feet below grade."

DEEP Comment: What is the GW-quality in this area? Is there LNAPL present? GW-gradient in this AOC must be calculated and the likely petroleum-based plume must be characterized.

Groundwater Quality from DEEP ECO Maps is GA. This area was further excavated the week of March 19, 2023. Please see additional information below.

Outdoor Investigation/Remediation

We previously proposed additional investigation in the outdoor area around the boiler room floor drain holding tank. However, based on the information we had, we determined that additional soil excavation would be necessary. Therefore, the concrete holding tank was further excavated and eventually removed. Approximately 15-20 tons of additional impacted soil were removed, and post excavation soil samples were collected from the area and submitted to a laboratory. This work was completed on 3-20-23 and the area restored to grade with clean fill. The post-ex soil sample results are expected the week of 3/27/23.

Prior to backfilling the excavation, a 4" diameter well was installed in the northern portion of the excavation as a monitoring point to determine groundwater quality and a 6" diameter "drainage

pipe" was installed vertically in the southern portion of the excavation where additional soil excavation was just performed. This monitoring well will be tested the week of 3/27/23. We anticipate elevated concentrations of petroleum contaminants will be detected and we plan to treat the area with an ORC application though the 6" "well". That area was partially backfilled with $\frac{3}{4}$ " crushed stone to facilitate an ORC application and the entire area was backfilled to grade.

It is our understanding that ORC can be applied in the tank excavation under an approval from CT DEEP Oil and Chemical Spills as part of the immediate spill response. We intend to follow up with a General Permit Application for injection of additional ORC in the boiler room.

The amount of ORC applied in the outdoor excavation will be determined by the contaminant concentrations found in the monitoring well. That well will be tested the week of March 27, 2023. Another advantage of an ORC application in this area is that we believe petroleum that overflowed from the tank is a source of the free product found beneath the boiler room and groundwater flow would be toward the boiler room with the treated plume following the "source" of petroleum beneath the building. The GP we are seeking would be for additional ORC injections/applications through the boiler room floor in the future to mitigate/remediate petroleum beneath the building.

The concrete holding tank was removed and will be disposed of with contaminated soil.

Interior Investigation

Four additional borings were placed inside the boiler room on March 14, 2023. These borings were placed on seams and cracks in the boiler room floor. After removal of the concrete, a plastic vapor barrier was encountered beneath the floor. We completed borings beneath the floor in these locations and screened the soil with a PID. While elevated PID readings were observed in these soil borings, they did not indicate a top down release through the floor. Two soil samples were collected and contained elevated ETPH (range of 5,000 mg/kg each), but examination of the soils did not indicate the soils beneath the cracks and seams was saturated with oil and suggest oil reached the groundwater from another pathway.

PID Readings from these borings are summarized in Table 1.

Pg. 1, 6th paragraph: "Borings performed in the boiler room showed evidence that <u>oil penetrated</u> <u>cracks in the floor</u>. Several of these borings were converted to recovery wells (RW) by the end of September. Monitoring in October and November showed *free product up to 4 to 5 inches in RW-7 and RW-8* (Kropp referred to these wells as MW-7, 8, and 9 in several early correspondences including the Significant Environmental Hazard (SEH) Report subsequently submitted to the CT DEEP). These wells had vac-events performed approximately once every two weeks through January. A total of <u>2,366 gallons of fuel oil and groundwater</u> was "vacuumed" out and disposed of off-site. By January, no free product was detected in these recovery wells. These wells have been

inspected several times since then in February and March 2023 – no free product or sheen was observed in any of these wells."

DEEP Comment: It appears that the 2,366 gallons removed during vac-events wasn't pasted to determine volume of LNAPL vs. dissolved. Please confirm screen intervals for all recovery wells.

As we discussed, no oil/water volumes were reported by Kropp. We believe all recovery wells have approximately 10 feet of screen.

4. Replacement MWs:

DEEP Comment: Were the new MWs surveyed and groundwater elevations measured to determine/confirm groundwater flow direction? Has vertical gradient been calculated at nested MWs?

YES – see revised site plan with our surveyed elevations. These confirm GW flow to the northwest. We are preparing a revied figure with new well locations and groundwater flow contours.

In addition, two off-site monitoring wells were installed on the **property the** week of March 14, 2023. Those wells were developed Week of March 21, 2023 and will be sampled next week, week of March 27, 2023.

5. Off-site Drinking Water Wells:

DEEP Comment: What does "shallow" mean? Shallow dug and/or shallow bedrock? Do we have well construction information for off-site drinking water wells?

In this case "shallow wells" are dug wells, most finished at 20-40' deep and located in 30" diameter reinforced concrete pipes with concrete lids. We have some well completion logs but not all and most are for the drilled wells. Turner has sampled or resampled all but one of the drinking water wells in this area. In addition, we sampled two additional wells not in the original 500' radius. We have some well complete the original 500' radius. We have sampled two additional wells not in the original 500' radius. We have sampled two additional wells not in the original 500' radius. We have sampled two additional wells not in the original 500' radius. We have sampled two additional wells are a sampled to a sampled the "next "property to the northwest.

While some results are still pending, all of the shallow wells closest to the school showed no compounds detected above laboratory detection limits. Those shallow wells have been tested twice with no detections at this point. The last unrepeated well at **a state of the well at the state of the well at the school showed above for the school showed no are peat test of the well at the school showed above for the school showed no are peat test of the well at the school showed above for the school showed no are peat test of the well at the school showed above for the school showed no are peat test of the well at the school showed no are peat test of the well at the school showed no are peat test of t**

27, 2023. Results expected about 7 business days later.

6. Soil Vapor Sampling:

DEEP Comment: One sub-slab soil vapor sample collected for entire plume axis is not adequate to characterize potential soil vapor impacts under the floor. Also, please describe soil vapor sample technique. Soil vapor sample result had some associated disclaimers.

As we discussed the soil vapor sample collected was a 30 minute grab sample. We will install additional soil vapor sampling point in the cafeteria, a location closer to the boiler room, in the basement area adjacent to the boiler room beneath the kitchen and from the boiler room during the week of March 27. Care will be taken to maintain vacuum in the summa canisters during sampling. Again, we propose collecting 30 min grab samples from holes drilled in the floor of the proposed areas. Locations are shown on the attached site plan.

Our revised site plan will include proposed soil vapor sampling locations. This should be available week of March 27, 2023.

7. On-Site Drinking Water Wells:

Pg. 4 6th paragraph: "A previous release of petroleum at the High School in 2011 is a potential source of the PAHs detected in the school Production Well. Additional investigation is necessary to validate this assumption."

DEEP Comment: This statement suggests that complete remediation was not performed for the 2011 spill that generated at SEHN. Please provide additional documentation regarding the degree and extent of that spill and any remedial actions performed to date.

The impacted well Production Well 7 was retested on March 9, 2023 with results reviewed last week. NO PAH CONTAMINANTS were detected in that well or the Point of Entry (POE) samples. It was reported on the 3/17/2023 call that some PAHs were detected, however, those were in a laboratory blank, not in the school DW sample. Some low levels of trihalomethanes were detected in the POE sample from the chlorination process. A copy of the laboratory report for this well is attached.

Based on the available information, including groundwater flow directions, distances and topography of the school complex and location of the drinking water wells northeast of the Middle School release, PAHs previously detected in the schools drinking water are clearly not from the August heating oil release that triggered our current response.

Region 18 is evaluating installation of a carbon treatment unit on impacted Production Well 7.

We have identified another potential source from 1986 Spill/discharge of oil to a High School septic system from a vehicle repair shop. This was in a similar area to the 2011 heating oil UST

spill. The available information is not conclusive of the source of the previous detection of PAHs in the schools Production Wells.



LEGEND



	Drawn:	K. Hazel
ure 2 - Site Plan	Date:	3/25/23
	Scale:	AS SHOWN
t: REGION 18 SCHOOLS	Project:	TE23-007
Old Lyme, Connecticut	Figure:	FIGURE 2

Attachment A:

Interior Boring PID Readings and Soil Sample Results

Region 18 Schools

Interior Sampling 03-14-2023 Boiler Room

TE B-1 Near Boiler Door and Boiler 3 at 45 degree seam

0-4'

4" concrete

Vapor barrier

Petroleum odor in gravel 53.6 ppm PID

- 0.5' bottom of gravel layer34 ppm
- 1′ 87 ppm
- 1.5 ' 117 ppm
- 2.5′ 37 ppm
- 3.0 27 ppm
- 3.5′ 30 ppm
- 4.0 100 ppm

TE B-2 crack in floor between Boilers 1 and 2

0-4'

4' concrete

Vapor barrier

- Top of gravel 21 ppm
- 0.5' 55 ppm
- 1' 96 ppm
- 1.5' 76 ppm
- 2' 250 ppm
- 2.5′ 102 ppm
- 3' 140 ppm
- 3.5' 105 ppm
- 4' 24.5 ppm

TE B-3 near Kropp IS-16

Refusal a 1' Stop attempt – steel pipe??? Associated w clean out? 6" gravel – 30" fine-med, brown SAND

TE-B-4 near floor drain and Krop RW-7

0-4' 36" rec

4" concrete

Vapor barier

Top of gravel 143 ppm

- 1' 50 ppm
- 1.5 150 p pm
- 2' 97 ppm
- 3' 150 ppm
- 4' 212 ppm collect soil sample 3.5-4' for lab analyses ETPH and VOCs
- ETPH = 4,800 mg/kg

TE B-5 near Kropp IS-6 and RW-9

0-4' 36" rec.

4" concrete

Vapor barier

Top of gravel 15 ppm

- 1' 1.5 ppm
- 2' 1.3 ppm
- 3' 27 ppm
- 4' 129 ppm collect soil sample 3.5-4' for lab analyses ETPH and VOCs
- ETPH = 5,500 mg/kg



Technical Report

prepared for:

Turner Environmental, LLC 68 Ridge Hill Rd. Oakdale CT, 06357 Attention: David Turner

Report Date: 03/15/2023 Client Project ID: TE23-007 Region 18 Oil Lyme York Project (SDG) No.: 23C0776

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE www.YORKLAB.com STRATFORD, CT 06615 (203) 325-1371 132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@yorklab.com Report Date: 03/15/2023 Client Project ID: TE23-007 Region 18 Oil Lyme York Project (SDG) No.: 23C0776

> **Turner Environmental, LLC** 68 Ridge Hill Rd. Oakdale CT, 06357 Attention: David Turner

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 14, 2023 and listed below. The project was identified as your project: **TE23-007 Region 18 Oil Lyme**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23C0776-01	TE B-4 3.5-4 Ft	Soil	03/14/2023	03/14/2023
23C0776-02	TE B-5 3.5-4 Ft	Soil	03/14/2023	03/14/2023

General Notes for York Project (SDG) No.: 23C0776

- 1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.

5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.

- 6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
- 7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
- 8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:

Och I most

Date: 03/15/2023

Cassie L. Mosher Laboratory Manager





Client Sample ID: TE B-4 3.5-4 Ft

Client Sample ID:	TE B-4 3.5-4 Ft		York Sample ID:	23C0776-01
York Project (SDG)	Io. <u>Client Project ID</u>	Matrix	Collection Date/Time	Date Received
23C0776	TE23-007 Region 18 Oil Lyme	Soil	March 14, 2023 12:00 pm	03/14/2023

	VOA, 8260 RCP MASTER			Log-in Notes: Sample Notes:							
Sample Prepar	red by Method: EPA 5035A										
CAS N	o. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP	FTR
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 ¥10854,NJDEP,PADEF	03/15/2023 13:45	FTR
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 ¥10854,NJDEP,PADEF	03/15/2023 13:45	FTR
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 ¥10854,NJDEP	03/15/2023 13:45	FTR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 ¥10854,NJDEP,PADEF	03/15/2023 13:45	FTR
95-63-6	1,2,4-Trimethylbenzene	39		mg/kg dry	1.4	500	EPA 8260C		03/15/2023 09:00	03/15/2023 15:04	FTR
							Certifications:	CTDOH-P	H-0723,NELAC-NY10	0854,NJDEP,PADEP	
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
108-67-8	1,3,5-Trimethylbenzene	18		mg/kg dry	0.51	100	EPA 8260C	CTDOH B	03/15/2023 09:00	03/15/2023 13:45	FTR
541-73-1	1.2 Dishlarahangana	ND		ma/ka dry	0.51	100	EPA 8260C	CIDOR-P	03/15/2023 09:00	03/15/2023 13:45	FTP
541-75-1	1,5-Dichlorobenzene	ND		ing/kg ui y	0.51	100	Certifications:	CTDOH-PH	4-0723,NELAC-NY10	854,NJDEP,PADEP	TIK
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y 10854,NJDEP,PADEF	03/15/2023 13:45	FTR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-NY	03/15/2023 09:00 Y10854,NJDEP	03/15/2023 13:45	FTR

STRATFORD, CT 06615 (203) 325-1371

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418 Page 4 of 24 ClientServices@



Client Sample	ID:	TE B-	4 3.5-4 Ft

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23C0776	TE23-007 Region 18 Oil Lyme	Soil	March 14, 2023 12:00 pm	03/14/2023

VOA, 8260 RCP MASTER					Log-III Notes.	<u>Sample Notes:</u>					
Sample Prepa	ared by Method: EPA 5035A										
CAS	No. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND	QL-02	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
591-78-6	2-Hexanone	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
67-64-1	Acetone	ND		mg/kg dry	1.0	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
107-13-1	Acrylonitrile	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
71-43-2	Benzene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
108-86-1	Bromobenzene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 13:45 P	FTR
74-97-5	Bromochloromethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 13:45 P	FTR
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
75-25-2	Bromoform	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
74-83-9	Bromomethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
75-15-0	Carbon disulfide	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
108-90-7	Chlorobenzene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
75-00-3	Chloroethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
67-66-3	Chloroform	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
74-87-3	Chloromethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 13:45 P	FTR
74-95-3	Dibromomethane	ND		mg/kg dry	0.51	100	EPA 8260C	NEL AC N	03/15/2023 09:00	03/15/2023 13:45	FTR

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@ Page 5 of 24

York Sample ID:

23C0776-01



Client Sample ID: TE B-4 3.5-4 Ft

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23C0776	TE23-007 Region 18 Oil Lyme	Soil	March 14, 2023 12:00 pm	03/14/2023

York Sample ID:

23C0776-01

VOA, 8260 RCP MASTERLog-in Notes:Sample Notes:										
Sample Prepare	d by Method: EPA 5035A									
CAS No	. Parameter	Result Flag	Units	Reported to LOQ	Dilution	Referenc	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 (10854,NJDEP,PADEF	03/15/2023 13:45	FTR
100-41-4	Ethyl Benzene	5.6	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 0854,NJDEP,PADEP	FTR
87-68-3	Hexachlorobutadiene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 /10854,NJDEP,PADEF	03/15/2023 13:45	FTR
98-82-8	Isopropylbenzene	3.0	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 0854,NJDEP,PADEP	FTR
80-62-6	Methyl Methacrylate	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 /10854,NJDEP	03/15/2023 13:45	FTR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
75-09-2	Methylene chloride	ND	mg/kg dry	1.0	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
91-20-3	Naphthalene	4.5	mg/kg dry	1.0	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 13:45 P	FTR
104-51-8	n-Butylbenzene	5.9	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723.NELAC-NY10	03/15/2023 13:45	FTR
103-65-1	n-Propylbenzene	8.9	mg/kg dry	0.51	100	EPA 8260C	CTDOH-P	03/15/2023 09:00	03/15/2023 13:45	FTR
95-47-6	o-Xylene	13	mg/kg dry	0.51	100	EPA 8260C	CTDON P	03/15/2023 09:00	03/15/2023 13:45	FTR
179601-23-1	p- & m- Xylenes	29	mg/kg dry	1.0	100	EPA 8260C	CTDOILP	03/15/2023 09:00	03/15/2023 13:45	FTR
99-87-6	p-Isopropyltoluene	2.8	mg/kg dry	0.51	100	EPA 8260C	СТДОН-Р	03/15/2023 09:00	03/15/2023 13:45	FTR
135-98-8	sec-Butylbenzene	4.4	mg/kg dry	0.51	100	Certifications: EPA 8260C	CTDOH-P	H-0723,NELAC-NY10 03/15/2023 09:00	0854,NJDEP,PADEP 03/15/2023 13:45	FTR
100-42-5	Styrene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 I-0723.NELAC-NY10	03/15/2023 13:45 854.NJDEP.PADEP	FTR
98-06-6	tert-Butylbenzene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
127-18-4	Tetrachloroethylene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
109-99-9	Tetrahydrofuran	ND	mg/kg dry	1.0	100	EPA 8260C Certifications:		03/15/2023 09:00	03/15/2023 13:45	FTR
108-88-3	Toluene	1.7	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 0854,NJDEP,PADEP	FTR
156-60-5	trans-1,2-Dichloroethylene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
10061-02-6	trans-1,3-Dichloropropylene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
110-57-6	trans-1,4-dichloro-2-butene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:		03/15/2023 09:00	03/15/2023 13:45	FTR
79-01-6	Trichloroethylene	ND	mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 854,NJDEP,PADEP	FTR
120 RES	EARCH DRIVE	STRATFORD, CT 06615		132	-02 89th A	VENUE	-	RICHMOND HILI	L, NY 11418	
www.YO	RKLAB.com	(203) 325-1371		FAX	K (203) 35	7-0166	(ClientServices@	Page 6	of 24



<u>Client Sa</u>	ample ID: TE B-4 3.5-4 Ft			-					<u>York Sample</u>	<u>e ID:</u> 230	C0776-01
York Pro	ject (SDG) No.	<u>Client</u>	Project I	<u>D</u>		Ma	atrix	Colle	ction Date/Time	Date	e Received
	23C0776	TE23-007 Re	gion 18 C	Dil Lyme		S	601l	March 1	4, 2023 12:00 p	om (03/14/2023
<u>VOA, 82</u>	60 RCP MASTER				Log-in Notes:		<u>Sam</u>	ple Note	<u>es:</u>		
Sample Prepa	ared by Method: EPA 5035A										
CAS N	No. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 0854,NJDEP,PADEP	FTR
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.51	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 13:45 0854,NJDEP,PADEP	FTR
	Surrogate Recoveries	Result		Acce	ptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.8 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	94.7 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %			70-130						
<u>Extracta</u>	ble Total Petroleum Hydrocarbo	ons (ETPH)			<u>Log-in Notes:</u>		<u>Sam</u>	ple Note	<u>es:</u>		
Sample Prepa	ared by Method: EPA 3546 ETPH										
CAS N	No. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	ETPH (Extractable Total Petroleum Hydrocarbons)	4880		mg/kg dry	4230	100	CT DEP ETPH Certifications:	CTDOH-P	03/14/2023 21:16 PH-0723	03/15/2023 11:41	GXB
	Surrogate Recoveries	Result		Acce	ptance Range						
3386-33-2	Surrogate: 1-Chlorooctadecane	51.9 %			50-150						
<u>Total Sol</u>	lids				Log-in Notes:		<u>Sam</u>	ple Note	<u>es:</u>		
Sample Prepa	ared by Method: % Solids Prep								D (//T)		
CAS N	No. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	90.1		%	0.100	1	SM 2540G Certifications:	CTDOH-P	03/15/2023 07:49 PH-0723	03/15/2023 14:56	TAJ
				Sampla	Information						
<u>Client Sa</u>	ample ID: TE B-5 3.5-4 Ft			Sample	mation				York Sample	<u>e ID:</u> 230	C0776-02
York Pro	ject (SDG) No.	Client	Project I	D		Ma	<u>atrix</u>	Colle	ction Date/Time	Date	e Received
	23C0776	TE23-007 Re	egion 18 C	Dil Lyme		S	loil	March 1	4, 2023 12:30 p	om (03/14/2023
<u>VOA, 82</u>	60 RCP MASTER				<u>Log-in Notes:</u>		<u>Sam</u>	<u>ple Note</u>	<u>es:</u> VOA-WT		
Sample Prepa	ured by Method: EPA 5035A				Reported to				Date/Time	Date/Time	
CAS N	No. Parameter	Result	Flag	Units	ĹOQ	Dilution	Reference	Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR

132-02 89th AVENUE

FAX (203) 357-0166

120 RESEARCH DRIVE

www.YORKLAB.com

STRATFORD, CT 06615

(203) 325-1371

RICHMOND HILL, NY 11418

ClientServices@

Page 7 of 24



Client Sam	ple ID:	TE B-5	3.5-4 Ft

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23C0776	TE23-007 Region 18 Oil Lyme	Soil	March 14, 2023 12:30 pm	03/14/2023

VOA, 826	O RCP MASTER				<u>Log-in Notes:</u>		<u>Sam</u>	ple Note	es: VOA-WT		
Sample Prepare	ed by Method: EPA 5035A										
CAS N	o. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP	FTR
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP	03/15/2023 14:11	FTR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
95-63-6	1,2,4-Trimethylbenzene	32		mg/kg dry	1.5	500	EPA 8260C	CTDOH I	03/15/2023 09:00	03/15/2023 15:30	FTR
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723.NELAC-NY10	03/15/2023 14:11 0854.NJDEP.PADEP	FTR
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
108-67-8	1,3,5-Trimethylbenzene	19		mg/kg dry	0.55	100	EPA 8260C	CTDOU	03/15/2023 09:00	03/15/2023 14:11	FTR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.55	100	EPA 8260C	CTDOUR	03/15/2023 09:00	03/15/2023 14:11	FTR
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.55	100	EPA 8260C	NELAC N	03/15/2023 09:00	03/15/2023 14:11	FTR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.55	100	EPA 8260C	CTDOH P	03/15/2023 09:00	03/15/2023 14:11	FTR
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.55	100	EPA 8260C	NELACN	03/15/2023 09:00	03/15/2023 14:11	FTR
78-93-3	2-Butanone	ND	QL-02	mg/kg dry	0.55	100	EPA 8260C	CTDOIL.P	03/15/2023 09:00	03/15/2023 14:11)854 NIDEP PADEP	FTR
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
120 RES	SEARCH DRIVE	STRATFORD, C	T 06615		132	2-02 89th A	AVENUE		RICHMOND HIL	L, NY 11418	

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@ Page 8

York Sample ID:

23C0776-02

Page 8 of 24



|--|

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23C0776	TE23-007 Region 18 Oil Lyme	Soil	March 14, 2023 12:30 pm	03/14/2023

VOA, 826	0 RCP MASTER				<u>Log-in Notes:</u>		Sam	ple Note	<u>es:</u> VOA-WT		
Sample Prepare	ed by Method: EPA 5035A										
CAS N	o. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
67-64-1	Acetone	ND		mg/kg dry	1.1	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
107-13-1	Acrylonitrile	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
71-43-2	Benzene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
108-86-1	Bromobenzene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
74-97-5	Bromochloromethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
75-25-2	Bromoform	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
74-83-9	Bromomethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
75-15-0	Carbon disulfide	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
108-90-7	Chlorobenzene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
75-00-3	Chloroethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
67-66-3	Chloroform	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
74-87-3	Chloromethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PI	03/15/2023 09:00 H-0723,NELAC-NY10	03/15/2023 14:11 0854,NJDEP,PADEP	FTR
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
74-95-3	Dibromomethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-N	03/15/2023 09:00 Y10854,NJDEP,PADE	03/15/2023 14:11 P	FTR
100-41-4	Ethyl Benzene	1.0		mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-P	03/15/2023 09:00 H-0723,NELAC-NY1	03/15/2023 14:11 0854,NJDEP,PADEP	FTR

120 RESEARCH DRIVE www.YORKLAB.com

STRATFORD, CT 06615 (203) 325-1371

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418 ClientServices@

York Sample ID:

23C0776-02

Page 9 of 24



Client Sample ID: TE B-5 3.5-4 Ft

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23C0776	TE23-007 Region 18 Oil Lyme	Soil	March 14, 2023 12:30 pm	03/14/2023

York Sample ID:

23C0776-02

<u>VOA, 826</u>	0 RCP MASTER		Log-in Notes: Sample Notes: VOA-W1							
Sample Prepare	ed by Method: EPA 5035A									
CAS N	o. Parameter	Result Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-NY	03/15/2023 09:00 10854,NJDEP,PADEP	03/15/2023 14:11	FTR
98-82-8	Isopropylbenzene	2.7	mg/kg dry	0.55	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
						Certifications:	CTDOH-PI	H-0723,NELAC-NY10	854,NJDEP,PADEP	
80-62-6	Methyl Methacrylate	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	NELAC-NY	03/15/2023 09:00 710854,NJDEP	03/15/2023 14:11	FTR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY108	03/15/2023 14:11 354,NJDEP,PADEP	FTR
75-09-2	Methylene chloride	ND	mg/kg dry	1.1	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY108	03/15/2023 14:11 354,NJDEP,PADEP	FTR
91-20-3	Naphthalene	3.0	mg/kg dry	1.1	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
						Certifications:	NELAC-N	Y10854,NJDEP,PADE	>	
104-51-8	n-Butylbenzene	5.6	mg/kg dry	0.55	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
	•					Certifications:	CTDOH-P	H-0723,NELAC-NY10	854,NJDEP,PADEP	
103-65-1	n-Propylbenzene	7.4	mg/kg dry	0.55	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
						Certifications:	CTDOH-P	H-0723,NELAC-NY10	854,NJDEP,PADEP	
95-47-6	o-Xylene	10	mg/kg dry	0.55	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
	·	10	00,			Certifications:	CTDOH-P	H-0723,NELAC-NY10	854,PADEP	
179601-23-1	p- & m- Xylenes	15	mg/kg dry	1.1	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
	1	10	00,		100	Certifications:	CTDOH-P	H-0723,NELAC-NY10	854,PADEP	
99-87-6	p-Isopropyltoluene	12	mø/kø drv	0.55	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
	r or runner	1.2		0.00	100	Certifications:	CTDOH-P	H-0723,NELAC-NY10	854,NJDEP,PADEP	
135-98-8	sec-Butylbenzene	48	mg/kg drv	0.55	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
		1.0		0.00	100	Certifications:	CTDOH-P	H-0723,NELAC-NY10	854,NJDEP,PADEP	
100-42-5	Styrene	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 -0723,NELAC-NY108	03/15/2023 14:11 54,NJDEP,PADEP	FTR
98-06-6	tert-Butylbenzene	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00	03/15/2023 14:11 54.NJDEP.PADEP	FTR
127-18-4	Tetrachloroethylene	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00	03/15/2023 14:11 54.NJDEP.PADEP	FTR
109-99-9	Tetrahydrofuran	ND	mg/kg dry	1.1	100	EPA 8260C Certifications:		03/15/2023 09:00	03/15/2023 14:11	FTR
108-88-3	Toluene	ND	mg/kg dry	0.55	100	EPA 8260C	CTDOH-PH	03/15/2023 09:00	03/15/2023 14:11	FTR
156-60-5	trans-1,2-Dichloroethylene	ND	mg/kg dry	0.55	100	EPA 8260C	CTDOH PH	03/15/2023 09:00	03/15/2023 14:11	FTR
10061-02-6	trans-1,3-Dichloropropylene	ND	mg/kg dry	0.55	100	EPA 8260C	CTDOH-PE	03/15/2023 09:00	03/15/2023 14:11	FTR
110-57-6	trans-1,4-dichloro-2-butene	ND	mg/kg dry	0.55	100	EPA 8260C	0120111	03/15/2023 09:00	03/15/2023 14:11	FTR
79-01-6	Trichloroethylene	ND	mg/kg dry	0.55	100	EPA 8260C		03/15/2023 09:00	03/15/2023 14:11	FTR
						Certifications:	CTDOH-PH	I-0723,NELAC-NY108	54,NJDEP,PADEP	
75-69-4	Trichlorofluoromethane	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY108	03/15/2023 14:11 854,NJDEP,PADEP	FTR
75-01-4	Vinyl Chloride	ND	mg/kg dry	0.55	100	EPA 8260C Certifications:	CTDOH-PH	03/15/2023 09:00 I-0723,NELAC-NY108	03/15/2023 14:11 54,NJDEP,PADEP	FTR
120 RES	EARCH DRIVE	STRATFORD, CT 06615		132	-02 89th A	VENUE	F		., NY 11418	
www.YC	RKLAB.com	(203) 325-1371		FAX	(203) 35 ⁻	7-0166	C	ClientServices@	Page 10	of 24



Client Sample ID: TE B-5 3.5	i-4 Ft		York Sample ID:	23C0776-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23C0776	TE23-007 Region 18 Oil Lyme	Soil	March 14, 2023 12:30 pm	03/14/2023

<u>VOA, 820</u>	60 RCP MASTER		Log-in Notes:			Sample Notes				
Sample Prepar	red by Method: EPA 5035A									
CAS N	o. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result		Acceptance Ra	nge					
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.3 %		70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	93.8 %		70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	122 %		70-130						

Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3546 ETPH

CAS No). Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Met	Date/Time hod Prepared	Date/Time Analyzed	Analyst
СТ ЕТРН	ETPH (Extractable Total Petroleum Hydrocarbons)	5500		mg/kg dry	4140	100	CT DEP ETPH Certifications: CTI	03/14/2023 21:16 DOH-PH-0723	03/15/2023 12:19	GXB
	Surrogate Recoveries	Result		Acceptanc	e Range					
3386-33-2	Surrogate: 1-Chlorooctadecane	51.3 %		50-1	50					

Log-in Notes:

Sample Notes:

Certifications:

CTDOH-PH-0723

<u>Total So</u>	lids					Log-in Notes:		<u>Sample Note</u>	<u>s:</u>		
Sample Prep	ared by Method: % S	Solids Prep									
CAS	No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids		91.1		%	0.100	1	SM 2540G	03/15/2023 07:49	03/15/2023 14:56	TAJ





Analytical Batch Summary

Batch ID: BC30959	Preparation Method:	EPA 3546 ETPH	Prepared By:	NF
YORK Sample ID	Client Sample ID	Preparation Date		
23C0776-01	TE B-4 3.5-4 Ft	03/14/23		
23C0776-02	TE B-5 3.5-4 Ft	03/14/23		
BC30959-BLK1	Blank	03/14/23		
BC30959-BS1	LCS	03/14/23		
Batch ID: BC30981	Preparation Method:	% Solids Prep	Prepared By:	sgs
YORK Sample ID	Client Sample ID	Preparation Date		
23C0776-01	TE B-4 3.5-4 Ft	03/15/23		
23C0776-02	TE B-5 3.5-4 Ft	03/15/23		
BC30981-DUP1	Duplicate	03/15/23		
Batch ID: BC30995	Preparation Method:	EPA 5035A	Prepared By:	BMT
YORK Sample ID	Client Sample ID	Preparation Date		
23C0776-01	TE B-4 3.5-4 Ft	03/15/23		
23C0776-01RE1	TE B-4 3.5-4 Ft	03/15/23		
23C0776-02	TE B-5 3.5-4 Ft	03/15/23		
23C0776-02RE1	TE B-5 3.5-4 Ft	03/15/23		
BC30995-BLK1	Blank	03/15/23		
BC30995-BLK2	Blank	03/15/23		
BC30995-BS1	LCS	03/15/23		
BC30995-BSD1	LCS Dup	03/15/23		



York Analytical Laboratories, Inc. - Stratford

										RbD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
								5			J
Batch BC30995 - EPA 5035A											
Blank (BC30995-BLK1)							Prepa	ared & Analy	zed: 03/15/2	2023	
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
1 1,7		0.0050									

120 RESEARCH DRIVE www.YORKLAB.com STRATFORD, CT 06615 (203) 325-1371 RICHMOND HILL, NY 11418 ClientServices@ Page 13 of 24



York Analytical Laboratories, Inc. - Stratford

		Reporting		Spike	Source*		%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	Flag	RPD	Limit	Flag
Batch BC30995 - EPA 5035A											
Blank (BC30995-BLK1)							Prepa	ared & Analy	/zed: 03/15/2	2023	
Methyl Methacrylate	ND	0.0050	mg/kg wet								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-lsopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050									
styrene tert Dutulhangana	ND	0.0050									
Tetrachloroethylene	ND	0.0050									
Tetrahydrofuran	ND	0.0030									
Toluene	ND	0.010									
trans-1.2-Dichloroethylene	ND	0.0050									
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050									
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	49.8		ug/L	50.0		99.6	70-130				
Surrogate: SURR: Toluene-d8	47.0		"	50.0		93.9	70-130				
Surrogate: SURR: p-Bromofluorobenzene	53.5		"	50.0		107	70-130				
Blank (BC30995-BLK2)							Prep	ared & Analy	zed: 03/15/2	2023	
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1.2.5-Inchoropenzene	ND	0.50									
1 2 4-Trimethylbenzene	ND	0.50									
1.2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50									
2-Chlorotoluene	ND	0.50	"								
120 RESEARCH DRIVE	STRATFORD, CT	06615		13	2-02 89th A	/ENUE	F	RICHMOND	HILL, NY ²	11418	
www.YORKLAB.com	(203) 325-1371			FA	X (203) 357	-0166	C	lientService	es@ Pa	age 14	of 24
					· · · · · · · · · · · · · · · · · · ·						



York Analytical Laboratories, Inc. - Stratford

		Reporting		Spike	Source*		%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	Flag	RPD	Limit	Flag
Batch BC30995 - EPA 5035A											
Blank (BC30995-BLK2)							Prep	ared & Analy	/zed: 03/15/	2023	
2-Hexanone	ND	0.50	mg/kg wet					-			
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl Methacrylate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50									
o-Xylene	ND	0.50									
p- & m- Xylenes	ND	1.0									
p-isopropyitoluene	ND	0.50									
sec-Butylbenzene	ND	0.50									
styrene tort Butulhangana	ND	0.50									
Tetra al long athyland	ND	0.50									
Tetrachioroethylene	ND	0.50									
Teluere	ND	1.0									
trans 1.2 Dichloroethylene	ND	0.50									
trans 1.3 Dichloropropylene	ND	0.50									
trans-1,Diemotopiopytene		0.50									
Trichloroethylene		0.50									
Trichlorofluoromethane		0.50									
Vinyl Chloride	ND	0.50									
Surrogate: SURR: 1 2-Dichloroethane-d4	40.4	0.50	$u\sigma/I$	50.0		98.0	70-130				
Surrogate: SURR: 1,2-Dichloroenane-u4 Surrogate: SURR: Toluene-d8	47.7		и <u>д</u> /L "	50.0		95 5	70-130				
Surrogate: SURR: n-Bromofluorobenzene	52.3		"	50.0		105	70-130				
Surrogate. Sorth. p-bromojnorobenzene	54.5			50.0		105	/0-150				

120 RESEARCH DRIVE www.YORKLAB.com STRATFORD, CT 06615 (203) 325-1371 132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@ Page 15 of 24



York Analytical Laboratories, Inc. - Stratford

	1	Reporting	Spike	Source*		%REC			RPD	
Analyte	Result	Limit Units	Level	Result	%REC	Limits	Flag	RPD	Limit	Flag
Batch BC30995 - EPA 5035A										
LCS (BC30995-BS1)						Pre	pared & Analyzed	: 03/15/202	23	
1,1,1,2-Tetrachloroethane	45.2	ug/L	50.0		90.3	70-130				
1,1,1-Trichloroethane	50.1	"	50.0		100	70-130				
1,1,2,2-Tetrachloroethane	47.0	"	50.0		94.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	51.1	"	50.0		102	70-130				
113)										
1,1,2-Trichloroethane	46.1	"	50.0		92.2	70-130				
1,1-Dichloroethane	49.2	"	50.0		98.4	70-130				
1,1-Dichloroethylene	51.8	"	50.0		104	70-130				
1,1-Dichloropropylene	50.0	"	50.0		100	70-130				
1,2,3-Trichlorobenzene	44.1	"	50.0		88.3	70-130				
1,2,3-Trichloropropane	46.3	"	50.0		92.6	70-130				
1,2,4-Trichlorobenzene	45.2	"	50.0		90.4	70-130				
1,2,4-Trimethylbenzene	46.3	"	50.0		92.5	70-130				
1,2-Dibromo-3-chloropropane	44.3	"	50.0		88.6	70-130				
1,2-Dibromoethane	47.8	"	50.0		95.6	70-130				
1,2-Dichlorobenzene	46.8	"	50.0		93.7	70-130				
1,2-Dichloroethane	53.1	"	50.0		106	70-130				
1,2-Dichloropropane	48.4	"	50.0		96.8	70-130				
1,3,5-Trimethylbenzene	46.4	"	50.0		92.7	70-130				
1,3-Dichlorobenzene	45.0	"	50.0		90.1	70-130				
1,3-Dichloropropane	46.7	"	50.0		93.4	70-130				
1,4-Dichlorobenzene	45.0	"	50.0		90.0	70-130				
2,2-Dichloropropane	52.4	"	50.0		105	70-130				
2-Butanone	48.2	"	50.0		96.4	70-130				
2-Chlorotoluene	47.9	"	50.0		95.8	70-130				
2-Hexanone	42.8	"	50.0		85.5	70-130				
4-Chlorotoluene	47.0	"	50.0		93.9	70-130				
4-Methyl-2-pentanone	46.5	"	50.0		93.0	70-130				
Acetone	36.9	"	50.0		73.8	70-130				
Acrylonitrile	51.2	"	50.0		102	70-130				
Benzene	51.3	"	50.0		103	70-130				
Bromobenzene	46.8	"	50.0		93.6	70-130				
Bromochloromethane	53.8	"	50.0		108	70-130				
Bromodichloromethane	46.6	"	50.0		93.3	70-130				
Bromoform	47.5	"	50.0		95.1	70-130				
Bromomethane	43.7	"	50.0		87.4	70-130				
Carbon disulfide	51.7	"	50.0		103	70-130				
Carbon tetrachloride	53.4	"	50.0		107	70-130				
Chlorobenzene	49.6	"	50.0		99.1	70-130				
Chloroethane	51.6	"	50.0		103	70-130				
Chloroform	51.0	"	50.0		102	70-130				
Chloromethane	42.6	"	50.0		85.3	70-130				
cis-1,2-Dichloroethylene	51.7	"	50.0		103	70-130				
cis-1,3-Dichloropropylene	45.8	"	50.0		91.6	70-130				
Dibromochloromethane	48.2	"	50.0		96.4	70-130				
Dibromomethane	45.8	"	50.0		91.7	70-130				
Dichlorodifluoromethane	35.2	"	50.0		70.4	70-130				
Ethyl Benzene	47.3	"	50.0		94.7	70-130				
Hexachlorobutadiene	43.7	"	50.0		87.3	70-130				
Isopropylbenzene	46.8	"	50.0		93.6	70-130				
Methyl Methacrylate	45.3	"	50.0		90.6	70-130				
120 RESEARCH DRIVE	STRATFORD, CT 066	15 🔳	13	2-02 89th AV	ENUE		RICHMOND HIL	L, NY 11	418	
www.YORKLAB.com	(203) 325-1371		FA	X (203) 357-	0166		ClientServices@	Pag	je 16	of 24



York Analytical Laboratories, Inc. - Stratford

bashy Result Limit Unix Live Result State Linit Page R/P Live Page Batch Hill 500 102 78-130<			Reporting	Snike	Source*		%REC			RPD	
Acta BC3095 EPA 5035 Proposi & Auniyesi: 0.15/2023 LCS (C2095 AS1) 91.0 0.0 0.0 0.7.14 Moliy farsheri (dr.WHB) 50.0 92.2 70-134 Moliy farsheri (dr.WHB) 50.0 94.2 70-134 Buly Inhumans 47.1 50.0 94.2 70-134 Buly Inhumans 47.1 50.0 94.5 70-134 Wijking 45.5 100 94.5 70-134 Paleprophylinkans 46.5 60.0 90.4 70-134 String Markans 46.5 60.0 90.4 70-134 String Markans 46.5 60.0 90.4 70-134 String Markans 45.0 60.0 90.4 70-134 Termaformaly Base 45.0 90.0 90.7 70-144 Termaformaly Base 45.0 90.0 90.7 70-144 Termaformaly Base 45.0 90.0 90.7 70-144 Termaformaly Base 45.0 90.0 90.7 70-144 <th>Analyte</th> <th>Result</th> <th>Limit Units</th> <th>Level</th> <th>Result</th> <th>%REC</th> <th>Limits</th> <th>Flag</th> <th>RPD</th> <th>Limit</th> <th>Flag</th>	Analyte	Result	Limit Units	Level	Result	%REC	Limits	Flag	RPD	Limit	Flag
Paper 4 Autyoet 001 152001 Maby iner donage data (MTIB) 0.0 0.0 70-10 Nethinks 4.51 0.0 0.02 70-10 Nethinks 4.51 0.0 0.02 70-10 Introduction 4.61 0.0 0.02 70-10 Introduction 4.61 0.0 0.01 0.01 0.01 All problemant 4.61 0.00 0.01 0.01 0.01 0.01 Propregnationant 4.65 0.00 0.01 <th< td=""><td>Batch BC30995 - EPA 5035A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Batch BC30995 - EPA 5035A										
Mady end Soli spl. Soli	LCS (BC30995-BS1)						Pre	pared & Analy	zed: 03/15/	2023	
Methylene handle 1.0 - 50.0 102 70.10 Methylenkane 47.1 - 50.0 94.3 70.10 e-Riyllonkane 47.1 - 50.0 94.3 70.10 e-Nylon 47.3 - 50.0 94.7 70.10 e-Nylone 46.5 - 50.0 94.7 70.10 piopopolikane 46.7 - 50.0 94.7 70.10 Symm 45.0 - 50.0 90.1 70.130 Symm handlesse 46.7 - 50.0 90.1 70.130 Tennshenghene 45.7 - 50.0 90.4 70.130 Tennshenghene 45.3 - 50.0 90.4 70.130 Tennshenghene 45.3 - 50.0 90.3 70.130 Tennshenghene 45.3 - 50.0 90.7 70.130 Tennshenghene 45.3 - 50.0 90.7 70.130	Methyl tert-butyl ether (MTBE)	50.9	ug/L	50.0		102	70-130				
Naphalanies 4.1.1 5.00 9.2.2 70.139 uebrylbaczos 4.7.1 5.00 9.3.5 70.139 uebrylbaczos 4.7.3 5.00 9.3.5 70.139 y-Am. Xykan 9.4.3 100 9.4.5 70.139 y-Am. Xykan 9.4.5 50.0 9.3.0 70.139 y-Am. Xykan 9.4.5 50.0 9.3.0 70.139 sex-Buryhbarone 4.6.7 50.0 9.3.0 70.139 ternalshoedykerne 4.6.3 50.0 9.3.0 70.130 ternalshoedykerne 4.6.3 50.0 70.130 10.130 ternalshoedykerne 4.6.3 50.0 70.130 10.130 10.130 ternalshoedykerne 4.6.4 50.0 70.130 10.130 10.13	Methylene chloride	51.0		50.0		102	70-130				
n hasheneame 47.1 * 500 40.3 70.30 eXylan expositence texpositence eXylan expositence eXylan expositence eXylan expositence 4.5.7 * 50.0 40.7 70.30 For XV expositence 4.5.7 * 50.0 40.4 70.30 50.0 40.5 70.30 50.0 40.1 70.30 50.0 40.0 40.1 70.30 50.0 40.0 40.0 40.0 40.0 40.0 40.0 40.0	Naphthalene	45.1	"	50.0		90.2	70-130				
n Progression 4,77 * 500 9,75 7,730 p-An X-Stass 9,45 * 100 9,45 7,730 p-An X-Stass 9,45 * 100 9,45 7,730 p-An X-Stass 9,45 * 500 9,04 7,5030 see-Barly Brance 46,5 * 500 9,04 7,5030 Transhowshylena 10,2 Actioneously 10,10 Transhowshylena 10,2 Actioneously 10,10 Transhowshylena 10,10 Transhowshue 10,10 Transho	n-Butylbenzene	47.1	"	50.0		94.3	70-130				
σ-Xbas 47.3 • 50.0 47.7 70.130 p-loopsycholme 45.5 • 50.0 50.130 - Soverage 45.6 • 50.0 50.130 - Sovera 45.0 • 50.0 50.130 - - Sovera 45.0 • 50.0 75.7 70.130 Transhordsorbykee 36.3 • 50.0 70.30 - - Tataskoodsorbykee 51.3 • 50.0 70.30 - - - Tataskoodsorbykee 45.2 • 50.0 40.3 70.130 - - Tatakhordsorbykee 46.3 • 50.0 40.3 70.130 - - Tatakhordsorbykee 46.0 • 50.0 40.7 70.10 - Stargattr. SUR: / J. Dubkorendwater 30.4 • 90.0 42.7 70.10 Stargattr. SUR: / J. Dubkorendwater 50.1 90.0 40.7 </td <td>n-Propylbenzene</td> <td>46.7</td> <td>"</td> <td>50.0</td> <td></td> <td>93.5</td> <td>70-130</td> <td></td> <td></td> <td></td> <td></td>	n-Propylbenzene	46.7	"	50.0		93.5	70-130				
p 4. m X klass 9.4.5 • 100 94.5 70130 p-4. m X klass 9.4.5 • 500 93.4 70130 p-4. m X klass 9.4.5 • 500 93.4 70130 tar Baykhazara 46.7 • 500 93.9 70130 tar Baykhazara 46.9 • 500 93.9 70130 Transhorothylone 35.7 • 500 77.5 70130 Transhorothylone 45.2 • 500 90.4 70130 Transhorothylone 45.2 • 500 93.9 70130 tar Baykhazara 45.9 • 500 94.2 70130 tar Baykhazara 45.9 • 500 94.4 70130 tar Baykhazara 45.4 • 500 94.7 70130 tar Baykhazara 45.4 •	o-Xylene	47.3	"	50.0		94.7	70-130				
pi Ageographichance 46.5 • 500 93.4 70-130 Stresse-BaryNoncos 46.7 • 500 93.4 70-130 Stresse-BaryNoncos 500 93.9 70-130 Translandowskylac 38.7 • 500 93.0 70-130 Translandowskylac 45.2 • 500 93.0 70-130 Translandowskylac 46.5 • 500 93.0 70-130 Translandowskylac 46.5 • 500 93.0 70-130 Translandowskylac 46.5 • 500 93.0 70-130 Translandowskylac 46.0 • 500 93.0 70-130 Translandowskylac 46.0 • 500 93.0 70-130 Translandowskylac 46.0 • 500 93.7 70-130 Translandowskylac 46.9 • 500 93.7 70-130 Translandowskylac 47.1 • 50.0 94.7 70-130 Translandowskylac 47.1 • 50.0 104 70-130 Translandowskylac 48.3 • 50.0 94.7 70-110 3.77 30 Translandowskylac 48.3 • 50.0 94.7 70-110 4.78 30 Translandowskylac 48.8 • 50.0 94.7 70-110 4.78 30	p- & m- Xylenes	94.5	"	100		94.5	70-130				
sex-BaryBarance 46,7 • 50,0 9,34 70-10 twn-BaryBarance 46,9 • 50,0 9,39 70-10 TranshoredNytere 31,7 • 50,0 9,39 70-10 TranshoredNytere 31,3 • 50,0 9,30 70-10 TranshoredNytere 31,3 • 50,0 9,30 70-10 TranshoredNytere 46,5 • 50,0 9,37 70-10 TranshoredNytere 46,9 • 50,0 9,77 70-10 TransforedNate 47,2 ug/L 50,0 9,44 70-110 5,77 30 1,1,1,2-Transhorednate 47,2 ug/L 50,0 9,44 70-110 5,77 30 1,1,2-Transhorednate 48,3 • 50,0 104 70-110 5,77 30 1,1,2-Transhorednate 48,3 • 50,0 104 70-110 5,77 30 1,1,2-Transhorednate 48,0 • 50,0 9,66 70-110 5,77 30 1,1,2-Transhorednate 11,3 • 50,0 104 70-110 4,74 30 1,1,2-Transhorednate 48,0 • 50,0 9,66 70-110 2,27 10 1,1,2-Transhorednate 48,0 • 50,0 9,66 70-110 2,26 10 1,1,2-Transhorednate 48,0 • 50,0 9,67 70-110 4,41 30 1,2-Transhorednate 48,0 • 50,0 9,67 70-110 4,41 30 1,2-Transhorednate 48,0 • 50,0 9,67 70-110 4,41 30 1,2-Transhorednate 48,0 • 50,0 9,72 70-110 4,44 30 1,2-Transhorednate 48,0 • 50,0 9,72 70-110 4,44 30 1,2-Transhorednate 44,4 • 50,0 9,72 70-110 4,44 30 1,2-Transhorednate 44,4 • 50,0 9,72 70-110 4,53 30 1,2-Debnotence 44,8 • 50,0 9,72 70-110 4,53 30 1,2-Deb	p-Isopropyltoluene	46.5	"	50.0		93.0	70-130				
Syrac 45.0 * 50.0 90.1 70.130 Tenachoodsoftylos 38.7 * 50.0 77.3 70.130 Tenachoodsoftylos 38.7 * 50.0 77.5 70.130 Tohosa 45.5 * 50.0 96.3 70.130 Tohosa 46.5 * 50.0 96.3 70.130 Tuma-1 2-Debloresopproce 45.2 * 50.0 96.3 70.130 Tuma-1 2-Debloresopproce 46.0 * 50.0 96.0 71.13 Tenkhonothjoromethane 46.0 * 50.0 97.7 70.130 Surrogarc SURE L2-Deblorochame-df 49.9 * 50.0 97.7 70.130 Surrogarc SURE L2-Deblorochame-df 49.9 * 50.0 97.7 70.130 CLS Dep (dC30995-BSD) * 50.0 97.7 70.130 * L1,2-Trinchorochame 43.3 * 50.0 104 70.130 * L1,2-Trinchorochame 43.3 * 50.0 104 70.77 30	sec-Butylbenzene	46.7	"	50.0		93.4	70-130				
tari-Bargharosher Tenshordhylense Te	Styrene	45.0	"	50.0		90.1	70-130				
Ternakotorybine 38.7 * 50.0 77.5 70.130 Takaca 45.2 * 50.0 90.4 70.130 Takaca 46.5 * 50.0 90.3 70.130 Tama-L3-Dickhoropropylenc 45.2 * 50.0 90.3 70.130 Tanach-Adickhoro-2-battenc 46.0 * 50.0 90.3 70.130 Trichhoredlylene 46.0 * 50.0 90.0 70.7 70.130 Trichhoredlylene 46.0 * 50.0 90.7 70.130 * Marrogate: SURP: Tokanowska 47.7 * 90.0 92.7 70.130 * Aurogate: SURP: Tokanowska 47.7 * 90.0 94.4 70.130 A4.0 30 L1,2-Trichhoreschane 47.2 ug'L 50.0 96.6 70.130 2.47 30 L1,2-Trichhoreschane 48.3 * 50.0 96.6 70.130 2.47 30 14 30 11	tert-Butylbenzene	46.9	"	50.0		93.9	70-130				
Ternbychrinn 45.2 * 50.0 90.4 70.120 Traban: 50.0 93.0 70.130 70.130 Trab.1-3D:Obbitmerbylene 51.3 * 50.0 93.9 70.130 Trab.1-3D:Obbitmerpylene 46.9 * 50.0 93.9 70.130 Trab.hon-Bhormerbane 46.0 * 50.0 93.7 70.130 Varyl Chorad 40.9 * 50.0 93.7 70.130 Strongelic SURR: 12-Dicharachan-di 49.9 * 50.0 93.7 70.130 Strongelic SURR: 12-Dicharachan-di 47.1 * 50.0 94.2 70.130 Strongelic SURR: 12-Dicharachan-di 47.1 * 50.0 94.4 70.130 L1,13-Christhersenhane 47.2 up1. 50.0 94.4 70.130 11.2 L1,13-Christhersenhane 48.3 * 50.0 94.6 70.130 12.37 L1,13-Christhersenhane 48.3 * 50.0 94.6 70.130 12.37 L1,2-Christhersenhane 48.3 * 50.0	Tetrachloroethylene	38.7	"	50.0		77.5	70-130				
Tokenc 46.5 • 50.0 93.0 70.130 trans.1.3.Dickhorpropylene 45.2 50.0 93.9 70.130 trans.1.4.1.dickhors2-butcne 46.9 • 50.0 93.9 70.130 Trichkorsthylene 46.0 • 50.0 96.0 70.130 Trichkorsthylene 46.0 • 50.0 96.0 70.130 Strongate: SURR.1.2.Dickhoredhaned.4 46.9 • 50.0 96.0 70.130 Strongate: SURR.1.2.Dickhoredhaned.4 46.9 • 50.0 96.7 70.130 Strongate: SURR.1.2.Dickhoredhane 50.4 • 50.0 96.7 70.130 LCS Duey (IC3095-ISD) Perpered & Andyzet: 00.1570227 10.11 1.1.2.1.57 1.1.2.2.Teichhoredhane 45.3 • 50.0 96.6 70.130 4.40 30 1.1.2.2.Teichhoredhane (Freen 51.8 • 50.0 96.6 70.130 4.47 30 1.1.2.Trichhoredhane (Freen 51.3 • 50.0 96.6 70.130 4.48 30 1.1	Tetrahydrofuran	45.2	"	50.0		90.4	70-130				
trame-1.2-Dickhorengerplene \$1.3 * 500 013 70-130 trame-1.4-dichlaror-2-butane \$45.2 * 50.0 033 70-130 trane-1.4-dichlaror-2-butane \$46.0 * 50.0 91.9 70-130 trane-1.4-dichlaror-2-butane \$46.0 * 50.0 91.9 70-130 trane-1.4-dichlaror-2-butane \$46.0 * 50.0 91.9 70-130 transformation transformation \$46.0 * 50.0 91.7 70-130 transformation transformation \$46.0 * 50.0 91.7 70-130 transformation transformation \$46.0 * 50.0 91.7 70-130 transformation transformation \$47.1 * 50.0 94.2 70-130 transformation transformation \$47.2 ug/L 50.0 94.4 70-130 \$4.0 30 transformation transformation \$47.2 ug/L 50.0 94.4 70-130 \$4.0 30 transformation \$28.8 * 50.0 104 70-130 \$4.7 30 transformation \$28.8 * 50.0 104 70-130 \$4.7 30 transformation \$48.3 * 50.0 104 70-130 \$4.4 30 transformation \$48.3 * 50.0 104 70-130 \$4.4 30 transformation \$48.3 * 50.0 104 70-130 \$4.4 50 transformation \$48.3 * 50.0 103 70-130 \$4.7 8 30 transformation \$48.3 * 50.0 103 70-130 \$4.7 8 30 transformation \$43.3 * 50.0 103 70-130 \$4.7 8 30 transformation \$43.3 * 50.0 103 70-130 \$4.7 8 30 transformation \$45.1 * 50.0 92.7 70-130 \$4.8 4 30 transformation \$45.1 * 50.0 92.8 70-130 \$4.8 4 30 transformation \$45.1 * 50.0 97.6 70-130 \$4.5 30 transformation \$45.1 * 50.0 97.6 70-130 \$4.	Toluene	46.5	"	50.0		93.0	70-130				
tame-1-3-bickhorperylene 452 - 500 90.3 70-130 Trichlorothylene 46.0 - 50.0 91.9 70-130 Trichlorothylene 46.0 - 50.0 91.7 70-130 Trichlorothylene 46.0 - 50.0 92.7 70-130 Surrogate: SURR: 1_2-Dickhoroethane d4 49.9 - 50.0 92.7 70-130 Surrogate: SURR: 1_2-Dickhoroethane d4 77.1 - 50.0 94.7 70-130 Surrogate: SURR: 1_2-Dickhoroethane d50.4 - 50.0 106 70-130 5.27 30 1_1,1_2-Tichanobroethane 47.2 ug/L 50.0 106 70-130 5.27 30 1_1,2_2-Tichanobroethane 48.3 - 50.0 106 70-130 5.27 30 1_1,2_2-Tichanobroethane 48.0 - 50.0 106 70-130 1.46 30 1]3 1_1,2_2-Tichanobroethane 51.3 - 50.0 103 3.97 30 1_1,2_2-Tichanobroethane 51.3 - 50.0 103 70-130 1.46 30 1]3 1_2.2_Tichanobroethane 51.3 - 50.0 106 70-130 2.46 30 1]3 1_2.2_Tichanobroethane 51.3 - 50.0 105 70-130 4.48 30 1_2.3_Tichanobroethane 51.3 - 50.0 105 70-130 4.48 30 1_2.3_Tichanobroethane 51.3 - 50.0 105 70-130 4.78 30 1_2.3_Tichanobroethane 46.4 - 50.0 92.2 70-130 4.48 30 1_2.3_Tichanobroethane 46.4 - 50.0 92.2 70-130 4.48 30 1_2.4_Tinchhoroethane 46.4 - 50.0 92.8 70-130 2.46 30 1_2.4_Tinchhoroethane 46.4 - 50.0 92.8 70-130 2.46 30 1_2.4_Tinchhoroethane 46.4 - 50.0 92.8 70-130 2.46 30 1_2.4_Tinchhoroethane 48.8 - 50.0 94.7 70-130 4.48 30 1_2.4_Tinchhoroethane 48.3 - 50.0 94.7 70-130 4.48 30 1_2.4_Tinchhoroethane 48.8 - 50.0 94.7 70-130 4.42 50 1_2.4_Tinchhoroethane 48.8 - 50.0 94.7 70-130 4.43 30 1_3.5_Tinnedhylberzene 46.6 - 50.0 94.7 70-130 4.44 50 1_3.5_Tinnedhylberzene 46.6 - 50.0 94.7 70-130 4.43 30 1_3.5_Tinnedhylberzene 46.6 - 50.0 94.7 70-130 4.42 50 1_3.5_Tichanobroethane 55.1 - 50.0 94.7 70-130 4.43 50 1_3.5_Tinnedhylberzene 46.6 - 50.0 94.7 70-130 4.45 30 1_3.5_Tinnedhylberzene 46.6 - 50.0 94.7 70-130 4.45 30 1_3.5_Tichanobroethane 55.1 - 50.0 94.7 70-130 4.45 30 1_3.5_Tichanobroethane 55.1 - 50.0 94.7 70-130 4.45 30 1_3.5_Tichanobroethane	trans-1,2-Dichloroethylene	51.3	"	50.0		103	70-130				
trame-1-4 delabore-2-batters 46.9 * 50.0 92.9 70-130 Tickhorenflyasomethane 46.0 * 50.0 96.0 70-130 Varyl Cholarda 46.9 * 50.0 96.0 70-130 Surrogate: SURE: 12-Dechtorsethane-d4 46.9 * 50.0 92.7 70-130 Surrogate: SURE: Tolane-d8 47.1 * 50.0 10.1 70-130 Surrogate: SURE: Tolane-d8 47.1 * 50.0 10.1 70-130 Surrogate: SURE: Tolane-d8 47.1 * 50.0 94.4 70-130 4.40 30 1,1,12-Ticthorof-L22-strithoroethane 42.8 * 50.0 96.6 70-130 2.77 30 1,1,2-Ticthorof-L22-strithoroethane 51.8 * 50.0 10.4 70-130 3.97 30 1,1,2-Ticthorof-1,22-strithoroethane 51.3 * 50.0 10.3 2.77 30 1,1,2-Ticthoroethane 51.3 * 50.0 10.6 70-130 4.44 30 1,1,2-Ticthoroethane 51.3 *	trans-1,3-Dichloropropylene	45.2	"	50.0		90.3	70-130				
Trahloreshylene 46.0 * 50.0 91.9 70-130 Vinyl Chloride 46.9 * 50.0 92.7 70-130 Surrogatz: URR: 1.2-Dichorsehane.44 49.9 * 50.0 92.7 70-130 Surrogatz: URR: 1.2-Dichorsehane.44 49.9 * 50.0 92.7 70-130 Surrogatz: URR: 1.2-Dichorsehane.44 49.9 * 50.0 101 70-130 Surrogatz: SURR: p-Bromofluorobenzene 50.4 * 50.0 101 70-130 LCS Dap (BC30995-BSD1) Prepard & Analyzed: 03152023 L1,12-Tisthonorebhane 42.8 * 50.0 106 70-130 2.77 30 1,1,2-Tisthonorebhane 48.3 * 50.0 104 70-130 2.77 30 1,1,2-Tisthonorebhane 48.0 * 50.0 1040 70-130 3.97 30 1,1-3-Tisthoroebhane 45.3 * 50.0 103 70-130 4.44 30 1,2-Trichhoroebhane 46.6 * 50.0 92.7 70-130 4.84 </td <td>trans-1,4-dichloro-2-butene</td> <td>46.9</td> <td>"</td> <td>50.0</td> <td></td> <td>93.9</td> <td>70-130</td> <td></td> <td></td> <td></td> <td></td>	trans-1,4-dichloro-2-butene	46.9	"	50.0		93.9	70-130				
Trchlorodharomethane 48.0 * 50.0 96.0 70.130 Vayl Chloride 46.9 * 50.0 92.7 70.130 Surrogate: SUR: 1,2-Dichloroethane-d4 49.9 * 50.0 94.2 70.130 Surrogate: SUR: 1,2-Dichloroethane-d4 49.9 * 50.0 94.2 70.130 Surrogate: SUR: 1,2-Totachloroethane-d4 70 * 50.0 94.4 70.130 4.40 30 1,1,1-Tichtachloroethane 47.2 ug1. 50.0 94.4 70.130 2.77 30 1,1,2-Tichtachloroethane 52.3 * 50.0 96.6 70.130 2.77 30 1,1,2-Tichtachloroethane 48.3 * 50.0 96.6 70.130 3.97 30 1,1,2-Tichtachloroethane 48.0 * 50.0 96.0 70.130 3.97 30 1,1,2-Tichtachoroethane 48.0 * 50.0 10.3 70.130 4.44 30 1,1,2-Tichtachoroethane 48.0 * 50.0 96.6 70.130 <	Trichloroethylene	46.0	"	50.0		91.9	70-130				
Vinyl Charde 46.9 * 50.0 93.7 70-130 Surrogate: SURR: 1.2-Dichloreehane-d4 49.9 * 50.0 94.2 70-130 Surrogate: SURR: p-Bronoghuronbenzene 50.4 * 50.0 94.2 70-130 CLS Darp (BC30995-BSD) Prepared & Analyzet: 08/15/2023 11.1.2-Trichhoroschane 42.8 * 50.0 106 70-130 \$277 30 11.1.2-Trichhoroschane 48.3 * 50.0 106 70-130 \$4.40 30 11.2.2-Trichhoroschane 48.3 * 50.0 106 70-130 \$4.74 30 11.2.2-Trichhoroschane 48.0 * 50.0 96.6 70-130 \$4.74 30 1.1-Dichloroschane 48.0 * 50.0 96.6 70-130 \$4.78 30 1.2-Trichhoroschane 46.3 * 50.0 92.7 70-130 \$4.78 30 1.2-Dichloroschane 52.4 * 50.0<	Trichlorofluoromethane	48.0	"	50.0		96.0	70-130				
Surrogate: SURR 1.2 Total Surrogate: SURR Total Surrogate: SURR: Total SUR SUR <td>Vinyl Chloride</td> <td>46.9</td> <td>"</td> <td>50.0</td> <td></td> <td>93.7</td> <td>70-130</td> <td></td> <td></td> <td></td> <td></td>	Vinyl Chloride	46.9	"	50.0		93.7	70-130				
Surrogate: SURR 7.1 " 50.0 94.2 70-130 Surrogate: SUR4 " 50.0 101 70-130 LCS Dug (BC30995-BSD1) Perpared & Analyzed: 030 30 1.1,1-Tenchloroschane 52.8 " 50.0 94.4 70-130 5.27 30 1.1,2-Trichloroschane 52.8 " 50.0 96.6 70-130 2.77 30 1.1,2-Trichloroschane 48.0 " 50.0 96.0 70-130 3.97 30 1.1,2-Trichloroschane 48.0 " 50.0 96.0 70-130 3.97 30 1.1,2-Trichloroschane 46.0 " 50.0 96.0 70-130 4.78 30 1.1-Dichloroschane 51.3 " 50.0 105 70-130 4.78 30 1.2-Strichloroschare 46.6 " 50.0 92.7 70-130 4.84 30 1.2-Jartichloroscharene 46.6 " 50.0 92.7 70-130 4.24 30 1.2-Jartichloroscharene <t< td=""><td>Surrogate: SURR: 1,2-Dichloroethane-d4</td><td>49.9</td><td>"</td><td>50.0</td><td></td><td><i>99.</i>7</td><td>70-130</td><td></td><td></td><td></td><td></td></t<>	Surrogate: SURR: 1,2-Dichloroethane-d4	49.9	"	50.0		<i>99.</i> 7	70-130				
Surrogate: SUR " SUR 101 70-130 Prepared & Analyzet: 0.1/12/02 LC Surp (RC3095-RSD1) Teramethorechane 47.2 ug/L 50.0 94.4 70-130 4.40 30 L1,12-Tetrachorechane 48.3 * 50.0 96.6 70-130 2.77 30 L1,2-Tetrachorechane 48.3 * 50.0 96.0 70-130 1.46 30 L1,2-Tetrachorechane (Freen 51.8 * 50.0 96.0 70-130 3.97 30 L1,2-Tetrachorechane 48.0 * 50.0 103 70-130 4.46 30 L1,2-Tetrachorechane 51.1 * 50.0 106 70-130 4.44 30 L1,2-Tetrachorechane 46.3 * 50.0 103 70-130 4.44 30 L1,2-Tetrachorechane 46.3 * 50.0 92.7 70-130 4.44 30 L2,3-Tetrachorechane 46.3 * 50.0 92.7 70-130 4.64 30 L2,3-Tetrachorechane 46.4 * 50.0 92.8	Surrogate: SURR: Toluene-d8	47.1	"	50.0		94.2	70-130				
LCS Dap (BC3095-BSD1) Prepared & Anityzei: 03/15/2021 1.1,1-2:Terachloroethane 47.2 ug/L 50.0 94.4 70-130 4.40 30 1.1,1-2:Terachloroethane 48.3 * 50.0 106 70-130 2.77 30 1.1,2-2:Terachloroethane 48.3 * 50.0 104 70-130 2.77 30 1.1,2-Trichloroethane (Freon 51.8 * 50.0 104 70-130 3.97 30 1.1.2-Trichloroethane 48.0 * 50.0 103 70-130 4.12 30 1.1.Dichloroethane 51.3 * 50.0 105 70-130 4.48 30 1.1.Dichloroethane 51.3 * 50.0 105 70-130 4.48 30 1.2.3-Trichlorophysine 52.4 * 50.0 92.7 70-130 4.84 30 1.2.3-Trichlorophysine 52.4 * 50.0 92.8 70-130 6.64 30 1.2.3-Trichlorophysine 46.4 * 50.0 92.7 70-130 6.72 30	Surrogate: SURR: p-Bromofluorobenzene	50.4	"	50.0		101	70-130				
1.1,12-Tetrachloroethane 47,2 ug/L 50.0 94.4 70-130 4.40 30 1.1,12-Trichloroethane 52.8 " 50.0 106 70-130 5.27 30 1.1,22-Trichloroethane 48.3 " 50.0 96.6 70-130 2.77 30 1.1,2-Trichloroethane 48.0 " 50.0 104 70-130 1.46 30 1.1,2-Trichloroethane 48.0 " 50.0 96.0 70-130 3.97 30 1.1,2-Trichloroethane 51.3 " 50.0 103 70-130 4.12 30 1.1-Dichloroprophylene 52.4 " 50.0 105 70-130 4.84 30 1.2,3-Trichloroethane 46.3 " 50.0 92.7 70-130 4.84 30 1.2,3-Trichloroethane 46.4 " 50.0 92.8 70-130 4.84 30 1.2,3-Trichloroethane 48.3 " 50.0 92.8 70-130 4.53 30 1.2,3-Trichloroethane 48.3 " 50.0 </td <td>LCS Dup (BC30995-BSD1)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Pre</td> <td>pared & Analy</td> <td>zed: 03/15/</td> <td>2023</td> <td></td>	LCS Dup (BC30995-BSD1)						Pre	pared & Analy	zed: 03/15/	2023	
1,1,1-Trickhoroethane 52,8 * 50,0 106 70-130 527 30 1,1,2-Tertachkoroethane 48,3 * 50,0 96,6 70-130 2.77 30 1,1,2-Tertachkoroethane (Freen 51,8 * 50,0 96,0 70-130 2.47 30 1,1,2-Trickhoroethane 48,0 * 50,0 96,0 70-130 3.97 30 1,1-Dichkoroethane 51,3 * 50,0 106 70-130 2.46 30 1,1-Dichkoroethylene 53,1 * 50,0 92,7 70-130 4.78 30 1,2,3-Trickhoroebnzene 46,6 * 50,0 92,7 70-130 4.74 30 1,2,4-Trinkhoroebnzene 46,6 * 50,0 92,8 70-130 4.25 30 1,2,4-Trinkhoroebnzene 48,3 * 50,0 94,6 70-130 4.25 30 1,2-Dichoroebnzene 48,8 * 50,0 97,6 70-130 4.25 30 1,2-Dichoroebnzene 49,0 * 50,0	1,1,1,2-Tetrachloroethane	47.2	ug/L	50.0		94.4	70-130		4.40	30	
1,1,2-Tetrachloroethane 48.3 * 50.0 96.6 70-130 2.77 30 1,1,2-Trichloroethane (Freen 13) 51.8 * 50.0 104 70-130 1.46 30 1,1,2-Trichloroethane 48.0 * 50.0 96.0 70-130 3.97 30 1,1-Dichloroethylene 51.3 * 50.0 103 70-130 4.42 30 1,1-Dichloroethylene 52.4 * 50.0 105 70-130 4.44 30 1,2,3-Trichloropoppane 46.6 * 50.0 92.7 70-130 4.44 30 1,2,4-Trichlorobenzene 46.3 * 50.0 92.8 70-130 0.646 30 1,2,4-Trichlorobenzene 48.3 * 50.0 92.8 70-130 4.55 30 1,2,4-Trichlorobenzene 48.3 * 50.0 94.7 70-130 4.55 30 1,2,4-Trichloropopane 47.4 * 50.0 94.7 70-130 4.53 30 1,2,4-Trinethylbenzene 48.8 * <	1,1,1-Trichloroethane	52.8	"	50.0		106	70-130		5.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon \$1,8 " \$0,0 104 70-130 1.46 30 11,3 1,1,2-Trichloroethane \$1,3 " \$0,0 \$0,0 70-130 \$3.97 30 1,1-Dichloroethane \$1,3 " \$0,0 103 70-130 \$4,12 30 1,1-Dichloroethane \$5,1 " \$0,0 105 70-130 \$4,84 30 1,1-Dichloroethane \$2,4 " \$0,0 92,7 70-130 \$4,84 30 1,2,3-Trichloroptopane 46,6 " \$0,0 92,8 70-130 \$4,84 30 1,2,4-Trinchloroptopane 46,4 " \$0,0 92,8 70-130 \$4,25 30 1,2-Dithoronostane 48,3 " \$0,0 94,7 70-130 \$4,25 30 1,2-Dichlorobenzene 48,8 " \$0,0 96,6 70-130 \$4,25 30 1,2-Dichlorobenzene 49,0 " \$0,0 96,6 70-130 \$4,53 30 1,2-Dichlorobenzene 48,6	1,1,2,2-Tetrachloroethane	48.3	"	50.0		96.6	70-130		2.77	30	
1.1.2-Trichloroethane 48.0 " 50.0 96.0 70-130 3.97 30 1.1-Dichloroethane 51.3 " 50.0 103 70-130 4.12 30 1.1-Dichloroethane 53.1 " 50.0 106 70-130 2.46 30 1.1-Dichloropropyrete 52.4 " 50.0 92.7 70-130 4.84 30 1.2.3-Trichlorobenzene 46.6 " 50.0 92.2 70-130 4.84 30 1.2.4-Trinchlorobenzene 46.4 " 50.0 92.8 70-130 4.64 30 1.2.4-Trinchlorobenzene 46.4 " 50.0 92.8 70-130 4.64 30 1.2.4-Trinchlybenzene 48.3 " 50.0 94.7 70-130 6.72 30 1.2-Dichloroethane 48.8 " 50.0 94.7 70-130 4.53 30 1.2-Dichlorobenzene 49.0 " 50.0 98.0 70-130 4.66 30 1.3.5 1.2-Dichloroethane 55.1 " 5	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	51.8	"	50.0		104	70-130		1.46	30	
1,1-Dichloroethane 51.3 " 50.0 103 70-130 4.12 30 1,1-Dichloroproplene 53.1 " 50.0 106 70-130 2.46 30 1,1-Dichloroproplene 52.4 " 50.0 105 70-130 4.78 30 1,2,3-Trichlorobenzene 46.6 " 50.0 92.7 70-130 4.84 30 1,2,4-Trichlorobenzene 46.4 " 50.0 92.8 70-130 2.66 30 1,2,4-Trichlorobenzene 48.3 " 50.0 92.8 70-130 4.23 30 1,2-Dirbinoro-3-chloropropane 47.4 " 50.0 94.7 70-130 4.23 30 1,2-Dirbinorobane 48.8 " 50.0 97.6 70-130 4.13 30 1,2-Dichlorobenzene 49.0 " 50.0 98.0 70-130 4.53 30 1,2-Dichlorobenzene 49.0 " 50.0 97.2 70-130 4.66 30 1,3-Dichlorobenzene 48.6 " 50.0 <t< td=""><td>1,1,2-Trichloroethane</td><td>48.0</td><td>"</td><td>50.0</td><td></td><td>96.0</td><td>70-130</td><td></td><td>3.97</td><td>30</td><td></td></t<>	1,1,2-Trichloroethane	48.0	"	50.0		96.0	70-130		3.97	30	
1,1-Dichloroperbylene 53.1 * 50.0 106 70-130 2.46 30 1,1-Dichloroperpoplene 52.4 * 50.0 105 70-130 4.78 30 1,2,3-Trichlorobenzene 46.3 * 50.0 92.7 70-130 4.84 30 1,2,3-Trichlorobenzene 46.6 * 50.0 92.2 70-130 0.646 30 1,2,4-Trichlorobenzene 46.4 * 50.0 92.8 70-130 4.25 30 1,2-Dirborno-3-chloropropane 47.4 * 50.0 96.6 70-130 4.25 30 1,2-Dichlorobenzene 48.8 * 50.0 97.6 70-130 2.11 30 1,2-Dichlorobenzene 49.0 * 50.0 98.6 70-130 4.53 30 1,2-Dichlorobenzene 49.0 * 50.0 98.5 70-130 4.66 30 1,2-Dichloropenpane 49.2 * 50.0 97.2 70-130 4.66 30 1,2-Dichloropropane 49.0 * 50.0	1,1-Dichloroethane	51.3	"	50.0		103	70-130		4.12	30	
1,1-Dichloropropylene 52.4 * 50.0 105 70-130 4.78 30 1,2,3-Trichlorobenzene 46.3 * 50.0 92.7 70-130 4.84 30 1,2,3-Trichloroptropane 46.6 * 50.0 93.2 70-130 0.646 30 1,2,4-Trinchlorobenzene 46.4 * 50.0 92.8 70-130 2.66 30 1,2,4-Trinchtylbenzene 48.3 * 50.0 96.6 70-130 4.25 30 1,2-Dibromo-3-chloropropane 47.4 * 50.0 97.6 70-130 6.72 30 1,2-Dibromo-thane 48.8 * 50.0 97.6 70-130 4.53 30 1,2-Dichlorobenzene 49.0 * 50.0 98.0 70-130 4.53 30 1,2-Dichloroptopane 49.2 * 50.0 98.5 70-130 1.72 30 1,3-Dichloroptopane 49.0 * 50.0 93.3 70-130 4.66 30 1,3-Dichloroptopane 49.0 * 50.0	1,1-Dichloroethylene	53.1	"	50.0		106	70-130		2.46	30	
1,2,3-Trichlorobenzene 46.3 " 50.0 92.7 70-130 4.84 30 1,2,3-Trichloropropane 46.6 " 50.0 93.2 70-130 0.646 30 1,2,4-Trichlorobenzene 46.4 " 50.0 92.8 70-130 2.66 30 1,2,4-Trichlorobenzene 48.3 " 50.0 96.6 70-130 4.25 30 1,2,4-Trinethylbenzene 48.3 " 50.0 97.6 70-130 6.72 30 1,2-Dibromo-schloropropane 47.4 " 50.0 97.6 70-130 2.11 30 1,2-Dichlorobenzene 49.0 " 50.0 98.0 70-130 4.53 30 1,2-Dichloropropane 49.0 " 50.0 98.5 70-130 4.66 30 1,3-Dichloropropane 48.6 " 50.0 93.3 70-130 4.67 30 1,3-Dichloropropane 46.6 " 50.0 93.3 70-130 4.67 30 1,3-Dichloropropane 46.6 " 50.0	1,1-Dichloropropylene	52.4	"	50.0		105	70-130		4.78	30	
1,2,3-Trichloropropane 46.6 * 50.0 93.2 70-130 0.646 30 1,2,4-Trichlorobenzene 46.4 * 50.0 92.8 70-130 2.66 30 1,2,4-Trinchlylbenzene 48.3 * 50.0 96.6 70-130 4.25 30 1,2-Dibromo-3-chloropropane 47.4 * 50.0 97.6 70-130 6.72 30 1,2-Dibromo-s-chloropropane 48.8 * 50.0 97.6 70-130 4.13 30 1,2-Dibromo-s-chloropropane 48.8 * 50.0 97.6 70-130 4.53 30 1,2-Dichlorobenzene 49.0 * 50.0 98.0 70-130 4.53 30 1,2-Dichloropropane 49.0 * 50.0 98.5 70-130 4.72 30 1,3-Dichloropropane 48.6 * 50.0 93.3 70-130 4.73 30 1,3-Dichloropropane 46.6 * 50.0 93.8 70-130 4.93 30 1,4-Dichlorobenzene 46.9 * <td< td=""><td>1,2,3-Trichlorobenzene</td><td>46.3</td><td>"</td><td>50.0</td><td></td><td>92.7</td><td>70-130</td><td></td><td>4.84</td><td>30</td><td></td></td<>	1,2,3-Trichlorobenzene	46.3	"	50.0		92.7	70-130		4.84	30	
1,2,4-Trichlorobenzene 46,4 " 50,0 92,8 70-130 2.66 30 1,2,4-Trimethylbenzene 48,3 " 50,0 96,6 70-130 4.25 30 1,2-Dibromo-3-chloropropane 47,4 " 50,0 97,6 70-130 6.72 30 1,2-Dibromo-thane 48,8 " 50,0 97,6 70-130 4.53 30 1,2-Dibromo-thane 49,0 " 50,0 98,0 70-130 4.53 30 1,2-Dibroroptopane 49,0 " 50,0 98,5 70-130 1.72 30 1,2-Dichloroptopane 49,2 " 50,0 97,2 70-130 1.72 30 1,3-Dichloroptopane 48,6 " 50,0 97,2 70-130 4.66 30 1,3-Dichloroptopane 49,0 " 50,0 93,3 70-130 4.93 30 1,4-Dichloroptopane 46,6 " 50,0 93,8 70-130 4.01 30 2,2-Dichloropropane 46,0 " 50,0 60,2	1,2,3-Trichloropropane	46.6	"	50.0		93.2	70-130		0.646	30	
1,2,4-Trimethylbenzene 48.3 " 50.0 96.6 70-130 4.25 30 1,2-Dibromo-3-chloropropane 47.4 " 50.0 94.7 70-130 6.72 30 1,2-Dibromoethane 48.8 " 50.0 97.6 70-130 2.11 30 1,2-Dibromoethane 48.8 " 50.0 98.0 70-130 4.53 30 1,2-Dichlorobenzene 49.0 " 50.0 98.0 70-130 4.53 30 1,2-Dichloropropane 55.1 " 50.0 98.5 70-130 4.66 30 1,3-Dichlorobenzene 48.6 " 50.0 97.2 70-130 4.66 30 1,3-Dichloropropane 49.0 " 50.0 97.2 70-130 4.93 30 1,3-Dichloropropane 49.0 " 50.0 93.3 70-130 4.93 30 1,3-Dichloropropane 49.0 " 50.0 93.8 70-130 4.93 30 1,4-Dichloropropane 46.6 " 50.0 60.2 </td <td>1,2,4-Trichlorobenzene</td> <td>46.4</td> <td>"</td> <td>50.0</td> <td></td> <td>92.8</td> <td>70-130</td> <td></td> <td>2.66</td> <td>30</td> <td></td>	1,2,4-Trichlorobenzene	46.4	"	50.0		92.8	70-130		2.66	30	
1,2-Dibromo-3-chloropropane 47,4 " 50.0 94.7 70-130 6.72 30 1,2-Dibromoethane 48.8 " 50.0 97.6 70-130 2.11 30 1,2-Dichlorobenzene 49.0 " 50.0 98.0 70-130 4.53 30 1,2-Dichloroptopane 49.0 " 50.0 98.0 70-130 4.53 30 1,2-Dichloroptopane 49.2 " 50.0 98.5 70-130 1.72 30 1,3-Dichloroptopane 49.2 " 50.0 97.2 70-130 4.66 30 1,3-Dichlorobenzene 48.6 " 50.0 97.2 70-130 4.66 30 1,3-Dichloropropane 49.0 " 50.0 93.3 70-130 4.93 30 1,4-Dichloropropane 49.0 " 50.0 93.8 70-130 4.93 30 1,4-Dichloropropane 46.9 " 50.0 93.8 70-130 4.93 30 2.2-Dichloropropane 54.0 " 50.0 96.8 <td>1,2,4-Trimethylbenzene</td> <td>48.3</td> <td>"</td> <td>50.0</td> <td></td> <td>96.6</td> <td>70-130</td> <td></td> <td>4.25</td> <td>30</td> <td></td>	1,2,4-Trimethylbenzene	48.3	"	50.0		96.6	70-130		4.25	30	
1,2-Dibromoethane 48.8 " 50.0 97.6 70-130 2.11 30 1,2-Dichlorobenzene 49.0 " 50.0 98.0 70-130 4.53 30 1,2-Dichloroethane 55.1 " 50.0 10 70-130 3.70 30 1,2-Dichloropropane 49.2 " 50.0 98.5 70-130 1.72 30 1,3-5-Trimethylbenzene 48.6 " 50.0 97.2 70-130 4.66 30 1,3-5-Trimethylbenzene 48.6 " 50.0 93.3 70-130 4.66 30 1,3-Dichlorobenzene 46.6 " 50.0 93.3 70-130 4.93 30 1,4-Dichlorobenzene 46.9 " 50.0 98.1 70-130 4.93 30 2,2-Dichloropropane 54.0 " 50.0 93.8 70-130 4.93 30 2,2-Dichloropropane 54.0 " 50.0 90.8 70-130 Low Bias 46.2 30 Non-dir. 2,-Dichloropropane 45.4 "<	1,2-Dibromo-3-chloropropane	47.4	"	50.0		94.7	70-130		6.72	30	
1,2-Dichlorobenzene 49,0 " 50,0 98,0 70-130 4.53 30 1,2-Dichloroethane 55,1 " 50,0 110 70-130 3.70 30 1,2-Dichloroppane 49,2 " 50,0 98,5 70-130 1.72 30 1,3,5-Trimethylbenzene 48,6 " 50,0 97,2 70-130 4.66 30 1,3-Dichlorobenzene 46,6 " 50,0 93,3 70-130 4.46 30 1,3-Dichlorobenzene 46,6 " 50,0 93,3 70-130 4.46 30 1,3-Dichloropopane 49,0 " 50,0 98,1 70-130 4.93 30 1,4-Dichlorobenzene 46,9 " 50,0 93,8 70-130 4.11 30 2,2-Dichloropropane 54,0 " 50,0 60,2 70-130 Low Bias 46,2 30 Non-dir. 2-Chlorotoluene 48,4 " 50,0 96,8 70-130 Low Bias 46,2 30 Non-dir. 120 RESEARCH DR	1,2-Dibromoethane	48.8	"	50.0		97.6	70-130		2.11	30	
1,2-Dichloroethane 55.1 " 50.0 110 70-130 3.70 30 1,2-Dichloropropane 49.2 " 50.0 98.5 70-130 1.72 30 1,3,5-Trimethylbenzene 48.6 " 50.0 97.2 70-130 4.66 30 1,3-Dichlorobenzene 46.6 " 50.0 93.3 70-130 4.47 30 1,3-Dichlorobenzene 46.6 " 50.0 93.3 70-130 4.93 30 1,4-Dichlorobenzene 46.9 " 50.0 93.8 70-130 4.93 30 1,4-Dichloropopane 54.0 " 50.0 93.8 70-130 4.01 30 2,2-Dichloropropane 54.0 " 50.0 108 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 48.4 " 50.0 90.7 70-130 Low Bias 46.2 30 Non-dir. 2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30 Intro 30	1,2-Dichlorobenzene	49.0	"	50.0		98.0	70-130		4.53	30	
1,2-Dichloropropane 49,2 " 50.0 98.5 70-130 1.72 30 1,3,5-Trimethylbenzene 48.6 " 50.0 97.2 70-130 4.66 30 1,3-Dichlorobenzene 46.6 " 50.0 93.3 70-130 3.47 30 1,3-Dichloropropane 49.0 " 50.0 98.1 70-130 4.93 30 1,4-Dichlorobenzene 46.9 " 50.0 93.8 70-130 4.11 30 2,2-Dichloropropane 54.0 " 50.0 108 70-130 Low Bias 46.2 30 Non-dir. 2,2-Dichloropropane 30.1 " 50.0 60.2 70-130 Low Bias 46.2 30 Non-dir. 2-Butanone 30.1 " 50.0 96.8 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 45.4 " 50.0 96.8 70-130 1.10 30 2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30	1,2-Dichloroethane	55.1	"	50.0		110	70-130		3.70	30	
1,3,5-Trimethylbenzene 48.6 " 50.0 97.2 70-130 4.66 30 1,3-Dichlorobenzene 46.6 " 50.0 93.3 70-130 3.47 30 1,3-Dichloropropane 49.0 " 50.0 98.1 70-130 4.93 30 1,4-Dichloropropane 46.9 " 50.0 93.8 70-130 4.11 30 2,2-Dichloropropane 54.0 " 50.0 108 70-130 2.99 30 2-Butanone 30.1 " 50.0 60.2 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 48.4 " 50.0 96.8 70-130 Low Bias 46.2 30 Non-dir. 2-Hexanone 45.4 " 50.0 96.8 70-130 1.10 30 120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices/G Page 17 of 24	1,2-Dichloropropane	49.2	"	50.0		98.5	70-130		1.72	30	
1,3-Dichlorobenzene 46.6 " 50.0 93.3 70-130 3.47 30 1,3-Dichloropropane 49.0 " 50.0 98.1 70-130 4.93 30 1,4-Dichlorobenzene 46.9 " 50.0 93.8 70-130 4.11 30 2,2-Dichloropropane 54.0 " 50.0 108 70-130 2.99 30 2-Butanone 30.1 " 50.0 60.2 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 48.4 " 50.0 96.8 70-130 Low Bias 46.2 30 Non-dir. 2-Hexanone 45.4 " 50.0 96.8 70-130 5.90 30 120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices/G Page 17 of 24	1,3,5-Trimethylbenzene	48.6	"	50.0		97.2	70-130		4.66	30	
1,3-Dichloropropane 49.0 " 50.0 98.1 70-130 4.93 30 1,4-Dichlorobenzene 46.9 " 50.0 93.8 70-130 4.11 30 2,2-Dichloropropane 54.0 " 50.0 108 70-130 2.99 30 2-Butanone 30.1 " 50.0 60.2 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 48.4 " 50.0 96.8 70-130 Low Bias 46.2 30 Non-dir. 2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30 120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices/a Page 17 of 24	1,3-Dichlorobenzene	46.6	"	50.0		93.3	70-130		3.47	30	
1,4-Dichlorobenzene 46.9 " 50.0 93.8 70-130 4.11 30 2,2-Dichloropropane 54.0 " 50.0 108 70-130 2.99 30 2-Butanone 30.1 " 50.0 60.2 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 48.4 " 50.0 96.8 70-130 Low Bias 46.2 30 Non-dir. 2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30 120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices/a Page 17 of 24	1,3-Dichloropropane	49.0	"	50.0		98.1	70-130		4.93	30	
2,2-Dichloropropane 54.0 " 50.0 108 70-130 2.99 30 2-Butanone 30.1 " 50.0 60.2 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 48.4 " 50.0 96.8 70-130 1.10 30 2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30 120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@ Page 17 of 24	1,4-Dichlorobenzene	46.9	"	50.0		93.8	70-130		4.11	30	
2-Butanone 30.1 " 50.0 60.2 70-130 Low Bias 46.2 30 Non-dir. 2-Chlorotoluene 48.4 " 50.0 96.8 70-130 1.10 30 2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30 120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@ Page 17 of 24	2,2-Dichloropropane	54.0	"	50.0		108	70-130		2.99	30	
2-Chlorotoluene 48.4 " 50.0 96.8 70-130 1.10 30 2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30 120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@ Page 17 of 24	2-Butanone	30.1	"	50.0		60.2	70-130	Low Bias	46.2	30	Non-dir.
2-Hexanone 45.4 " 50.0 90.7 70-130 5.90 30 120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@ Page 17 of 24	2-Chlorotoluene	48.4	"	50.0		96.8	70-130		1.10	30	
120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418 www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@ Page 17 of 24	2-Hexanone	45.4	"	50.0		90.7	70-130		5.90	30	
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@ Page 17 of 24	120 RESEARCH DRIVE	STRATFORD. CT 066	15 ■	13	2-02 89th A\	/ENUE		RICHMOND	HILL. NY	11418	
	www.YORKLAB.com	(203) 325-1371	-	FA	X (203) 357	-0166		ClientService	s@ Pa	age 17	of 24



York Analytical Laboratories, Inc. - Stratford

	Reporting		Spike Source*		%REC		RPD			
Analyte	Result	Limit Units	Level	Result	%REC	Limits	Flag	RPD	Limit	Flag
Batch BC30995 - EPA 5035A										
LCS Dup (BC30995-BSD1)						Prep	ared & Anal	yzed: 03/15/2	2023	
4-Chlorotoluene	49.1	ug/L	50.0		98.2	70-130		4.41	30	
4-Methyl-2-pentanone	49.1	"	50.0		98.2	70-130		5.40	30	
Acetone	37.2	"	50.0		74.5	70-130		0.971	30	
Acrylonitrile	53.8	"	50.0		108	70-130		4.90	30	
Benzene	53.8	"	50.0		108	70-130		4.83	30	
Bromobenzene	48.5	"	50.0		97.0	70-130		3.57	30	
Bromochloromethane	53.8	"	50.0		108	70-130		0.0744	30	
Bromodichloromethane	47.9	"	50.0		95.8	70-130		2.62	30	
Bromoform	49.2	"	50.0		98.3	70-130		3.37	30	
Bromomethane	47.3	"	50.0		94.6	70-130		7.93	30	
Carbon disulfide	52.5	"	50.0		105	70-130		1.59	30	
Carbon tetrachloride	55.3	"	50.0		111	70-130		3.49	30	
Chlorobenzene	50.6	"	50.0		101	70-130		2.00	30	
Chloroethane	52.6	"	50.0		105	70-130		1.86	30	
Chloroform	53.2	"	50.0		106	70-130		4.40	30	
Chloromethane	44.4	"	50.0		88.8	70-130		3.98	30	
cis-1 2-Dichloroethylene	52.8	"	50.0		106	70-130		2.12	30	
cis-1 3-Dichloropropylene	47.4	"	50.0		94.9	70-130		3 50	30	
Dibromochloromethane	47.4	"	50.0		08.6	70 130		2.26	30	
Dibromomethane	49.5	"	50.0		05.2	70-130		3 72	30	
Dichlorodifluoromethane	47.0	"	50.0		95.2 70.6	70-130		0.312	30	
Ethyl Benzene	35.5 18 2	"	50.0		06.5	70-130		1.92	30	
Heyachlorobutadiene	40.5	"	50.0		90.5	70-130		1.72	30	
Isopropulhonzono	44.5		50.0		06.0	70-130		2 72	20	
Mothyl Mothaerylata	48.1		50.0		96.2	70-130		0.572	30	
Methyl tert butyl other (MTPE)	45.5		50.0		91.1	70-130		2 71	30	
Methylene obleride	52.8		50.0		100	70-130		2.25	20	
Neutritelene	52.1		50.0		104	/0-130		4.70	20	
Naphthalene	47.3		50.0		94.5	70-130		4.70	30	
n-Butylbenzene	48.7		50.0		97.4	70-130		3.28	30	
n-Propylbenzene	47.7	"	50.0		95.5	70-130		2.14	30	
o-Xylene	48.8		50.0		97.6	70-130		3.00	30	
p- & m- Xylenes	97.1		100		97.1	70-130		2.75	30	
p-Isopropyltoluene	48.0	"	50.0		96.0	70-130		3.15	30	
sec-Butylbenzene	48.3	"	50.0		96.7	70-130		3.43	30	
Styrene	46.5	"	50.0		93.0	70-130		3.19	30	
tert-Butylbenzene	47.5	"	50.0		95.0	70-130		1.25	30	
Tetrachloroethylene	39.7	"	50.0		79.4	70-130		2.42	30	
Tetrahydrofuran	49.6	"	50.0		99.1	70-130		9.16	30	
Toluene	47.7	"	50.0		95.3	70-130		2.44	30	
trans-1,2-Dichloroethylene	52.4	"	50.0		105	70-130		2.14	30	
trans-1,3-Dichloropropylene	46.7	"	50.0		93.4	70-130		3.42	30	
trans-1,4-dichloro-2-butene	49.1	"	50.0		98.1	70-130		4.44	30	
Trichloroethylene	47.6	"	50.0		95.3	70-130		3.57	30	
Trichlorofluoromethane	49.2	"	50.0		98.4	70-130		2.49	30	
Vinyl Chloride	46.8	"	50.0		93.6	70-130		0.171	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.4	"	50.0		103	70-130				
Surrogate: SURR: Toluene-d8	46.7	"	50.0		93.3	70-130				
Surrogate: SURR: p-Bromofluorobenzene	49.4	"	50.0		98.9	70-130				

STRATFORD, CT 06615 (203) 325-1371 132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@ Page 1

Page 18 of 24



Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

		Reporting	Spike	Source*		%REC			RPD	
Analyte	Result	Limit Units	Level	Result	%REC	Limits	Flag	RPD	Limit	Flag
Batch BC30959 - EPA 3546 ETPH										
Blank (BC30959-BLK1)						Prep	ared: 03/14/	2023 Analyz	ed: 03/15/2	2023
ETPH (Extractable Total Petroleum Hydrocarbons)	ND	39.6 mg/kg we	t							
Surrogate: 1-Chlorooctadecane	6.95	"	9.90		70.2	50-150				
LCS (BC30959-BS1)						Prep	ared: 03/14/	2023 Analyz	ed: 03/15/2	2023
ETPH (Extractable Total Petroleum Hydrocarbons)	54.0	39.6 mg/kg we	t 74.3		72.8	39.8-123				
Surrogate: 1-Chlorooctadecane	6.62	"	9.90		66.9	50-150				





Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC30981 - % Solids Prep											
Duplicate (BC30981-DUP1)	*Source sample: 230	C0776-02 (TE	E B-5 3.5-4	4 Ft)			Prepa	ared & Analy	/zed: 03/15/2	2023	
% Solids	91.2	0.100	%		91.1				0.0747	20	





Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23C0776-01	TE B-4 3.5-4 Ft	40mL Vial with Stir Bar-Cool 4° C
23C0776-02	TE B-5 3.5-4 Ft	40mL Vial with Stir Bar-Cool 4° C





Sample and Data Qualifiers Relating to This Work Order

- VOA-WT The sample weights were not provided by the sampler. The laboratory was directed to use 5.0 g, as the weight in the 5035 VOA vial. OL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature. **Definitions and Other Explanations** Analyte is not certified or the state of the samples origination does not offer certification for the Analyte. NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL) ND RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve. LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest LOO point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses. LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846. METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% MDL confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods. This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the Reported to LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only. NR Not reported RPD Relative Percent Difference Wet The data has been reported on an as-received (wet weight) basis Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias. High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take High Bias note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



120 Research Drive Stratford, CT 06615 132-02 85	York A Th Oth Ave Queens, NY 11418	Field C Analytical Laboratories, is document serves as Your 56 Church Hill Rd. #2 New	Inc. (YORK)'s Standard Te your written authorization for signature binds you to YOP town, CT 06470 clientservi	rms & Conditions are or YORK to proceed w RK's Standard Terms & ces@yorklab.com	y Record listed on the back side of this document. ith the analyses requested below. & Conditions. www.yorklab.com 800-306-YORK	$\frac{2}{2}\left(07\right)$ $\frac{2}{2}\left(07\right)$ $\frac{2}{2}\left(07\right)$ $\frac{2}{2}\left(07\right)$	6
YOUR Information	Repo	rt To:	Invoice	10:	FOOR FIDJect Number		
Address PU BOX 501	Company: Sum Address:	n	Company: Some Address:		TE23-007	RUSH - Next Day RUSH - Two Day	
Sust Lyme at					YOUR Project Name	RUSH - Three Day	
Phone :: 860705 8701	Phone .:		Phone.:		12000 18	RUSH - Four Day	_
Contact:	Contact:		Contact:		Old Lynne	RUSH - Five Day	_
E-mail:	E-mail:		E-mail:		YOUR PO#: Region 18	Standard (6-9 Da PFAS Standard is 7-	y) 10 Days
Please print clearly and legibly. All information	on must be complete.	Matrix Codes	Samples From	Report / E	DD Type (circle selections)	YORK Reg. Co	omp.
Samples will not be logged in and the turn-a begin until any questions by YORK are reso	round-time clock will not lved.	S - soil / solid GW - groundwater DW - drinking water WW - wastewater	New York New Jersey Connecticut Pennsylvania	Summary Report QA Report CMDP Standard Excel EDD	CT RCP EQUIS (Standard) CT RCP DQA/DUE NYSDEC EQUIS NJDEP Reduced NJDKQP Deliverables NJDEP SRP HazSite	Compared to the fol Regulation(s): (please	lowing ⊧ fill in)
Samples Collected by: (print AND	sign your name)	O - Oil Other	Other:	NY ASP B Package	Other:	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	L
Sample Identificati	ion	Sample Matrix	Date/Time Sampled	AA	nalyses Requested	Container Type	No.
TE B-4 3.5-4 TE B-5 3.5-	- 4'	<u>S</u> 	3/14 23 12:30	CIRI	+ 1 VOCJ 8260 + 1 VOCJ 8266		
				Preserva	ation: (check all that apply)	Special Instru	ction
need nosult H	nurs am	NG7 Samples iced/chilled at time of	of lab pickup? circle Yes or NO	HCI MeOH X	HNO3 H2SO4 NaOH c Acid Other: COO 1	Field Filtered Lab to Filter	
1. (Saitiglas Relinguistied by Company TUMPER 31/1	Date/Time	 Samples Received by / Co Samples Relinquished by / 	mpany Company	Date/Time Date/Time	 Samples Relinquished by / Company Samples Received by / Company 	Date/Time Date/Time	
2. Samples Received by / Company							
- 4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Co	mpany	Date/Time	Samples Received in LAB by	Date/Time Ter	nperature Degrees (

Page 24 of 24

Attachment B: School Drinking Water Results March 9, 2023 Sample



ANALYTICAL REPORT

Lab Number:	L2312399
Client:	White Water Inc. 41 Central St Auburn, MA 01501
ATTN: Phone:	Robert Wittenzellner (508) 888-3540
Project Name:	REGION 18
Project Number:	CT1050492
Report Date:	03/14/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Serial_No:03142314:58

 Lab Number:
 L2312399

 Report Date:
 03/14/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2312399-01	WELL #7 RAW	WATER	LOL HS	03/09/23 09:45	03/09/23
L2312399-02	P.O.E.	WATER	LOL HS	03/09/23 10:00	03/09/23

Project Name:REGION 18Project Number:CT1050492


Project Name: REGION 18 Project Number: CT1050492

 Lab Number:
 L2312399

 Report Date:
 03/14/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.



Project Name: REGION 18 Project Number: CT1050492

Lab Number: L2312399 Report Date: 03/14/23

Case Narrative (continued)

PAHs by SIM

L2312399-01, -02, WG1753108-1, and WG1753108-2/-3: The initial calibration utilized a quadratic fit for Benzo(a)anthracene.

The WG1753108-1 Method Blank, associated with L2312399-01 and -02, has concentrations above the reporting limits for Naphthalene, Benzo(a)anthracene, and Phenanthrene. Since the associated sample concentrations are non-detect to the RL for these target analytes, no corrective action is required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Elly Stendow Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative

Date: 03/14/23



ORGANICS



VOLATILES



			Serial_No:03142314:58				
Project Name:	REGION 18		Lab Number:	L2312399			
Project Number:	CT1050492		Report Date:	03/14/23			
		SAMPLE RESULTS					
Lab ID: Client ID: Sample Location:	L2312399-01 WELL #7 RAW LOL HS		Date Collected: Date Received: Field Prep:	03/09/23 09:45 03/09/23 Not Specified			
Sample Depth: Matrix: Analytical Method: Analytical Date: Analyst:	Water 16,524.2 03/10/23 17:48 GMT						

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	stborough Lab					
Dichlorodifluoromethane	ND		ug/l	0.50		1
Chloromethane	ND		ug/l	0.50		1
Vinyl chloride	ND		ug/l	0.50		1
Bromomethane	ND		ug/l	0.50		1
Chloroethane	ND		ug/l	0.50		1
Trichlorofluoromethane	ND		ug/l	0.50		1
1,1-Dichloroethene	ND		ug/l	0.50		1
Methylene chloride	ND		ug/l	0.50		1
Methyl tert butyl ether	ND		ug/l	0.50		1
trans-1,2-Dichloroethene	ND		ug/l	0.50		1
1,1-Dichloroethane	ND		ug/l	0.50		1
2,2-Dichloropropane	ND		ug/l	0.50		1
cis-1,2-Dichloroethene	ND		ug/l	0.50		1
Chloroform	ND		ug/l	0.50		1
Bromochloromethane	ND		ug/l	0.50		1
1,1,1-Trichloroethane	ND		ug/l	0.50		1
1,1-Dichloropropene	ND		ug/l	0.50		1
Carbon tetrachloride	ND		ug/l	0.50		1
1,2-Dichloroethane	ND		ug/l	0.50		1
Benzene	ND		ug/l	0.50		1
Trichloroethene	ND		ug/l	0.50		1
1,2-Dichloropropane	ND		ug/l	0.50		1
Bromodichloromethane	ND		ug/l	0.50		1
Dibromomethane	ND		ug/l	0.50		1
cis-1,3-Dichloropropene	ND		ug/l	0.50		1
Toluene	ND		ug/l	0.50		1
trans-1,3-Dichloropropene	ND		ug/l	0.50		1
1,1,2-Trichloroethane	ND		ug/l	0.50		1



Project Name:REGION 18Project Number:CT1050492

SAMPLE RESULTS

Lab ID:L2312399-01Client ID:WELL #7 RAWSample Location:LOL HS

 Serial_No:03142314:58

 Lab Number:
 L2312399

 Report Date:
 03/14/23

Date Collected: Date Received: Field Prep: 03/09/23 09:45 03/09/23 Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by GC/MS - Westb	orough Lab						
1,3-Dichloropropane	ND		ug/l	0.50		1	
Tetrachloroethene	ND		ug/l	0.50		1	
Dibromochloromethane	ND		ug/l	0.50		1	
1,2-Dibromoethane	ND		ug/l	0.50		1	
Chlorobenzene	ND		ug/l	0.50		1	
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50		1	
Ethylbenzene	ND		ug/l	0.50		1	
p/m-Xylene	ND		ug/l	0.50		1	
o-Xylene	ND		ug/l	0.50		1	
Styrene	ND		ug/l	0.50		1	
Isopropylbenzene	ND		ug/l	0.50		1	
Bromoform	ND		ug/l	0.50		1	
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50		1	
Xylenes, Total ¹	ND		ug/l	0.50		1	
1,2,3-Trichloropropane	ND		ug/l	0.50		1	
n-Propylbenzene	ND		ug/l	0.50		1	
Bromobenzene	ND		ug/l	0.50		1	
1,3,5-Trimethylbenzene	ND		ug/l	0.50		1	
o-Chlorotoluene	ND		ug/l	0.50		1	
p-Chlorotoluene	ND		ug/l	0.50		1	
tert-Butylbenzene	ND		ug/l	0.50		1	
1,2,4-Trimethylbenzene	ND		ug/l	0.50		1	
sec-Butylbenzene	ND		ug/l	0.50		1	
p-Isopropyltoluene	ND		ug/l	0.50		1	
1,3-Dichlorobenzene	ND		ug/l	0.50		1	
1,4-Dichlorobenzene	ND		ug/l	0.50		1	
n-Butylbenzene	ND		ug/l	0.50		1	
1,2-Dichlorobenzene	ND		ug/l	0.50		1	
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50		1	
1,2,4-Trichlorobenzene	ND		ug/l	0.50		1	
Hexachlorobutadiene	ND		ug/l	0.50		1	
Naphthalene	ND		ug/l	0.50		1	
1,2,3-Trichlorobenzene	ND		ug/l	0.50		1	



					Se	rial_No	0:03142314:58
Project Name:	REGION 18				Lab Num	ber:	L2312399
Project Number:	CT1050492				Report D	ate:	03/14/23
		SAMP	LE RESULT	S			
Lab ID:	L2312399-01				Date Collec	cted:	03/09/23 09:45
Client ID:	WELL #7 RAW				Date Recei	ived:	03/09/23
Sample Location:	LOL HS				Field Prep:		Not Specified
Sample Depth:							
Parameter		Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics b	by GC/MS - Westboroug	gh Lab					
Surrogate				% Recovery	Qualifier	Ac	ceptance Criteria
1,2-Dichlorobenze	ene-d4			101			80-120

89

4-Bromofluorobenzene



80-120

			Serial_No:03142314:58				
Project Name:	REGION 18		Lab Number:	L2312399			
Project Number:	CT1050492		Report Date:	03/14/23			
		SAMPLE RESULTS					
Lab ID: Client ID: Sample Location:	L2312399-02 P.O.E. LOL HS		Date Collected: Date Received: Field Prep:	03/09/23 10:00 03/09/23 Not Specified			
Sample Depth: Matrix: Analytical Method: Analytical Date: Analyst:	Water 16,524.2 03/10/23 18:16 GMT						

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	stborough Lab					
Dichlorodifluoromethane	ND		ug/l	0.50		1
Chloromethane	ND		ug/l	0.50		1
Vinyl chloride	ND		ug/l	0.50		1
Bromomethane	ND		ug/l	0.50		1
Chloroethane	ND		ug/l	0.50		1
Trichlorofluoromethane	ND		ug/l	0.50		1
1,1-Dichloroethene	ND		ug/l	0.50		1
Methylene chloride	ND		ug/l	0.50		1
Methyl tert butyl ether	ND		ug/l	0.50		1
trans-1,2-Dichloroethene	ND		ug/l	0.50		1
1,1-Dichloroethane	ND		ug/l	0.50		1
2,2-Dichloropropane	ND		ug/l	0.50		1
cis-1,2-Dichloroethene	ND		ug/l	0.50		1
Chloroform	ND		ug/l	0.50		1
Bromochloromethane	ND		ug/l	0.50		1
1,1,1-Trichloroethane	ND		ug/l	0.50		1
1,1-Dichloropropene	ND		ug/l	0.50		1
Carbon tetrachloride	ND		ug/l	0.50		1
1,2-Dichloroethane	ND		ug/l	0.50		1
Benzene	ND		ug/l	0.50		1
Trichloroethene	ND		ug/l	0.50		1
1,2-Dichloropropane	ND		ug/l	0.50		1
Bromodichloromethane	ND		ug/l	0.50		1
Dibromomethane	ND		ug/l	0.50		1
cis-1,3-Dichloropropene	ND		ug/l	0.50		1
Toluene	ND		ug/l	0.50		1
trans-1,3-Dichloropropene	ND		ug/l	0.50		1
1,1,2-Trichloroethane	ND		ug/l	0.50		1



Project Name:REGION 18Project Number:CT1050492

Serial_No:03142314:58
Lab Number: L2312399
Report Date: 03/14/23

Lab ID:L2312399-02Client ID:P.O.E.Sample Location:LOL HS

Date Collected: Date Received: Field Prep: 03/09/23 10:00 03/09/23 Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	stborough Lab					
1,3-Dichloropropane	ND		ug/l	0.50		1
Tetrachloroethene	ND		ug/l	0.50		1
Dibromochloromethane	0.86		ug/l	0.50		1
1,2-Dibromoethane	ND		ug/l	0.50		1
Chlorobenzene	ND		ug/l	0.50		1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50		1
Ethylbenzene	ND		ug/l	0.50		1
p/m-Xylene	ND		ug/l	0.50		1
o-Xylene	ND		ug/l	0.50		1
Styrene	ND		ug/l	0.50		1
Isopropylbenzene	ND		ug/l	0.50		1
Bromoform	1.3		ug/l	0.50		1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50		1
Xylenes, Total ¹	ND		ug/l	0.50		1
1,2,3-Trichloropropane	ND		ug/l	0.50		1
n-Propylbenzene	ND		ug/l	0.50		1
Bromobenzene	ND		ug/l	0.50		1
1,3,5-Trimethylbenzene	ND		ug/l	0.50		1
o-Chlorotoluene	ND		ug/l	0.50		1
p-Chlorotoluene	ND		ug/l	0.50		1
tert-Butylbenzene	ND		ug/l	0.50		1
1,2,4-Trimethylbenzene	ND		ug/l	0.50		1
sec-Butylbenzene	ND		ug/l	0.50		1
p-Isopropyltoluene	ND		ug/l	0.50		1
1,3-Dichlorobenzene	ND		ug/l	0.50		1
1,4-Dichlorobenzene	ND		ug/l	0.50		1
n-Butylbenzene	ND		ug/l	0.50		1
1,2-Dichlorobenzene	ND		ug/l	0.50		1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50		1
1,2,4-Trichlorobenzene	ND		ug/l	0.50		1
Hexachlorobutadiene	ND		ug/l	0.50		1
Naphthalene	ND		ug/l	0.50		1
1,2,3-Trichlorobenzene	ND		ug/l	0.50		1

SAMPLE RESULTS



Serial_No:03142314:58					0:03142314:58		
Project Name:	REGION 18				Lab Num	ber:	L2312399
Project Number:	CT1050492				Report Da	ate:	03/14/23
		SAMP	LE RESULT	S			
Lab ID:	L2312399-02				Date Collec	cted:	03/09/23 10:00
Client ID:	P.O.E.				Date Recei	ved:	03/09/23
Sample Location:	LOL HS				Field Prep:		Not Specified
Sample Depth:							
Parameter		Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics b	oy GC/MS - Westborou	gh Lab					
						•	
Surrogate				% Recovery	Qualifier	ACC (Criteria
1,2-Dichlorobenze	ene-d4			99			80-120

85

4-Bromofluorobenzene



80-120

 Lab Number:
 L2312399

 Report Date:
 03/14/23

Project Name:REGION 18Project Number:CT1050492

Method Blank Analysis Batch Quality Control

Analytical Method:16,524.2Analytical Date:03/10/23 15:53Analyst:GMT

Parameter	Result	Qualifier Units	RL	MDL	
Volatile Organics by GC/MS -	· Westborough Lab	o for sample(s):	01-02 Batch:	WG1754450-4	
Dichlorodifluoromethane	ND	ug/l	0.50		
Chloromethane	ND	ug/l	0.50		
Vinyl chloride	ND	ug/l	0.50		
Bromomethane	ND	ug/l	0.50		
Chloroethane	ND	ug/l	0.50		
Trichlorofluoromethane	ND	ug/l	0.50		
1,1-Dichloroethene	ND	ug/l	0.50		
Methylene chloride	ND	ug/l	0.50		
Methyl tert butyl ether	ND	ug/l	0.50		
trans-1,2-Dichloroethene	ND	ug/l	0.50		
1,1-Dichloroethane	ND	ug/l	0.50		
2,2-Dichloropropane	ND	ug/l	0.50		
cis-1,2-Dichloroethene	ND	ug/l	0.50		
Chloroform	ND	ug/l	0.50		
Bromochloromethane	ND	ug/l	0.50		
1,1,1-Trichloroethane	ND	ug/l	0.50		
1,1-Dichloropropene	ND	ug/l	0.50		
Carbon tetrachloride	ND	ug/l	0.50		
1,2-Dichloroethane	ND	ug/l	0.50		
Benzene	ND	ug/l	0.50		
Trichloroethene	ND	ug/l	0.50		
1,2-Dichloropropane	ND	ug/l	0.50		
Bromodichloromethane	ND	ug/l	0.50		
Dibromomethane	ND	ug/l	0.50		
cis-1,3-Dichloropropene	ND	ug/l	0.50		
Toluene	ND	ug/l	0.50		
trans-1,3-Dichloropropene	ND	ug/l	0.50		
1,1,2-Trichloroethane	ND	ug/l	0.50		
1,3-Dichloropropane	ND	ug/l	0.50		



 Lab Number:
 L2312399

 Report Date:
 03/14/23

Project Name:REGION 18Project Number:CT1050492

Method Blank Analysis Batch Quality Control

Analytical Method:16,524.2Analytical Date:03/10/23 15:53Analyst:GMT

Parameter	Result	Qualifier	Units		RL	MDL
Volatile Organics by GC/MS -	Westborough Lab	for sampl	e(s):	01-02	Batch:	WG1754450-4
Tetrachloroethene	ND		ug/l		0.50	
Dibromochloromethane	ND		ug/l		0.50	
1,2-Dibromoethane	ND		ug/l		0.50	
Chlorobenzene	ND		ug/l		0.50	
1,1,1,2-Tetrachloroethane	ND		ug/l		0.50	
Ethylbenzene	ND		ug/l		0.50	
p/m-Xylene	ND		ug/l		0.50	
o-Xylene	ND		ug/l		0.50	
Xylenes, Total ¹	ND		ug/l		0.50	
Styrene	ND		ug/l		0.50	
Isopropylbenzene	ND		ug/l		0.50	
Bromoform	ND		ug/l		0.50	
1,1,2,2-Tetrachloroethane	ND		ug/l		0.50	
1,2,3-Trichloropropane	ND		ug/l		0.50	
n-Propylbenzene	ND		ug/l		0.50	
Bromobenzene	ND		ug/l		0.50	
1,3,5-Trimethylbenzene	ND		ug/l		0.50	
o-Chlorotoluene	ND		ug/l		0.50	
p-Chlorotoluene	ND		ug/l		0.50	
tert-Butylbenzene	ND		ug/l		0.50	
1,2,4-Trimethylbenzene	ND		ug/l		0.50	
sec-Butylbenzene	ND		ug/l		0.50	
p-Isopropyltoluene	ND		ug/l		0.50	
1,3-Dichlorobenzene	ND		ug/l		0.50	
1,4-Dichlorobenzene	ND		ug/l		0.50	
n-Butylbenzene	ND		ug/l		0.50	
1,2-Dichlorobenzene	ND		ug/l		0.50	
1,2-Dibromo-3-chloropropane	ND		ug/l		0.50	
1,2,4-Trichlorobenzene	ND		ug/l		0.50	



 Lab Number:
 L2312399

 Report Date:
 03/14/23

Project Name:REGION 18Project Number:CT1050492

Method Blank Analysis Batch Quality Control

Analytical Method:16,524.2Analytical Date:03/10/23 15:53Analyst:GMT

Parameter	Result	Qualifier Ur	nits	RL	MDL
Volatile Organics by GC/MS - West	borough Lat	o for sample(s	s): 01-02	Batch:	WG1754450-4
Hexachlorobutadiene	ND	ι	ug/l	0.50	
Naphthalene	ND	ι	ug/l	0.50	
1,2,3-Trichlorobenzene	ND	ι	ug/l	0.50	

		A	Acceptance	
Surrogate	%Recovery	Qualifier	Criteria	
	404		00.400	
1,2-Dichlorobenzene-a4	101		80-120	
4-Bromofluorobenzene	88		80-120	



Lab Control Sample Analysis

Batch Quality Control

Lab Number: L2312399 Report Date: 03/14/23

LCSD LCS %Recovery RPD %Recovery RPD %Recovery Limits Limits Parameter Qual Qual Qual Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1754450-3 Dichlorodifluoromethane 70-130 20 95 --105 Chloromethane 70-130 20 --Vinyl chloride 108 70-130 20 --Bromomethane 100 70-130 20 --Chloroethane 110 70-130 20 --Trichlorofluoromethane 102 70-130 20 --92 70-130 20 1.1-Dichloroethene --Methylene chloride 105 70-130 20 --Methyl tert butyl ether 102 70-130 20 -trans-1,2-Dichloroethene 98 70-130 20 --20 1,1-Dichloroethane 105 70-130 --20 2,2-Dichloropropane 98 70-130 -cis-1,2-Dichloroethene 100 70-130 20 --70-130 20 Chloroform 100 --Bromochloromethane 102 70-130 20 --1,1,1-Trichloroethane 92 70-130 20 --1,1-Dichloropropene 95 70-130 20 --Carbon tetrachloride 70-130 20 92 --70-130 20 1,2-Dichloroethane 100 --Benzene 98 70-130 20 --Trichloroethene 90 70-130 20 --20 1,2-Dichloropropane 100 70-130 --20 Bromodichloromethane 90 70-130 --



Lab Control Sample Analysis

Batch Quality Control

Lab Number: L2312399 Report Date: 03/14/23

LCSD LCS %Recovery RPD %Recovery RPD %Recovery Limits Limits Parameter Qual Qual Qual Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1754450-3 Dibromomethane 102 70-130 20 -cis-1,3-Dichloropropene 90 70-130 20 --Toluene 92 70-130 20 -trans-1,3-Dichloropropene 88 70-130 20 --100 70-130 20 1,1,2-Trichloroethane --1,3-Dichloropropane 105 70-130 20 --Tetrachloroethene 95 70-130 20 --Dibromochloromethane 92 70-130 20 --1,2-Dibromoethane 98 70-130 20 --20 Chlorobenzene 98 70-130 --20 1,1,1,2-Tetrachloroethane 95 70-130 --20 Ethylbenzene 92 70-130 -p/m-Xylene 94 70-130 20 --70-130 20 o-Xylene 92 --Styrene 90 70-130 20 --Isopropylbenzene 90 70-130 20 --Bromoform 95 70-130 20 --1,1,2,2-Tetrachloroethane 70-130 20 100 --70-130 20 1,2,3-Trichloropropane 102 -n-Propylbenzene 95 70-130 20 --Bromobenzene 98 70-130 20 --70-130 20 1,3,5-Trimethylbenzene 95 --20 o-Chlorotoluene 90 70-130 --



Lab Control Sample Analysis Batch Quality Control

Project Name: REGION 18 Project Number: CT1050492

Lab Number: L2312399 03/14/23

Report Date:

	LCS		LCSD		%Recovery			RPD	
Parameter	%Recovery	Qual	%Recovery	/ Qual	Limits	RPD	Qual	Limits	
Volatile Organics by GC/MS - Westborough L	ab Associated	sample(s):	01-02 Batch:	WG1754450-3	3				
p-Chlorotoluene	90		-		70-130	-		20	
tert-Butylbenzene	85		-		70-130	-		20	
1,2,4-Trimethylbenzene	95		-		70-130	-		20	
sec-Butylbenzene	95		-		70-130	-		20	
p-Isopropyltoluene	98		-		70-130	-		20	
1,3-Dichlorobenzene	90		-		70-130	-		20	
1,4-Dichlorobenzene	98		-		70-130	-		20	
n-Butylbenzene	98		-		70-130	-		20	
1,2-Dichlorobenzene	95		-		70-130	-		20	
1,2-Dibromo-3-chloropropane	85		-		70-130	-		20	
1,2,4-Trichlorobenzene	100		-		70-130	-		20	
Hexachlorobutadiene	120		-		70-130	-		20	
Naphthalene	98		-		70-130	-		20	
1,2,3-Trichlorobenzene	102		-		70-130	-		20	

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichlorobenzene-d4 4-Bromofluorobenzene	99 99				80-120 80-120



Matrix Spike Analysis

Project Name:	REGION 18	Batch Quality Control
Project Number:	CT1050492	

Lab Number:	L2312399
Report Date:	03/14/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	v Qual	MSD Found	MSD %Recove	ery Qual	Recovery Limits	RPD	RPD Qual Limits
Volatile Organics by GC/M	S - Westborough	Lab Asso	ciated sample(s): 01-02 Q	C Batch ID:	WG17544	450-6 QC	Sample:	L2312144-01	Clier	nt ID: MS Sample
Dichlorodifluoromethane	ND	4	3.8	95		-	-		70-130	-	20
Chloromethane	ND	4	4.3	108		-	-		70-130	-	20
Vinyl chloride	ND	4	5.1	128		-	-		70-130	-	20
Bromomethane	ND	4	4.2	105		-	-		70-130	-	20
Chloroethane	ND	4	4.5	113		-	-		70-130	-	20
Trichlorofluoromethane	ND	4	4.6	115		-	-		70-130	-	20
1,1-Dichloroethene	ND	4	4.3	108		-	-		70-130	-	20
Methylene chloride	ND	4	4.2	105		-	-		70-130	-	20
Methyl tert butyl ether	ND	4	4.1	103		-	-		70-130	-	20
trans-1,2-Dichloroethene	ND	4	4.0	100		-	-		70-130	-	20
1,1-Dichloroethane	ND	4	4.3	108		-	-		70-130	-	20
2,2-Dichloropropane	ND	4	3.4	85		-	-		70-130	-	20
cis-1,2-Dichloroethene	ND	4	3.9	98		-	-		70-130	-	20
Chloroform	ND	4	4.1	103		-	-		70-130	-	20
Bromochloromethane	ND	4	3.8	95		-	-		70-130	-	20
1,1,1-Trichloroethane	ND	4	3.8	95		-	-		70-130	-	20
1,1-Dichloropropene	ND	4	3.9	98		-	-		70-130	-	20
Carbon tetrachloride	ND	4	3.9	98		-	-		70-130	-	20
1,2-Dichloroethane	ND	4	3.8	95		-	-		70-130	-	20
Benzene	ND	4	4.0	100		-	-		70-130	-	20
Trichloroethene	ND	4	4.0	100		-	-		70-130	-	20
1,2-Dichloropropane	ND	4	4.1	103		-	-		70-130	-	20
Bromodichloromethane	ND	4	3.8	95		-	-		70-130	-	20
Dibromomethane	ND	4	4.0	100		-	-		70-130	-	20



Matrix Spike Analysis

Project Name:	REGION 18	Batch Quality Control
Project Number:	CT1050492	

Volatile Organics by GC/MS - V cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane 1,3-Dichloropropane Tetrachloroethene Dibromochloromethane 1,2-Dibromoethane (hlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	Westborough ND ND ND ND ND ND	Lab Asso 4 4 4 4 4 4 4 4	ciated sample(3.4 3.7 3.6 4.1 3.9	(s): 01-02 Q 85 92 90 103 98	C Batch ID:	WG17544 - - - -	450-6 QC - - - -	Sample: I	L2312144-01 70-130 70-130 70-130 70-130	Clien - - -	it ID: MS	S Sample 20 20 20
cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane 1,3-Dichloropropane Tetrachloroethene Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND ND ND ND ND ND	4 4 4 4 4 4 4	3.4 3.7 3.6 4.1 3.9	85 92 90 103 98		• • •	- - - -		70-130 70-130 70-130 70-130	- - -		20 20 20
Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane 1,3-Dichloropropane Tetrachloroethene Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND ND ND ND ND	4 4 4 4 4	3.7 3.6 4.1 3.9	92 90 103 98		-			70-130 70-130 70-130	-		20 20
trans-1,3-Dichloropropene 1,1,2-Trichloroethane 1,3-Dichloropropane Tetrachloroethene Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND ND ND ND	4 4 4 4	3.6 4.1 3.9	90 103 98		-	-		70-130 70-130	-		20
1,1,2-Trichloroethane 1,3-Dichloropropane Tetrachloroethene Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND ND ND	4 4 4	4.1 3.9	103 98		-	-		70-130	-		
1,3-Dichloropropane Tetrachloroethene Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND ND	4	3.9	98								20
Tetrachloroethene Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND	4				-	-		70-130	-		20
Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND		4.3	108		-	-		70-130	-		20
1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND	4	3.7	92		-	-		70-130	-		20
Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND	4	4.0	100		-	-		70-130	-		20
1,1,1,2-Tetrachloroethane Ethylbenzene p/m-Xylene o-Xylene Styrene	ND	4	3.9	98		-	-		70-130	-		20
Ethylbenzene p/m-Xylene o-Xylene Styrene	ND	4	4.1	103		-	-		70-130	-		20
p/m-Xylene o-Xylene Styrene	ND	4	3.8	95		-	-		70-130	-		20
o-Xylene Styrene	ND	8	7.5	94		-	-		70-130	-		20
Styrene	ND	4	3.7	92		-	-		70-130	-		20
	ND	4	3.8	95		-	-		70-130	-		20
Isopropylbenzene	ND	4	3.8	95		-	-		70-130	-		20
Bromoform	ND	4	3.9	98		-	-		70-130	-		20
1,1,2,2-Tetrachloroethane	ND	4	4.2	105		-	-		70-130	-		20
1,2,3-Trichloropropane	ND	4	4.0	100		-	-		70-130	-		20
n-Propylbenzene	ND	4	3.9	98		-	-		70-130	-		20
Bromobenzene	ND	4	3.8	95		-	-		70-130	-		20
1,3,5-Trimethylbenzene	ND	4	3.9	98		-	-		70-130	-		20
o-Chlorotoluene	ND	4	3.9	98		-	-		70-130	-		20
p-Chlorotoluene	ND	4	3.9	98		-	-		70-130	-		20
tert-Butylbenzene	ND	4	3.6	90		-	-		70-130	-		20



Matrix Spike Analysis

Project Name:	REGION 18	Batch Quality Control	Lab Number:	L2312399
Project Number:	CT1050492		Report Date:	03/14/23

Paramotor	Native Sample	MS ∆dded	MS Found	MS %Recovery	v Qual	MSD Found	MSD %Recoverv	Qual	Recovery Limits	PPD	Qual	RPD Limits
1 di difficici	Cumpic 7	luucu	round	///////////////////////////////////////	Quui	round	/mccoorcry	Quui	Liinto		quui	Linits
Volatile Organics by GC/MS -	· Westborough La	ab Assoc	iated sample(s): 01-02 Q	C Batch ID:	WG17544	450-6 QC S	ample: L	2312144-01	Clien	t ID: MS	S Sample
1,2,4-Trimethylbenzene	ND	4	4.0	100		-	-		70-130	-		20
sec-Butylbenzene	ND	4	4.0	100		-	-		70-130	-		20
p-Isopropyltoluene	ND	4	3.9	98		-	-		70-130	-		20
1,3-Dichlorobenzene	ND	4	3.7	92		-	-		70-130	-		20
1,4-Dichlorobenzene	ND	4	4.0	100		-	-		70-130	-		20
n-Butylbenzene	ND	4	3.9	98		-	-		70-130	-		20
1,2-Dichlorobenzene	ND	4	3.9	98		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	4	3.5	88		-	-		70-130	-		20
1,2,4-Trichlorobenzene	ND	4	3.8	95		-	-		70-130	-		20
Hexachlorobutadiene	ND	4	4.9	123		-	-		70-130	-		20
Naphthalene	ND	4	3.8	95		-	-		70-130	-		20
1,2,3-Trichlorobenzene	ND	4	4.0	100		-	-		70-130	-		20

	MS	MSD	Acceptance
Surrogate	% Recovery Qualifier	% Recovery Qualifier	Criteria
1,2-Dichlorobenzene-d4	99		80-120
4-Bromofluorobenzene	98		80-120



Lab Duplicate Analysis Batch Quality Control

Project Name: **REGION 18** Project Number: CT1050492

Lab Number: L2312399 Report Date: 03/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Volatile Organics by GC/MS - Westborough Lab Sample	Associated sample(s): 01-02	QC Batch ID: WG	61754450-5	QC Sample:	L2312143-01	Client ID:	DUP
Dichlorodifluoromethane	ND	ND	ug/l	NC		20	
Chloromethane	ND	ND	ug/l	NC		20	
Vinyl chloride	ND	ND	ug/l	NC		20	
Bromomethane	ND	ND	ug/l	NC		20	
Chloroethane	ND	ND	ug/l	NC		20	
Trichlorofluoromethane	ND	ND	ug/l	NC		20	
1,1-Dichloroethene	ND	ND	ug/l	NC		20	
Methylene chloride	ND	ND	ug/l	NC		20	
Methyl tert butyl ether	ND	ND	ug/l	NC		20	
trans-1,2-Dichloroethene	ND	ND	ug/l	NC		20	
1,1-Dichloroethane	ND	ND	ug/l	NC		20	
2,2-Dichloropropane	ND	ND	ug/l	NC		20	
cis-1,2-Dichloroethene	ND	ND	ug/l	NC		20	
Chloroform	0.67	0.64	ug/l	5		20	
Bromochloromethane	ND	ND	ug/l	NC		20	
1,1,1-Trichloroethane	ND	ND	ug/l	NC		20	
1,1-Dichloropropene	ND	ND	ug/l	NC		20	
Carbon tetrachloride	ND	ND	ug/l	NC		20	
1,2-Dichloroethane	ND	ND	ug/l	NC		20	
Benzene	ND	ND	ug/l	NC		20	
Trichloroethene	ND	ND	ug/l	NC		20	



Lab Duplicate Analysis Batch Quality Control

Project Name: **REGION 18** Project Number: CT1050492

Lab Number: L2312399 03/14/23 Report Date:

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Volatile Organics by GC/MS - Westborough Lab Sample	Associated sample(s): 01-02	2 QC Batch ID: WG1	754450-5	QC Sample:	L2312143-01	Client ID:	DUP
1,2-Dichloropropane	ND	ND	ug/l	NC		20	
Bromodichloromethane	ND	ND	ug/l	NC		20	
Dibromomethane	ND	ND	ug/l	NC		20	
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		20	
Toluene	ND	ND	ug/l	NC		20	
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		20	
1,1,2-Trichloroethane	ND	ND	ug/l	NC		20	
1,3-Dichloropropane	ND	ND	ug/l	NC		20	
Tetrachloroethene	ND	ND	ug/l	NC		20	
Dibromochloromethane	ND	ND	ug/l	NC		20	
1,2-Dibromoethane	ND	ND	ug/l	NC		20	
Chlorobenzene	ND	ND	ug/l	NC		20	
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC		20	
Ethylbenzene	ND	ND	ug/l	NC		20	
p/m-Xylene	ND	ND	ug/l	NC		20	
o-Xylene	ND	ND	ug/l	NC		20	
Styrene	ND	ND	ug/l	NC		20	
Isopropylbenzene	ND	ND	ug/l	NC		20	
Bromoform	ND	ND	ug/l	NC		20	
Xylene (Total) ¹	ND	ND	ug/l	NC		20	
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		20	



Lab Duplicate Analysis Batch Quality Control

Project Name:REGION 18Project Number:CT1050492

Lab Number:

Parameter	Native Sample	Duplicate Samp	le Units	RPD	R Qual Li	PD imits
Volatile Organics by GC/MS - Westborough Lab Sample	Associated sample(s): 07	1-02 QC Batch ID: V	VG1754450-5	QC Sample:	L2312143-01 CI	ient ID: DUP
1,2,3-Trichloropropane	ND	ND	ug/l	NC		20
1,3-Dichloropropene, Total	ND	ND	ug/l	NC		20
Trihalomethanes, Total	0.67	0.64	ug/l	5		20
n-Propylbenzene	ND	ND	ug/l	NC		20
Bromobenzene	ND	ND	ug/l	NC		20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC		20
o-Chlorotoluene	ND	ND	ug/l	NC		20
p-Chlorotoluene	ND	ND	ug/l	NC		20
tert-Butylbenzene	ND	ND	ug/l	NC		20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC		20
sec-Butylbenzene	ND	ND	ug/l	NC		20
p-Isopropyltoluene	ND	ND	ug/l	NC		20
1,3-Dichlorobenzene	ND	ND	ug/l	NC		20
1,4-Dichlorobenzene	ND	ND	ug/l	NC		20
n-Butylbenzene	ND	ND	ug/l	NC		20
1,2-Dichlorobenzene	ND	ND	ug/l	NC		20
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC		20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		20
Hexachlorobutadiene	ND	ND	ug/l	NC		20
Naphthalene	ND	ND	ug/l	NC		20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC		20



80-120

Project Name: Project Number:	Lab Duplic Batch Qu	alysis trol		Lab Number: Report Date:					
Parameter		Native Sample	Duplicate S	ample	Units	RPD	Qual	RPD Limits	
Volatile Organics by GC/ Sample	/MS - Westborough La	ab Associated sample(s): 01-	-02 QC Batch	D: WG17	754450-5 C	C Sample:	L2312143-01	Client ID:	DUP
Surrogate			%Recovery	Qualifier	%Recovery	v Qualifier	Acceptance Criteria		
1,2-Dichlorobenzer	ne-d4		98		111		80-120		

92

91



4-Bromofluorobenzene

SEMIVOLATILES



			Serial_No:03142314:58			
Project Name:	REGION 18		Lab Number:	L2312399		
Project Number:	CT1050492		Report Date:	03/14/23		
		SAMPLE RESULTS				
Lab ID: Client ID: Sample Location:	L2312399-01 WELL #7 RAW LOL HS		Date Collected: Date Received: Field Prep:	03/09/23 09:45 03/09/23 Not Specified		
Sample Depth: Matrix: Analytical Method: Analytical Date: Analyst:	Water 79,8270E-SIM 03/11/23 16:03 JJW		Extraction Method: Extraction Date:	EPA 3510C 03/10/23 04:18		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP PAHs by SIM - Westbor	ough Lab					
Acenaphthene	ND		ug/l	0.10		1
Fluoranthene	ND		ug/l	0.10		1
Naphthalene	ND		ug/l	0.10		1
Benzo(a)anthracene	ND		ug/l	0.05		1
Benzo(a)pyrene	ND		ug/l	0.10		1
Benzo(b)fluoranthene	ND		ug/l	0.05		1
Benzo(k)fluoranthene	ND		ug/l	0.10		1
Chrysene	ND		ug/l	0.10		1
Acenaphthylene	ND		ug/l	0.10		1
Anthracene	ND		ug/l	0.10		1
Benzo(ghi)perylene	ND		ug/l	0.10		1
Fluorene	ND		ug/l	0.10		1
Phenanthrene	ND		ug/l	0.05		1
Dibenzo(a,h)anthracene	ND		ug/l	0.10		1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10		1
Pyrene	ND		ug/l	0.10		1
2-Methylnaphthalene	ND		ug/l	0.10		1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
Nitrobenzene-d5	112	30-130	
2-Fluorobiphenyl	94	30-130	
4-Terphenyl-d14	86	30-130	



			Serial_No:03142314:58			
Project Name:	REGION 18		Lab Number:	L2312399		
Project Number:	CT1050492		Report Date:	03/14/23		
		SAMPLE RESULTS				
Lab ID:	L2312399-02		Date Collected:	03/09/23 10:00		
Client ID:	P.O.E.		Date Received:	03/09/23		
Sample Location:	LOL HS		Field Prep:	Not Specified		
Sample Depth:						
Matrix:	Water		Extraction Method:	EPA 3510C		
Analytical Method:	79,8270E-SIM		Extraction Date:	03/10/23 04:18		
Analytical Date:	03/11/23 16:19					
Analyst:	JJW					

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP PAHs by SIM - Westborough L	ab					
Acenaphthene	ND		ug/l	0.10		1
Fluoranthene	ND		ug/l	0.10		1
Naphthalene	ND		ug/l	0.10		1
Benzo(a)anthracene	ND		ug/l	0.05		1
Benzo(a)pyrene	ND		ug/l	0.10		1
Benzo(b)fluoranthene	ND		ug/l	0.05		1
Benzo(k)fluoranthene	ND		ug/l	0.10		1
Chrysene	ND		ug/l	0.10		1
Acenaphthylene	ND		ug/l	0.10		1
Anthracene	ND		ug/l	0.10		1
Benzo(ghi)perylene	ND		ug/l	0.10		1
Fluorene	ND		ug/l	0.10		1
Phenanthrene	ND		ug/l	0.05		1
Dibenzo(a,h)anthracene	ND		ug/l	0.10		1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10		1
Pyrene	ND		ug/l	0.10		1
2-Methylnaphthalene	ND		ug/l	0.10		1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
Nitrobenzene-d5	93	30-130	
2-Fluorobiphenyl	83	30-130	
4-Terphenyl-d14	86	30-130	



Project Name:REGION 18Project Number:CT1050492

 Lab Number:
 L2312399

 Report Date:
 03/14/23

Method Blank Analysis Batch Quality Control

Analytical Method:	79,8270E-SIM	Extraction Method:	EPA 3510C
Analytical Date:	03/11/23 15:47	Extraction Date:	03/10/23 04:18
Analyst:	JJW		

Parameter	Result	Qualifier	Units	RL	MDL	
CT RCP Semivolatile Organics by	SIM - Westbo	orough Lab	for sample	(s): 01-02	Batch:	WG1753108-1
Acenaphthene	ND		ug/l	0.10		
Fluoranthene	ND		ug/l	0.10		
Naphthalene	0.30		ug/l	0.10		
Benzo(a)anthracene	0.06		ug/l	0.05		
Benzo(a)pyrene	ND		ug/l	0.10		
Benzo(b)fluoranthene	ND		ug/l	0.05		
Benzo(k)fluoranthene	ND		ug/l	0.10		
Chrysene	ND		ug/l	0.10		
Acenaphthylene	ND		ug/l	0.10		
Anthracene	ND		ug/l	0.10		
Benzo(ghi)perylene	ND		ug/l	0.10		
Fluorene	ND		ug/l	0.10		
Phenanthrene	0.09		ug/l	0.05		
Dibenzo(a,h)anthracene	ND		ug/l	0.10		
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10		
Pyrene	ND		ug/l	0.10		
2-Methylnaphthalene	ND		ug/l	0.10		

		Α	cceptance	
Surrogate	%Recovery	Qualifier	Criteria	
Nitrobenzene-d5	112		30-130	
2-Fluorobiphenyl	95		30-130	
4-Terphenyl-d14	96		30-130	



Lab Control Sample Analysis Batch Quality Control

Project Name: REGION 18 Project Number: CT1050492

Lab Number: L2312399 Report Date: 03/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
CT RCP Semivolatile Organics by SIM - We	estborough Lab	Associated sam	ple(s): 01-02	Batch: W	VG1753108-2 WG ²	1753108-3			
Acenaphthene	91		82		40-140	10		20	
Fluoranthene	100		95		40-140	5		20	
Naphthalene	86		78		40-140	10		20	
Benzo(a)anthracene	102		94		40-140	8		20	
Benzo(a)pyrene	107		99		40-140	8		20	
Benzo(b)fluoranthene	102		100		40-140	2		20	
Benzo(k)fluoranthene	108		103		40-140	5		20	
Chrysene	91		83		40-140	9		20	
Acenaphthylene	100		89		40-140	12		20	
Anthracene	100		92		40-140	8		20	
Benzo(ghi)perylene	94		90		40-140	4		20	
Fluorene	100		90		40-140	11		20	
Phenanthrene	90		83		40-140	8		20	
Dibenzo(a,h)anthracene	102		98		40-140	4		20	
Indeno(1,2,3-cd)pyrene	107		103		40-140	4		20	
Pyrene	97		92		40-140	5		20	
2-Methylnaphthalene	89		80		40-140	11		20	



Lab Control Sample Analysis Batch Quality Control

Project Name:REGION 18Project Number:CT1050492

 Lab Number:
 L2312399

 Report Date:
 03/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recover Limits	y RPD	Qual	RPD Limits	
CT RCP Semivolatile Organics by SIM - V	Vestborough Lab A	ssociated sar	mple(s): 01-02	Batch:	WG1753108-2	WG1753108-3			

Surrogate	LCS %Recovery Qu	LCSD al %Recovery Qual	Acceptance Criteria
Nitrobenzene-d5	114	105	30-130
2-Fluorobiphenyl	92	83	30-130
4-Terphenyl-d14	102	95	30-130



PETROLEUM HYDROCARBONS



			Serial_No:	03142314:58
Project Name:	REGION 18		Lab Number:	L2312399
Project Number:	CT1050492		Report Date:	03/14/23
		SAMPLE RESULTS		
Lab ID:	L2312399-01		Date Collected:	03/09/23 09:45
Client ID:	WELL #7 RAW		Date Received:	03/09/23
Sample Location:	LOL HS		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	11,3-99		Extraction Date:	03/10/23 18:57
Analytical Date:	03/11/23 17:44			
Analyst:	ALL			
-				

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Extractable Petroleum Hydrocarbons -	Westborough Lat	D					
ETPH-CT	ND		ug/l	200		1	
Surrogate			% Recovery	Qualifier	Acc C	eptance riteria	
o-Terphenyl			61			50-150	



			Serial_No:	03142314:58
Project Name:	REGION 18		Lab Number:	L2312399
Project Number:	CT1050492		Report Date:	03/14/23
		SAMPLE RESULTS		
Lab ID:	L2312399-02		Date Collected:	03/09/23 10:00
Client ID:	P.O.E.		Date Received:	03/09/23
Sample Location:	LOL HS		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	11,3-99		Extraction Date:	03/10/23 18:57
Analytical Date:	03/11/23 17:09			
Analyst:	ALL			
-				

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Extractable Petroleum Hydrocarbons - V	Vestborough La	b					
ETPH-CT	ND		ug/l	200		1	
Surrogate			% Recovery	Qualifier	Acc C	eptance riteria	
o-Terphenyl			51			50-150	



Serial_No:03142314:58

Project Name: Project Number:	REGION 18 CT1050492	Metho Bate	od Blank ch Quality	Analysis Control	L	.ab Number: Report Date:	L2312399 03/14/23	9
Analytical Method: Analytical Date: Analyst:	11,3-99 03/11/23 14:50 ALL				E	Extraction Method Extraction Date:	: EPA 35 03/10/23	10C 3 18:57
Parameter		Result	Qualifier	Units	RL	MDL		
Extractable P	etroleum Hydrocarbons	s - Westbor	ough Lab	for sample(s):	01-02	Batch: WG175	3472-1	
ETPH-CT		ND		ug/l	200			

Surrogate	%Recovery	A Qualifier	cceptance Criteria
o-Terphenyl	69		50-150



Lab Control Sample Analysis

Project Name:	REGION 18	Batch Quality Control	Lab Number:	L2312399
Project Number:	CT1050492		Report Date:	03/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Extractable Petroleum Hydrocarbons - Westb	orough Lab Asso	ociated sampl	e(s): 01-02	Batch: WG	1753472-2				
ETPH-CT	68		-		60-120	-		30	

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	57				50-150



Project Name: **REGION 18** Project Number: CT1050492

Serial_No:03142314:58 Lab Number: L2312399 *Report Date:* 03/14/23

Sample Receipt and Container Information

Were project specific reporting limits specified?

NO

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container Information			Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2312399-01A	Vial HCl preserved	А	NA		4.3	Y	Absent		524.2(14)
L2312399-01B	Vial HCI preserved	А	NA		4.3	Y	Absent		524.2(14)
L2312399-01C	Amber 250ml unpreserved	А	7	7	4.3	Y	Absent		CT-PAHSIM-LVI(7)
L2312399-01D	Amber 250ml unpreserved	А	7	7	4.3	Y	Absent		CT-PAHSIM-LVI(7)
L2312399-01E	Amber 1000ml unpreserved	А	7	7	4.3	Y	Absent		ETPH(7)
L2312399-01F	Amber 1000ml unpreserved	А	7	7	4.3	Υ	Absent		ETPH(7)
L2312399-02A	Vial Ascorbic Acid/HCI preserved	А	NA		4.3	Υ	Absent		524.2(14)
L2312399-02B	Vial Ascorbic Acid/HCI preserved	А	NA		4.3	Y	Absent		524.2(14)
L2312399-02C	Amber 250ml unpreserved	А	7	7	4.3	Y	Absent		CT-PAHSIM-LVI(7)
L2312399-02D	Amber 250ml unpreserved	А	7	7	4.3	Y	Absent		CT-PAHSIM-LVI(7)
L2312399-02E	Amber 1000ml unpreserved	А	7	7	4.3	Y	Absent		ETPH(7)
L2312399-02F	Amber 1000ml unpreserved	А	7	7	4.3	Y	Absent		ETPH(7)



Project Name: REGION 18

Project Number: CT1050492

Lab Number: L2312399

Report Date: 03/14/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)						
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).						
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.						
EPA	- Environmental Protection Agency.						
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.						
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.						
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.						
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)						
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)						
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)						
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.						
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.						
MSD	- Matrix Spike Sample Duplicate: Refer to MS.						
NA	- Not Applicable.						
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.						
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.						
NI	- Not Ignitable.						
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.						
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.						
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.						
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.						
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.						
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.						
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.						
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.						
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.						

Report Format: Data Usability Report


Project Name: REGION 18

Project Number: CT1050492

Lab Number: L2312399 Report Date: 03/14/23

Footnotes

1 000110100

- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

1

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(a)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C -Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- **D** Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- **F** The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I The lower value for the two columns has been reported due to obvious interference.
- J Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: REGION 18

Project Number: CT1050492

Serial_No:03142314:58

Lab Number: L2312399

Report Date: 03/14/23

Data Qualifiers

- ND Not detected at the reporting limit (RL) for the sample.
- NJ Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- **P** The RPD between the results for the two columns exceeds the method-specified criteria.
- Q The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- **R** Analytical results are from sample re-analysis.
- **RE** Analytical results are from sample re-extraction.
- S Analytical results are from modified screening analysis.
- V The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report



Project Name: REGION 18 Project Number: CT1050492

 Lab Number:
 L2312399

 Report Date:
 03/14/23

REFERENCES

- 11 Analysis of Extractable Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection. Environmental Research Institute, University of Connecticut. March 1999.
- 16 Methods for the Determination of Organic Compounds in Drinking Water Supplement II. EPA/600/R-92/129, August 1992.
- 79 Connecticut DEP Quality Assurance and Quality Control Requirements for SW-846 Methods. CTDEP Reasonable Confidence Protocols (RCPs). Versions 2.0 and 3.0, July and December 2006.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; <u>SCM</u>: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: <u>NPW:</u> Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine. **SM4500**: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: <u>NPW</u>: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187. EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene. Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP. Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. EPA 624.1: Volatile Halocarbons & Aromatics, EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II.

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs **EPA 625.1**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn. **EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn. **EPA 245.1** Hg. **SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:03142314:58

ALPHA	CHAI	N OF CU	JSTO	DY ,	AGE		Date	Rec'd	in Lab	:	3/	9/2	3	A	LPHA	Job #:	La	312399	1
ANALSTICAL		Proje	ct Informat	tion	No.		Rep	oort In	forma	tion - I	Data I	Delive	rables	E	Billing I	nformat	tion		
8 Walkup Drive Westboro, MA 0 Tel: 508-898-92	320 Forbes Blvd 1581 Mansfield, MA 02048 20 Tet: 508-822-9300	Project	Name:	REG	FIDN	18		DEx		D EM	AIL				Same a	s Client in	nfo P(C #:	
Client Informatio	n	Project	Location:	LUL	HS	-10	Reg	julato	ry Req	uirem	ents	&	Projec	t Info	rmatio	n Requi	rement	s	
Client: 41H	MEWATER	Project	#:	PUL	4				o MAN	ICP Ana	alytica Requi	Methor	ods this SD	G? (R	Q Yes equired	I No C	CT RCP	Analytical Methor ics)	ds
Address:		Project	Manager:	1					GW1	Standa	rds (Ir	fo Rec	quired for	or Meta	is & EPI	H with Ta	irgets)	70 1	
		ALPH	A Quote #:					ther Sta	o NPDI ate /Fed	ES RGH	am				Ci	riteria			
Phone:		Turn	Around Ti	me				1	1.	15	12	*/	./	11	1	/ /	11	/	12
Email: Elfoon	DRHWAME .	CDM .	the for	2			1		15	CRC	dag	10 S 0	5/ /	/ /	/ /	/ /	/ /	/	
		Li Sta	ndard X	RUSH (m)	continued it pre-it	oproved?)	Kei	242	/ Y/	14	Rano	Range		hint	/ /	/ /	/	/	T
Additional Pr	roject Informatior):	Due:)			141	X	AH I	RCR	10 0	120	Finge	//	/ /	/ /	/ /	SAMPLE INFO	A
C	7 10504	192 /	7	-	1		7	624	£ 2	48	Targe	Targe	10	[]	/ /	///	/ /	Filtration	
Annes 2	OROPS HEL	1 A	()	57	+			ABN	MCP	RCR	Sec &	PES	Int On	/	/ /	/ /		Lab to do	в
Appen -	to Ascorbic	ACIDIN	solle	GI	/		10	10	3	is little	Ran	1	Com	11		/ /	/	Lab to do	T
ALPHA Lab ID (Lab Use Only)	Sample	ID	Coll	ection	Sample Matrix	Sampler		SVOC	META META	EPH.	NPH:	D PC	ē/ ,	[]	/ /	/ /	- Sa	mole Comments	ES
12299-01	WELL # 2	PAU	3/0/22	AGUE	DW	CIN	X	X	- / -	X	1		1 f	1	<u>í í</u>			inplo commente	6
10311 01	POF	KIN	3/9/2	1003	Dul	TPO	2	X		X	-			-					1
UK	F.UIE		-110	1000	rw	MA	0	30		1	-	-	+ +	-	+ +				6
			1 1 1					-	-	-	-			-				-	+
									_		_	_		_					_
			-		-	-		_	-		_	_		_					
					_														1
								_			-	_		_		_			-
					-			_	_		-	_		_		_			_
											_	_		_		-			-
														_					
Container Type	Preservative A= None				Cont	ainer Type													
A= Amber glass V= Vial G= Glass	B= HCI C= HNO ₃ D= H ₂ SO ₄	A	~ ~ ~		Pr	reservative													
B= Bacteria cup C= Cube O= Other	E= NaOH F= MeOH G= NaHSO4	Relind	uighed by	ul.	Dat	e/Time	-m	0	Receiv	ved By:	01		36	ate/Tir	ne	All sam	ples sub	mitted are subject	ct to
E= Encore D= BOD Bottle	H = Na ₂ S ₂ O ₃ I= Ascorbic Acid J = NH ₄ Cl	XIIIV	p ce vn	m	3/9/6	1450		D	2 1	- A	AC		391	31	50	Alpha's See rev	Terms a erse sid	and Conditions.	
Page 43 of 44	K= Zn Acetate	Con the	MA	1	11.00		19	100					1.10	-		FORM NO): 01-01 (ne	w. 12-Mar-2012)	

ETPH Mass Discrimination Check Form

Instrument ID:	Petro 22				
Lab File Path:	I:\PETRO\Petro22\23	0311\ETPH\			
Lab File ID:	P2223031102.D				
Injection date:	3/11/2023 12:53				
	RF	%D			
ETPH (C9-C36)	28.04	-			
Nonane	28.35	1.12			
Decane	28.62	2.09			
Dodecane	28.06	0.06			
Tetradecane	27.87	-0.61			
Hexadecane	28.09	0.19			
Octadecane	28.64	2.16			
Eicosane	28.98	3.35			
Docosane	28.07	0.11			
Tetracosane	28.41	1.33			
Hexacosane	28.32	1.01			
Octacosane	28.59	1.98			
Triacontane	28.60	2.02			
Dotriacontane	27.97	-0.24			
Tetratriacontane	27.37	-2.38			
Hexatriacontane	24.61	-12.24			

Associated Samples:	

WG1753472-2
WG1753472-1
L2200080-30
WG1753472-3
WG1753472-4
L2312399-01
L2312399-02

-