SOIL AND GROUNDWATER ASSESSMENT DOMESTIC WATER SUPLLY SAMPLE **COLLECTION AND ANALYSIS** 440 SPORT HILL ROAD **EASTON, CONNECTICUT** SPILL #2022-00667 **HAZ ID 1227 REM ID 14990** PROJECT #965

Prepared for:

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Nøvember/2022

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Principal

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### 1.0 INTRODUCTION

ADVANCED ENVIRONMENTAL REDEVELOPMENT (AER) is pleased to submit this report concerning the investigation of on-Site soil, on-Site groundwater and adjacent property potable water supply quality at the 440 Sport Hill Road Site, located in Easton, Connecticut (Site). The location of private wells and a Site plan are found on Figures 1 and 2. This work is intended to document the quality of on-Site groundwater and soil remaining on-Site as requested by the Connecticut Department of Energy and Environmental Protection (CTDEEP) as outlined in their October 18, 2022, letter entitled *Acknowledgement*, *Notification of Significant Environmental Hazard*, *Pursuant to Connecticut General Statutes Section 22a-6u*.

Easton GIS mapping designates the Site as a single parcel of land consisting of two addresses:

- 1. 444 Sport Hill Road (former Easton Country Store and now vacant) is the property where a gasoline and diesel dispensing facility was located and was taken out of service in March 2022.
- 2. 438 Sport Hill Road which is occupied by a residence. A water supply well that services both addresses is located on this property.

For clarity purposes going forward, the Site, the area of concern of where the refueling station was located, will be designated 440 Sport Hill Road, its mailing address.

### 1.1 Water Quality Classifications

According to the *Water Quality Classifications, Easton, Connecticut,* dated October 2018, groundwater beneath the Site is classified as GAA designating groundwaters of unlimited use. The Site is located approximately 2,500 feet west and upgradient of the Easton Reservoir. Groundwater beneath the Site would likely discharge to an unnamed brook located approximately 1,000 feet to the east. This brook is classified A indicating fresh surface water of limited use. Groundwater in the area provides potable water resources and area surface water discharges to the Easton Reservoir.

### 2.0 CONNECTICUT REMEDIATION STANDARD REGULATIONS

The Remediation Standard Regulations (RSR's) 22a-133k-1 through -3 revised February 16, 2021, document procedures necessary to evaluate affected media and the appropriateness of remedial actions at identified releases. A summary of applicable RSR criteria are presented below.

### 2.1 RSR Soil Criteria

A soil release area is defined as an area of polluted soil exceeding the analytical detection limit for a particular substance or exceeding Site-specific background concentrations. Contaminants of

concern, such as most volatile organic compounds and refined petroleum products, are not naturally occurring and their detection is inferred to represent a release.

If a soil release is identified, the RSR Soil Remediation Standards require polluted soil at a release area to be remediated to meet specific soil Criteria. According to the CTDEEP website:

Direct Exposure Criteria are established to protect human health from exposure to contaminants in soil. With some exceptions, these criteria apply to soil located within fifteen feet of the ground surface. Polluted soil must be remediated to a concentration that is consistent with the Residential Direct Exposure Criteria, unless the site is used exclusively for industrial or commercial purposes. In such a case, the less stringent Industrial/Commercial Direct Exposure Criteria may be used, provided an Environmental Use Restriction is recorded to ensure that the site is not used for residential purposes in the future.

**Pollutant Mobility Criteria** are established to prevent the pollution of groundwater caused by soil contamination that is available to migrate into groundwater. The Pollutant Mobility Criteria apply to soil above either the seasonal low or high-water table, depending on the groundwater quality classification of the site. The RSRs also specify when an alternative Pollutant Mobility Criteria is appropriate. The RSRs include a compliance option using groundwater quality.

The RSRs also specify circumstances in which the Pollutant Mobility Criteria do not apply. In general, these circumstances include cases where: polluted soil is located beneath a building, provided an Environmental Use Restriction is recorded to prohibit the building from being intentionally destroyed; widespread polluted fill exists, provided the groundwater in the subject area is not used for drinking water purposes; or an engineered control, such as an engineered cap, has been constructed to prevent the contamination of underlying groundwater.

Based upon the Site's location in a GAA designated groundwater classified area, the GA Pollutant Mobility Criteria (GAPMC) would apply. Although the Site is utilized for commercial purposes, the Residential Direct Exposure criteria (RDEC) apply to those affected soils unless an Environmental Use Restriction (EUR) is executed on the Site's land records. An EUR is generally used to denote soil above Criteria that remains on-Site beneath a building (inaccessible and environmentally isolated) or beneath an engineered control that restricts access to, or isolates, the affected soils.

### 2.2 RSR Groundwater Criteria

According to the CTDEEP website:

The goals of groundwater remediation include:

- Protecting human health
- Preserving high quality groundwater
- Protecting existing uses of groundwater
- Preventing further degradation of groundwater quality
- Preventing degradation of surface water from discharges of contaminated groundwater

Three criteria apply to the remediation of a groundwater plume. These criteria include Groundwater Protection Criteria, Surface Water Protection Criteria, and Volatilization Criteria.

Groundwater Protection Criteria require that groundwater plumes in high quality groundwater areas be remediated to background quality, or, in certain instances, to levels that adequately protect existing and future uses of groundwater as public or private drinking water supplies. In areas that have been classified as having degraded groundwater quality due to historical land use practices, the groundwater must be remediated to adequately protect any existing use of groundwater. The RSRs also specify circumstances in which exemptions or variances from the Groundwater Protection Criteria are appropriate.

AER notes that the Site is located in a GAA groundwater classified area; therefore, the Groundwater Protection Criteria apply.

In addition, the Volatilization Criteria would also apply:

Volatilization Criteria are established to protect human health from volatile substances in groundwater that may migrate from the groundwater into overlying buildings. The Volatilization Criteria for groundwater vary depending on whether the overlying building is used for residential or industrial/commercial purposes. In cases where the industrial/commercial Volatilization Criteria are appropriate, an Environmental Use Restriction must be recorded to ensure that the site is not used for residential purposes in the future.

### 3.0 HISTORICAL INFORMATION

### 3.1 Underground Storage Tank Removal, March 2022

During February 2022, AER documented the removal of three underground storage tanks, affected soil and approximately 900 gallons of affected groundwater from the Site as documented in AER's report entitled: *Underground Storage Tank and Affected Soil Removal*, 438-444 Sport Hill Road, Easton, Connecticut, Spill #2022-00667, dated March 2022. A total of 11 confirmation soil samples and one groundwater sample were collected from the excavation and analyzed. Soils at the limit of the tank grave excavation exceeded CTDEEP Remediation Standard regulation Criteria for lead, semi-volatile organic compounds and volatile organic compounds at limited locations. Excavation was limited by property boundaries, the building structure and Site utilities. Evidence of petroleum was noted in the groundwater above Criteria.

### 3.2 Soil Disposal, June 27 and 28, 2022

During this time period, AER documented the off-Site disposal of 598.07 tons of petroleum containing soil from the Site. The soil was generated during the tank removal project completed in March 2022. The soil was transported to the Soil Safe facility in Logan, New Jersey for disposal.

### 3.3 Additional Soil Disposal, July 13-15, 2022, NOVWSUST 22-002

A portion of the affected soil, prior to the disposal activities of June 2022, was placed along the eastern property line by a Site contractor. The placement of this regulated soil was reported to the CTDEEP and NOVWSUST 22-002 was issued by the CTDEEP. In response, the affected soil was removed and approximately 18.98 tons of affected soil was disposed of at Soil Safe in Carteret, New Jersey on July 15, 2022. Five confirmation soil samples were collected and

analyzed; the soil remaining in-place met Criteria. Low levels of semi-volatile compounds were detected and attributed to the adjacent horse paddock and presence of manure.

### 3.4 Significant Environmental Hazard Form (SEHF)

A Significant Environmental Hazard Form was submitted to the CTDEEP on August 24, 2022. The CTDEEP acknowledged the receipt of the SEHF by letter dated October 18, 2022. This letter required the collection of water samples from the on-Site and abutting residential properties as well as the completion of a Phase II Environmental Assessment. This November 2022 AER report is intended to satisfy that CTDEEP request.

### 3.5 Sensitive Environmental Receptor Survey (SERS)

AER completed a SERS during September 2022. Fifteen private water supply wells are located within a 500-foot buffer surrounding the Site. No residents have reported any petroleum impact. No listed state or federal species were identified within the buffer area. No other sensitive uses other than the private water supply wells were identified.

### 4.0 PRIVATE WATER SUPPLY WELL SAMPLING

Nine water supply wells were located adjacent to the Site; they are located on Figure 1:

- 1. 1 Center Road, Easton Volunteer Fire Department
- 2. 25 Old Oak Road, Steven Montgomery, private residence
- 3. 27 Old Oak Road, Peter and Henrietta Stofova, private residence
- 4. 422 Sport Hill Road, Highland Place LLC, horse farm/residence
- 5. 438/440 Sport Hill Road, Site, vacant Easton Village Store (440 Sport Hill Road) and private residence (438 Sport Hill Road). These two structures share the same well located in front of the 438 Sport Hill Road residence.
- 6. 439 Sport Hill Road, Mathew Lisi, private residence
- 7. 448 Sport Hill Road, Easton EMS
- 8. 450 Sport Hill Road, Hillsport LLC, commercial cabinet maker and private residence
- 9. 452 Sport Hill Road, Irv and Nancy Silverman, farmland, animal preserve

A sample was collected from each well by AER (excluding the 1 Center Road and 448 Sport Hill Road properties) prior to any treatment system and directly from the faucet located at or prior to the pressure tank and before any treatment system. The samples collected by AER were gathered directly into laboratory containers, placed on ice and delivered to Complete Environmental Testing of Stratford, Connecticut. Each sample was analyzed for CTETPH, aromatic volatile organic compounds (EPA Method 524.2) and semi-volatile organic compounds (EPA Method 525.3 PNA's only). The samples were collected between October 28 and November 1, 2022.

No levels of compounds were detected above the method detection limit other than 0.10 ug/l of phenanthrene at the 25 Old Oak Road property. The levels of phenanthrene detected were below the GA Groundwater Protection Criteria (200 ug/l) and the Connecticut Water Quality Standards

(4.37 ug/l). The presence of this compound is not likely due to petroleum products since no other associated petroleum compounds were detected. AER does note that phenanthrene is associated with straw and manure; horse stables are located topographically higher than and immediately adjacent to the 25 Old Oak Road property. Analytical results have been summarized on Table 1 and laboratory reports are found in Appendix A.

Two samples were collected by the Aspetuck Valley Health Department: one from the 1 Center Road property and one from the 448 Sport Hill Road property. The samples were analyzed by the CTDPH laboratory in Rocky Hill, Connecticut for traditional potable water analytes as well as CTETPH and volatile organic compounds using EPA Method 524.2. The analytical results indicated that no CTETPH or volatile organic compounds were detected above the laboratory reporting limit. AER was denied access to these two properties and did not observe the sample collection. These analytical reports are found in Appendix A.

In addition to groundwater samples collected by AER on October 28, the homeowner of the private residence located at 25 Old Oak Road also collected and analyzed a water sample. Aquatek of Woodbridge, Connecticut collected a groundwater sample from this property on July 25, 2022; the sample was reported to have been collected prior to any treatment system. The sample was analyzed for EPA Method 524.2 volatile organic compounds. The analytical report found in Appendix A, indicates that no compounds were detected above the laboratory method limit.

Well completion reports were available for the following properties:

- 1. 1 Center Road
- 2. 25 Old Oak Road
- 3. 27 Old Oak Road
- 4. 450 Sport Hill Road

These well completion reports are found in Appendix A.

### 5.0 TEST BORING AND MONTOR WELL INSTALLATION

On October 4 and 5, 2022, AER documented the installation of three shallow test borings completed as monitor wells at the locations shown on Figure 2. The test borings and monitor wells were installed using hollow stem augers or two-inch diameter air hammer (within the bedrock) by Hardiman and Associates of Shelton, Connecticut. Photographs of field activities are included in Appendix B.

Soil samples were collected by driving a two-inch split spoon 24 inches using a 150-pound hammer dropping approximately 30 inches; where soils were too compact for driving split spoons, soil samples were collected from the auger flights. Groundwater was not encountered in the borings above the bedrock surface during the drilling process. The bedrock surface was encountered in each boring approximately 10 feet below grade. A two-inch diameter air hammer was utilized to extend the shallow wells into the bedrock in order to encounter the groundwater

surface. The borings were extended to a depth of no greater than 25 feet below grade. The soils encountered above the bedrock surface consisted of brown fine to coarse sand and gravel with silt.

The wells were constructed using two-inch diameter, PVC, threaded flush joint casing and completed within flush mount gate boxes. Ten-foot well screens were placed generally between 10 and 25 feet below grade. Test boring logs are found in Appendix C.

### 6.0 SOIL AND GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

### 6.1 Soil

One soil sample was collected from each of the three borings at a depth of approximately five to seven feet below grade. The soil samples collected were analyzed for:

US EPA Method 8260 Aromatics CTETPH US EPA Method 8270 PNAs Total and SPLP Lead

Analytical soil results are found on Table 2. Soils at location MW-3 exhibited levels of SPLP lead equal to the GA Pollutant Mobility Criteria. No petroleum odors were noted in the soil sample. A likely source of the SPLP lead is the recycled asphalt product found surrounding this area; no historical petroleum related activities have been conducted in this area. Laboratory reports are found in Appendix A.

### 6.2 Groundwater

On October 6, 2022, AER collected groundwater samples from the four newly installed monitor wells. The samples were collected using methods similar to the *Low Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, USEPA April 1996. Low flow data sampling sheets and analytical reports are attached in Appendix C. Each sample was analyzed for:

US EPA Method 8260 Aromatics CTETPH US EPA Method 8270 PNAs

Analytical results, summarized on Table 3, indicate that groundwater beneath the Site has been impacted by petroleum products. CTETPH was detected at a level greater than the Groundwater Protection Criteria within monitor well MW-1 located adjacent to the former tank excavation. ETPH levels at the two other wells were detected at a level less than the Criteria. AER notes that no evidence of a separate phase petroleum product was noted in the monitor wells. Laboratory reports are found in Appendix A.

### 7.0 DATA QUALITY OBJECTIVES (DQOS) AND USABILITY

The objectives of the investigations were to assess Site soil, groundwater and surface water quality in accordance with the prevailing standards and guidelines (RSR's February 2021). Procedures used to ensure that the DQOs for the project were met, and that the data are usable include:

- Review of past environmental Site activities and available reports.
- The selection and use of CTDEEP and USEPA recommended analytical methods. The analysis was performed by Complete Environmental Testing of Stratford, Connecticut, a CTDPH certified lab.
- The use of predetermined and industry standard sample handling and custody procedures including sample preservation and chain of custody use. Soil samples retrieved for volatile organic compound analysis by AER were collected using the CTDEEP March 1, 2006, Soil Preservation Guidance. Groundwater samples were collected using procedures similar to State and Federal approved low-flow sample collection methods.
- The use of predetermined data management and documentation procedures, including the Reasonable Confidence Protocols.
- A review of sampling locations, activities performed at or near those locations and potential constituents of concern.
- Review of published information from available local, State and Federal data bases.

In general, the data collected has been found to meet the DQO's and has been used for Site soil, groundwater and soil vapor evaluation.

### 8.0 DIRECTION OF GROUNDWATER FLOW

After well installation, each of the monitor wells was surveyed for relative elevation. The elevation data was recorded on Table 4. Using the depth to water measurements recorded during groundwater sample collection, groundwater elevation and flow direction for the shallow aquifer can be calculated. This data indicates a northeastern groundwater flow direction as shown in Figure 2.

### 9.0 CONCLUSIONS AND RECOMENDATIONS

Groundwater in adjacent potable water supply wells met the Groundwater Protection Criteria and the Connecticut water Quality Standards.

Three monitor wells have been located on the Site. Soil samples have been collected from each boring and analyzed for petroleum related compounds. Only total lead was detected at a level equal to the GA Pollutant Mobility Criteria at location MW-3. MW-3 is located in an area of recycled asphalt millings; this lead may be the result of the millings since no prior petroleum related activity has been performed in this area. Prior soil analysis performed during the tank removal conducted in March 2022 indicated the presence of SPLP lead greater than the GA Pollutant Mobility Criteria along the southern wall of the tank excavation.

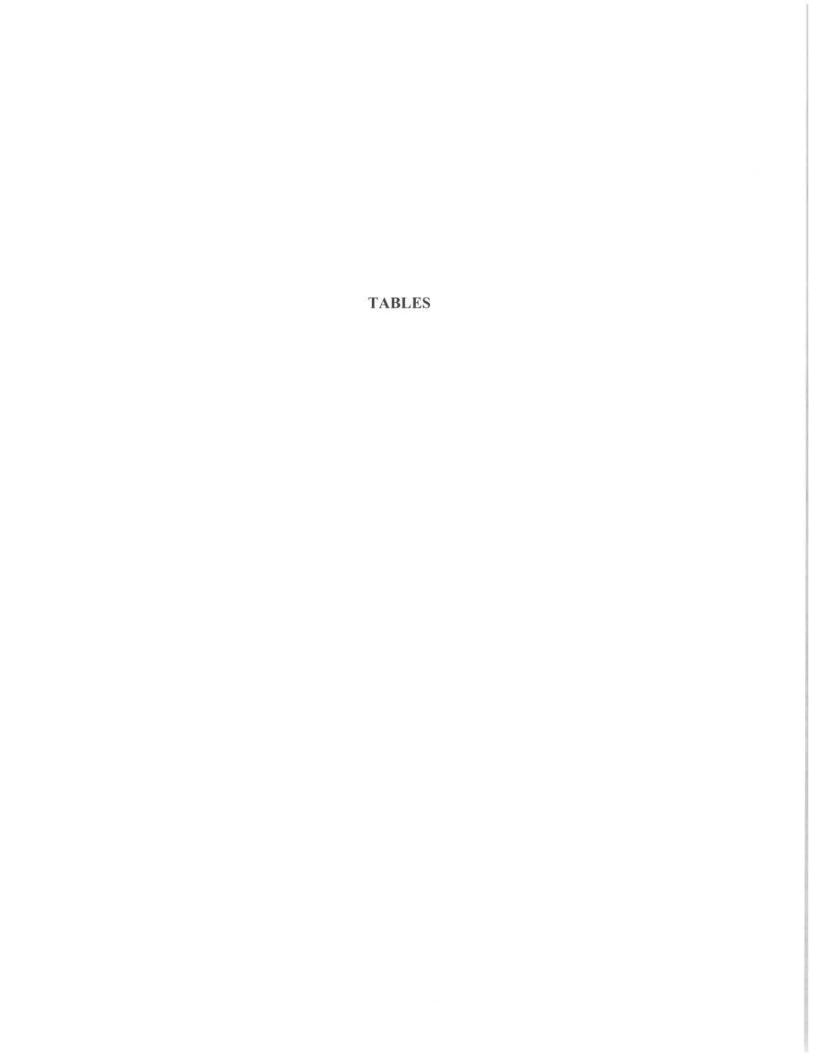
Groundwater samples were collected from the three on-Site monitor wells and indicated the presence of ETPH. Only ETPH at location MW-1, located adjacent to the former tank excavation indicated the presence of ETPH at levels greater than the Groundwater Protection Criteria.

### AER recommends that:

- 1. Affected lead containing soil documented south of the former tank excavation should be excavated and disposed of off-Site. Additional confirmation soil samples should be collected at the limit of the excavation.
- 2. Periodic enhanced fluid and vapor recovery (EFVR) using a vac-truck at the three affected monitor wells would be an appropriate first step toward the improvement of groundwater quality. Depending upon the results of the EFVR, additional groundwater remediation activities may be appropriate.
- 3. Groundwater samples should be collected periodically to document groundwater quality and assess the need for additional groundwater remedial activities.

### 10.0 LIMITATIONS

The purpose of this investigation was to convey a professional opinion about the potential presence or absence of contamination, or sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property. This work was performed by AER personnel in accordance with accepted industry standards.



# TABLE 1 SUMMARY OF DETECTED COMPOUNDS IN PRIVATE WATER SUPPLY WELLS OCTOBER 2022 440 SPORT HILL ROAD EASTON, CONNECTICUT

Compound/Location	25 Old Oak Road	CTDEEP GWPC	CTDEEP CTWQS
Phenanthrene (ug/l)	0.10	200	4.37

Notes:

ug/l - micrograms per liter

CT DEEP GWPC; CTWQS - Connecticut Department of Energy and Environmental Protection; Groundwater Protection Criteria; Connecticut Water Quality Standards

# TABLE 2 SUMMARY OF DETECTED COMPOUNDS IN SOIL OCTOBER 2022 440 SPORT HILL ROAD EASTON, CONNECTICUT

Compound/Location	MW-1	MW-2	MW-3	CTDEEP RDEC	CTDEEP I/CDEC	
Total Lead (mg/kg)	2.8	2.9	28	400	1000	NS
SPLP Lead (mg/l)	ND	ND	0.015	NS	NS	0.015

Notes:

MW-1 – Soil sample location mg/kg – milligrams/kilogram mg/ml – milligrams per liter

ND - not detected above method detection limit

 $NS-no\ standard$ 

CT DEEP; RDEC; I/CDEC; GAPMC – Connecticut Department of Energy and Environmental Protection; Residential Direct Exposure Criteria; Industrial/Commercial Direct Exposure Criteria; GA Pollutant Mobility Criteria

Page 1 of 1

### TABLE 3 SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER OCTOBER 2022 440 SPORT HILL ROAD EASTON, CONNECTICUT

Parameter/Location	MW-1	MW-2	MW-3	GWPC	RVC	I/CVC
ETPH (mg/l)	0.39	0.18	0.12	0.25	NS	NS

### Notes:

GW - Sample location

ug/l - micrograms/liter

mg/l - milligrams/liter

GWPC - Groundwater Protection Criteria

RVC - Residential Volatilization Criteria

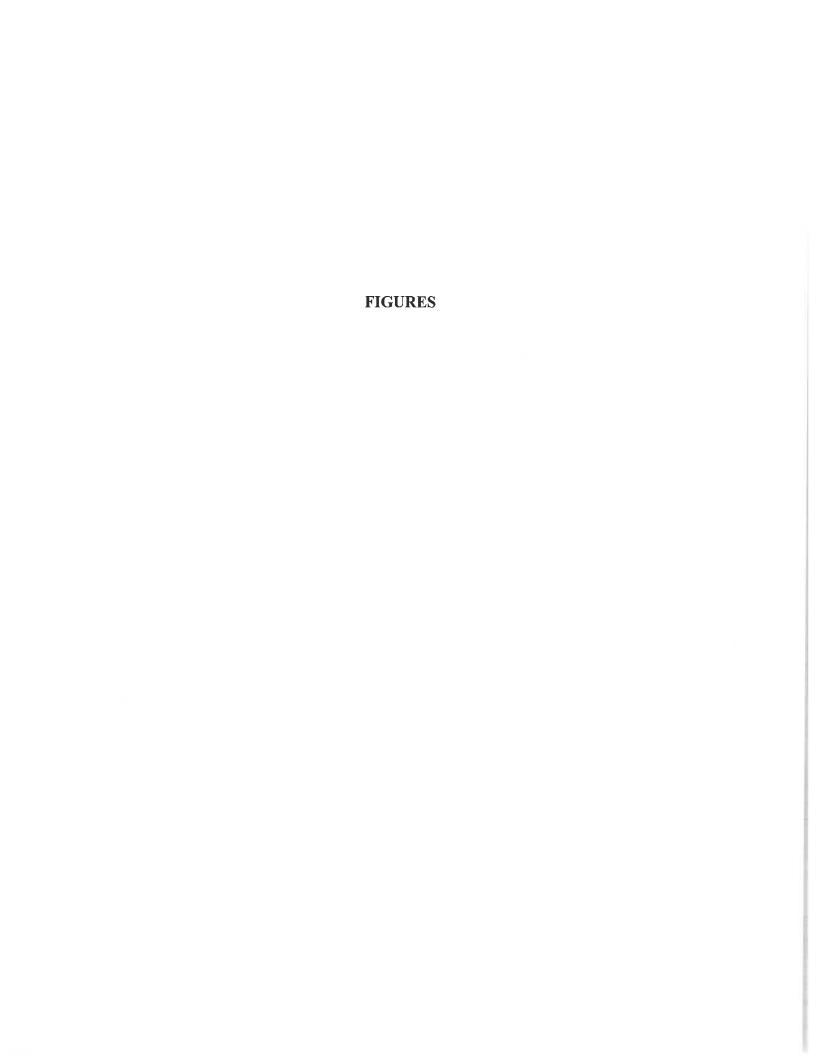
I/CVC - Industrial/Commercial Volatilization Criteria

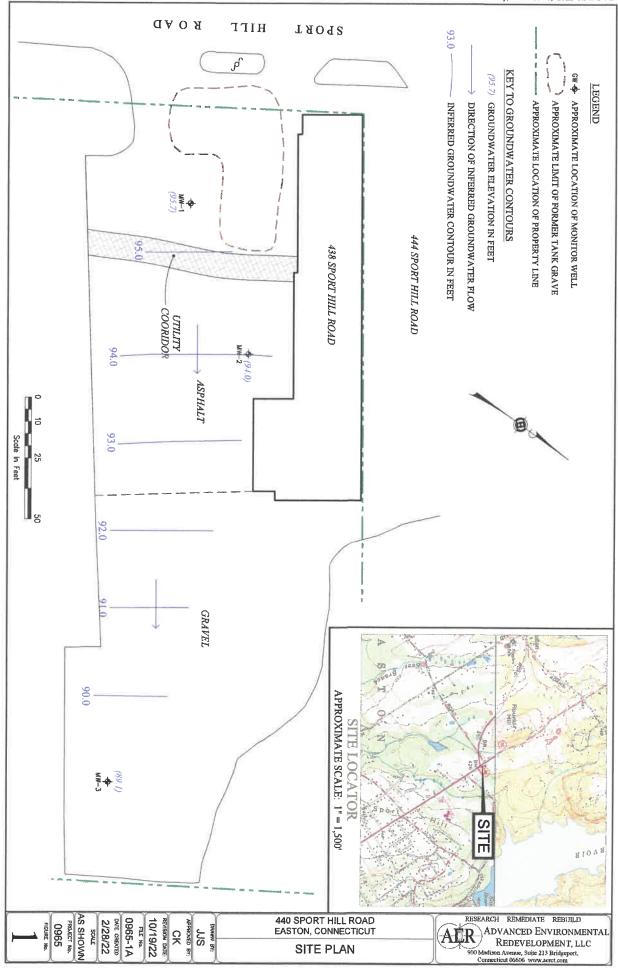
\* - Additional Polluting Substance

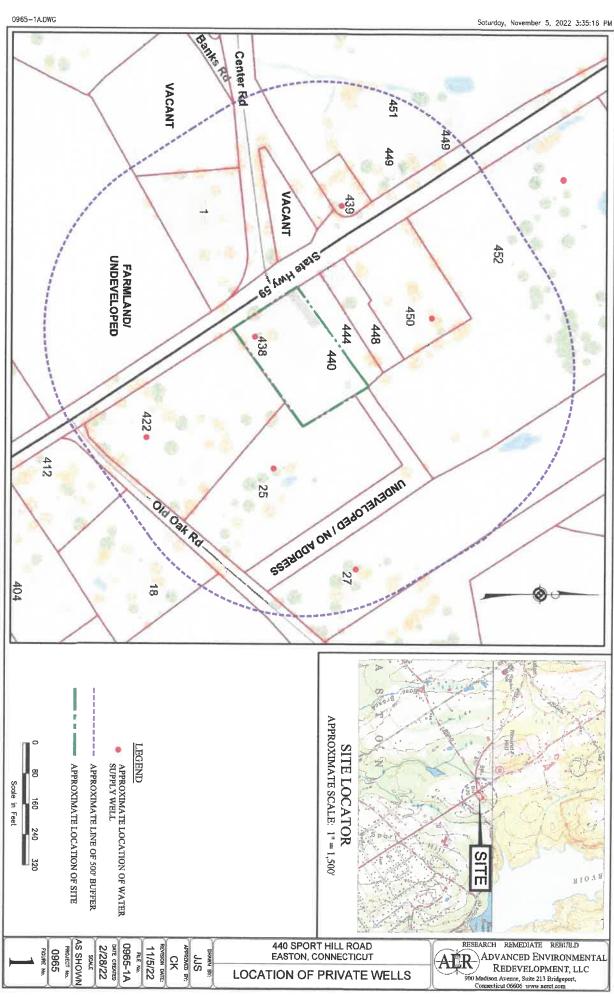
NS - No Standard

TABLE 4
GROUNDWATER ELEVATION DATA OCTOBER 2022
440 SPORT HILL ROAD
EASTON, CONNECTICUT

Location	Elevation of Reference Point (Top of PVC)	Depth to Water in Feet	Elevation of the Groundwater Surface in Feet		
MW-1	101.55	5.81	95.7		
MW-2	100.76	6.79	94.0		
MW-3	97.13	8.04	89.1		







### APPENDIX A LABORATORY REPORTS AND WELL COMPLETION REPORTS



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Client:

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### Analytical Report CET# 2100051

Report Date:October 10, 2022

Project: ECS

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927

### SAMPLE SUMMARY

The sample(s) were received at 4.5°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
MW-1	2100051-01	Soil	10/04/2022 11:00	10/04/2022
MW-2	2100051-02	Soil	10/04/2022 11:00	10/04/2022
MW-3	2100051-03	Soil	10/04/2022 11:00	10/04/2022

Analyte: Percent Solids [SM 2540 G]

Analyst: MV

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100051-01	MW-1	93	1.0	%	1	B2J0505	10/05/2022	10/05/2022 14:10	
2100051-02	MW-2	84	1.0	%	1	B2J0505	10/05/2022	10/05/2022 14:10	
2100051-03	MW-3	84	1.0	%	1	B2J0505	10/05/2022	10/05/2022 14:10	

Analyte: Total Lead [EPA 6010C]

Prep: EPA 3051A

Analyst: SS

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100051-01	MW-1	2.8	2.1	mg/kg dry	1	B2J0504	10/05/2022	10/05/2022 18:49	
2100051-02	MW-2	2.9	2.2	mg/kg dry	1	B2J0504	10/05/2022	10/05/2022 18:53	
2100051-03	MW-3	28	2.2	mg/kg dry	1	B2J0504	10/05/2022	10/05/2022 18:57	

Analyte: SPLP Lead [EPA 6020A]

Prep: EPA 3005A-1312

Analyst: SS

**Matrix: Extract** 

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100051-01	MW-1	ND	0.013	mg/L	1	B2J0526	10/05/2022	10/05/2022 15:03	
2100051-02	MW-2	ND	0.013	mg/L	1	B2J0526	10/05/2022	10/05/2022 15:36	
2100051-03	MW-3	0.015	0.013	mg/L	1	B2J0526	10/05/2022	10/05/2022 15:41	

### Client Sample ID MW-1 Lab ID: 2100051-01

Conn. Extractable TPH Method: CT-ETPH

Analyst: PDS

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	53	1	EPA 3550C	B2J0701	10/07/2022	10/07/2022 17:58	
Surrogate: Octacosane	96.2 %	50	- 150		B2J0701	10/07/2022	10/07/2022 17:58	

Semivolatile Organics Method: EPA 8270D Analyst: TWF

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Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
2-Methyl Naphthalene	ND	210	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Acenaphthylene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Acenaphthene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Fluorene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Phenanthrene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Anthracene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Fluoranthene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Pyrene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Benzo[a]anthracene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Chrysene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Benzo[b]fluoranthene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Benzo[k]fluoranthene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Benzo[a]pyrene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Indeno[1,2,3-cd]pyrene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Dibenz[a,h]anthracene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Benzo[g,h,i]perylene	ND	110	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:24	
Surrogate: Nitrobenzene-d5	49.2 %	30	- 130		B2J0702	10/07/2022	10/07/2022 18:24	//
Surrogate: 2-Fluorobiphenyl	59.0 %	30	- 130		B2J0702	10/07/2022	10/07/2022 18:24	
Surrogate: Terphenyl-d14	73.4 %	30	- 130		B2J0702	10/07/2022	10/07/2022 18:24	

### Client Sample ID MW-1 Lab ID: 2100051-01

Volatile Organics
Method: EPA 8260C

Analyst: RAN

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Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
	\\$\$\$/)	···········//						
Methyl-t-Butyl Ether (MTBE)	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Benzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Toluene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Chlorobenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Ethylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
m+p Xylenes	ND	9.0	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
o-Xylene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Styrene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Isopropylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Bromobenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
n-Propylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
2-Chlorotoluene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
4-Chlorotoluene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
1,3,5-Trimethylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
tert-Butylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
1,2,4-Trimethylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
sec-Butylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
1,3-Dichlorobenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
4-Isopropyltoluene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
1,4-Dichlorobenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
1,2-Dichlorobenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
n-Butylbenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
1,2,4-Trichlorobenzene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Hexachlorobutadiene	ND	4.5	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Naphthalene	ND	9.0	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
1,2,3-Trichlorobenzene	ND	9.0	1.67	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:08	
Surrogate: 1,2-Dichloroethane-d4	80.3 %	70	- 130		B2J0542	10/05/2022	10/05/2022 14:08	
Surrogate: Toluene-d8	96.8 %	70	- 130		B2J0542	10/05/2022	10/05/2022 14:08	
Surrogate: 4-Bromofluorobenzene	98.8 %	70	- 130		B2J0542	10/05/2022	10/05/2022 14:08	

### Client Sample ID MW-2 Lab ID: 2100051-02

Conn. Extractable TPH Method: CT-ETPH

Analyst: PDS

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	58	1	EPA 3550C	B2J0701	10/07/2022	10/07/2022 20:07	
Surrogate: Octacosane	92.0 %	50	- 150		B2J0701	10/07/2022	10/07/2022 20:07	

Semivolatile Organics Method: EPA 8270D

Analyst: TWF

							14,	COLUMN L
Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
2-Methyl Naphthalene	ND	240	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Acenaphthylene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Acenaphthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Fluorene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Phenanthrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Anthracene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Fluoranthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Pyrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Benzo[a]anthracene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Chrysene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Benzo[b]fluoranthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Benzo[k]fluoranthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Benzo[a]pyrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Indeno[1,2,3-cd]pyrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Dibenz[a,h]anthracene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Benzo[g,h,i]perylene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 18:49	
Surrogate: Nitrobenzene-d5	52.4 %	30	- 130		B2J0702	10/07/2022	10/07/2022 18:49	
Surrogate: 2-Fluorobiphenyl	64.2 %	30	- 130		B2J0702	10/07/2022	10/07/2022 18:49	
Surrogate: Terphenyl-d14	75.2 %	30	- 130		B2J0702	10/07/2022	10/07/2022 18:49	

### Client Sample ID MW-2 Lab ID: 2100051-02

Volatile Organics Method: EPA 8260C

Analyst: RAN

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Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Benzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Toluene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Chlorobenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Ethylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
m+p Xylenes	ND	6.2	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
o-Xylene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Styrene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Isopropylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Bromobenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
1-Propylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
2-Chlorotoluene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
-Chlorotoluene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
,3,5-Trimethylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
ert-Butylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
,2,4-Trimethylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
ec-Butylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
,3-Dichlorobenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
-Isopropyltoluene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
,4-Dichlorobenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
,2-Dichlorobenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
a-Butylbenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
,2,4-Trichlorobenzene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Hexachlorobutadiene	ND	3.1	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Naphthalene	ND	6.2	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
1,2,3-Trichlorobenzene	ND	6.2	1.05	EPA 5035A-L	B2J0542	10/05/2022	10/05/2022 14:57	
Surrogate: 1,2-Dichloroethane-d4	80.0 %	70	- 130		B2J0542	10/05/2022	10/05/2022 14:57	
Surrogate: Toluene-d8	97.6 %	70	- 130		B2J0542	10/05/2022	10/05/2022 14:57	
iurrogate: 4-Bromofluorobenzene	98.8 %	70	- 130		B2J0542	10/05/2022	10/05/2022 14:57	

### Client Sample ID MW-3 Lab ID: 2100051-03

Conn. Extractable TPH

Analyst: PDS

Method: CT-ETPH Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	59	1	EPA 3550C	B2J0701	10/07/2022	10/07/2022 20:29	
Surrogate: Octacosane	93.6 %	50	- 150		B2J0701	10/07/2022	10/07/2022 20:29	

Semivolatile Organics

Method: EPA 8270D

Analyst: TWF

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Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
2-Methyl Naphthalene	ND	240	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Acenaphthylene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Acenaphthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Fluorene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Phenanthrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Anthracene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Fluoranthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Pyrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Benzo[a]anthracene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Chrysene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Benzo[b]fluoranthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Benzo[k]fluoranthene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Benzo[a]pyrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Indeno[1,2,3-cd]pyrene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Dibenz[a,h]anthracene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Benzo[g,h,i]perylene	ND	120	1	EPA 3545A	B2J0702	10/07/2022	10/07/2022 19:15	
Surrogate: Nitrobenzene-d5	46.2 %	30	) - 130		B2J0702	10/07/2022	10/07/2022 19:15	
Surrogate: 2-Fluorobiphenyl	54.2 %	30	0 - 130		B2J0702	10/07/2022	10/07/2022 19:15	
Surrogate: Terphenyl-d14	72.3 %	30	) - 130		B2J0702	10/07/2022	10/07/2022 19:15	

### Client Sample ID MW-3 Lab ID: 2100051-03

Volatile Organics
Method: EPA 8260C

Analyst: RAN

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Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Benzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Toluene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Chlorobenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Ethylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
m+p Xylenes	ND	9.1	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
o-Xylene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Styrene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Isopropylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Bromobenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
n-Propylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
2-Chlorotoluene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
4-Chlorotoluene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
1,3,5-Trimethylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
tert-Butylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
1,2,4-Trimethylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
sec-Butylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
1,3-Dichlorobenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
4-Isopropyltoluene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
1,4-Dichlorobenzene	ND	4.5	1,52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
1,2-Dichlorobenzene	ND	4.5	1,52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
n-Butylbenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
1,2,4-Trichlorobenzene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Hexachlorobutadiene	ND	4.5	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Naphthalene	ND	9.1	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
1,2,3-Trichlorobenzene	ND	9.1	1.52	EPA 5035A-L	B2J0637	10/06/2022	10/06/2022 17:50	
Surrogate: 1,2-Dichloroethane-d4	108 %	70	- 130	1	B2J0637	10/06/2022	10/06/2022 17:50	
Surrogate: Toluene-d8	101 %	70	- 130		B2J0637	10/06/2022	10/06/2022 17:50	
Surrogate: 4-Bromofluorobenzene	99.8 %	70	- 130		B2J0637	10/06/2022	10/06/2022 17:50	

### **QUALITY CONTROL SECTION**

### Batch B2J0504 - EPA 6010C

Analyte	, W	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J0504-BLK1)					4	Prepared: 1	0/5/2022 Analy	zed: 10/5/	2022	
Lead		ND	2.0							
LCS (B2J0504-BS1)						Prepared: 1	0/5/2022 Analy	zed: 10/5/	2022	
Lead		22.2	2.0	24.558		90.4	80 - 120			

### Batch B2J0526 - EPA 6020A

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J0526-BLK1)					Prepared: 1	0/5/2022 Analyz	ed: 10/5/202	2	
Lead	ND	0.013							
LCS (B2J0526-BS1)					Prepared: 1	0/5/2022 Analya	ed: 10/5/202	2	
Lead	0.201	0.013	0.200		100	80 - 120			
Duplicate (B2J0526-DUP1)		Source: 2100	051-01		Prepared: 1	0/5/2022 Analy2	ed: 10/5/202	2	
Lead	ND	0.013		ND				20	
Matrix Spike (B2J0526-MS1)		Source: 2100051-01 Prepared: 10/5/2022 Analyzed: 10/5/2022						.2	
Lead	0.201	0.013	0.200	ND	100	75 - 125			
Matrix Spike Dup (B2J0526-MSD1)		Source: 2100051-01				0/5/2022 Analy	ed: 10/5/202	2	
Lead	0.206	0.013	0.200	ND	103	75 - 125	2.66	20	

### Batch B2J0542 - EPA 8260C

		Daten D	230342 - E.	1 A 0200C					
Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J0542-BLK1)					Prepared: 1	0/5/2022 Analyz	ed: 10/5/20	22	
Methyl-t-Butyl Ether (MTBE)	ND	2.5			-				
Benzene	ND	2.5							
Toluene	ND	2.5							
Chlorobenzene	ND	2.5							
Ethylbenzene	ND	2.5							
m+p Xylenes	ND	5.0							
o-Xylene	ND	2.5							
Styrene	ND	2.5							
(sopropylbenzene	ND	2.5							
Bromobenzene	ND	2.5							
n-Propylbenzene	ND	2.5							
2-Chlorotoluene	ND	2.5							
4-Chiorotoluene	ND	2.5							
,3,5-Trimethylbenzene	ND	2.5							
ert-Butylbenzene	ND	2.5							
1,2,4-Trimethylbenzene	ND	2.5							
ec-Butylbenzene	ND	2.5							
,3-Dichlorobenzene	ND	2.5							
l-Isopropyltoluene	ND	2.5							
,4-Dichlorobenzene	ND	2.5							
,2-Dichlorobenzene	ND	2.5							
-Butylbenzene	ND	2.5							
,2,4-Trichlorobenzene	ND	2.5							
Hexachlorobutadiene	ND	2.5							
Naphthalene	ND	5.0							
,2,3-Trichlorobenzene	ND	5.0							
Surrogate: 1,2-Dichloroethane-d4					85.9	70 - 130			
Surrogate: Toluene-d8					96.9	70 - 130			
Surrogate: 4-Bromofluorobenzene					100	70 - 130			
LCS (B2J0542-BS1)					Prepared: 1	0/5/2022 Analyz	ed: 10/5/20	22	
Methyl-t-Butyl Ether (MTBE)	48.3	2.5	50.000		96.6	70 - 130			
Benzene	52.7	2.5	50.000		105	70 - 130			
Toluene	49.5	2.5	50.000		99.0	70 - 130			
Chlorobenzene	50.4	2.5	50.000		101	70 - 130			
Ethylbenzene	49.4	2.5	50.000		98.7	70 - 130			
n+p Xylenes	99.9	5.0	100.000		99.9	70 - 130			
-Xylene	51.4	2.5	50.000		103	70 - 130			
Styrene	52.2	2.5	50.000		104	70 - 130			
sopropylbenzene	51.5	2.5	50.000		103	70 - 130			
Bromobenzene	51.1	2.5	50.000		102	70 - 130			
n-Propylbenzene	48.2	2.5	50.000		96.4	70 - 130			
2-Chlorotoluene	48.4	2.5	50.000		96.7	70 - 130			
l-Chlorotoluene	48.7	2.5	50.000		97.5	70 - 130			
1,3,5-Trimethylbenzene	48.9	2.5	50.000		97.8	70 - 130			
ert-Butylbenzene	49.9	2.5	50.000		99.8	70 - 130			
,2,4-Trimethylbenzene	49.6	2.5	50.000		99.2	70 - 130			
sec-Butylbenzene	49.0	2.5	50.000		98.1	70 - 130			
1,3-Dichlorobenzene	47.3	2.5	50.000		94.6	70 - 130			
4-Isopropyltoluene	50.4	2.5	50.000		101	70 - 130			
		2.5	50.000		93.4	70 - 130			
1,4-Dichlorobenzene	46.7	Aur. J	20.000		22.7	10-120			

Complete Environmental Testing, Inc.

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J0542-BS1) - Continued					Prepared: 1	0/5/2022 Analy:	zed: 10/5/202	2.2	
n-Butylbenzene	49.4	2.5	50.000		98.8	70 - 130			
1,2,4-Trichlorobenzene	50.0	2.5	50.000		100	70 - 130			
Hexachlorobutadiene	46.0	2.5	50.000		92.0	70 - 130			
Naphthalene	53.3	5.0	50.000		107	70 - 130			
1,2,3-Trichlorobenzene	49.2	5.0	50.000		98.4	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					84.8	70 - 130			
Surrogate: Toluene-d8					96.5	70 - 130			
Surrogate: 4-Bromofluorobenzene					101	70 - 130			

### Batch B2J0637 - EPA 8260C

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J0637-BLK1)					Prepared: 1	0/6/2022 Analyz	zed; 10/6/2022	2	
Methyl-t-Butyl Ether (MTBE)	ND	2.5						-	
Benzene	ND	2.5							
Toluene	ND	2.5							
Chlorobenzene	ND	2.5							
Ethylbenzene	ND	2.5							
n+p Xylenes	ND	5.0							
o-Xylene	ND	2.5							
Styrene	ND	2.5							
sopropylbenzene	ND	2.5							
Bromobenzene	ND	2.5							
-Propylbenzene	ND	2.5							
-Propyroenzene -Chlorotoluene									
-Chlorotoluene	ND ND	2.5							
		2.5							
,3,5-Trimethylbenzene	ND	2.5							
ert-Butylbenzene	ND	2.5							
,2,4-Trimethylbenzene	ND	2.5							
ec-Butylbenzene	ND	2.5							
,3-Dichlorobenzene	ND	2.5							
-Isopropyltoluene	ND	2.5							
4-Dichlorobenzene	ND	2.5							
,2-Dichlorobenzene	ND	2.5							
-Butylbenzene	ND	2.5							
2,4-Trichlorobenzene	ND	2.5							
lexachlorobutadiene	ND	2.5							
Japhthalene	ND	5.0							
,2,3-Trichlorobenzene	ND	5.0							
urrogate: 1,2-Dichloroethane-d4					106	70 - 130			
urrogate: Toluene-d8					99.8	70 - 130			
urrogate: 4-Bromofluorobenzene					99.5	70 - 130			
.CS (B2J0637-BS1)					Prenared: 1	0/6/2022 Analyz	red: 10/6/2022	!	
fethyl-t-Butyl Ether (MTBE)	51.3	2.5	50.000		103	70 - 130			
enzene	50.9	2.5	50.000		103	70 - 130			
oluene	48.9	2.5	50.000		97.8	70 - 130 70 - 130			
hlorobenzene	47.1	2.5	50.000						
thylbenzene	47.1	2.5 2.5	50.000		94.1	70 - 130			
ntyloenzene n+p Xylenes	47.8 98.8				95.5	70 - 130			
		5.0	100.000		98.8	70 - 130			
-Xylene tyrene	50.5	2.5	50,000		101	70 - 130			
•	50.9	2.5	50.000		102	70 - 130			
sopropylbenzene	52.1	2.5	50.000		104	70 - 130			
romobenzene	47.6	2.5	50.000		95.2	70 - 130			
-Propylbenzene	51.2	2.5	50.000		102	70 - 130			
Chlorotoluene	49.2	2.5	50.000		98.4	70 - 130			
-Chlorotoluene	49.2	2.5	50.000		98.3	70 - 130			
3,5-Trimethylbenzene	51.5	2.5	50.000		103	70 - 130			
rt-Butylbenzene	53.2	2.5	50.000		106	70 - 130			
2,4-Trimethylbenzene	50.8	2.5	50.000		102	70 - 130			
c-Butylbenzene	54.0	2.5	50.000		108	70 - 130			
3-Dichlorobenzene	47.9	2.5	50.000		95.8	70 - 130			
Isopropyltoluene	54.0	2.5	50.000		108	70 - 130			
4-Dichlorobenzene	47.0	2.5	50.000		94.0	70 - 130			
2-Dichlorobenzene	47.6	2.5	50.000		95.2	70 - 130			

Complete Environmental Testing, Inc.

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J0637-BS1) - Continued	·				Prepared: 1	0/6/2022 Analyz	ed: 10/6/202	22	
n-Butylbenzene	54.3	2.5	50.000		109	70 - 130			
1,2,4-Trichlorobenzene	49.4	2.5	50.000		98.7	70 - 130			
Hexachlorobutadiene	52.6	2.5	50.000		105	70 - 130			
Naphthalene	49.9	5.0	50.000		99.7	70 - 130			
1,2,3-Trichlorobenzene	46.7	5.0	50.000		93.4	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					103	70 - 130			
Surrogate: Toluene-d8					100	70 - 130			
Surrogate: 4-Bromofluorobenzene					101	70 - 130			

### Batch B2J0701 - CT-ETPH

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes	
Blank (B2J0701-BLK1)					Prepared: 10/7/2022 Analyzed: 10/7/2022					
ЕТРН	ND	50								
Surrogate: Octacosane					102	50 - 150				
LCS (B2J0701-BS1)						Prepared: 10/7/2022 Analyzed: 10/7/2022				
ЕТРН	1420	50	1,500.000		94.7	60 - 120				
Surrogate: Octacosane					97.2	50 - 150				
Duplicate (B2J0701-DUP1)		Source: 2100051-01			Prepared: 10/7/2022 Analyzed: 10/7/2022					
ЕТРН	ND	53		ND				30		
Surrogate: Octacosane					99.1	50 - 150				
Matrix Spike (B2J0701-MS1)		Source: 2100051-01			Prepared: 10/7/2022 Analyzed: 10/7/2022					
ЕТРН	1510	53	1,587.302	ND	94.9	50 - 150				
Surrogate: Octacosane					93.9	50 - 150	H7F. = = =			
Matrix Spike Dup (B2J0701-MSD1)		Source: 2100051-01			Prepared: 10/7/2022 Analyzed: 10/7/2022					
ЕТРН	1510	53	1,599.912	ND	94.3	50 - 150	0.168	30		
Surrogate: Octacosane					90.8	50 - 150				

#### Batch B2J0702 - EPA 8270D

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J0702-BLK1)					Prepared: 1	0/7/2022 Analy	zed: 10/7/202	2	
Naphthalene	ND	100							
2-Methyl Naphthalene	ND	200							
Acenaphthylene	ND	100							
Acenaphthene	ND	100							
Fluorene	ND	100							
Phenanthrene	ND	100							
Anthracene	ND	100							
Fluoranthene	ND	100							
yrene	ND	100							
Benzo[a]anthracene	ND	100							
Chrysene	ND	100							
Benzo[b]fluoranthene	ND	100							
Benzo[k]fluoranthene	ND	100							
Benzo[a]pyrene	ND	100							
Indeno[1,2,3-cd]pyrene	ND	100							
Dibenz[a,h]anthracene	ND	100							
Benzo[g,h,i]perylene	ND	100							
Surrogate: Nitrobenzene-d5					41.0	30 - 130			
Surrogate: 2-Fluorobiphenyl					47.5	30 - 130			
Surrogate: Terphenyl-d14					53.0	30 - 130			
LCS (B2J0702-BS1)					Prepared: 1	0/7/2022 Analy	zed: 10/7/202	.2	
Naphthalene	1760	100	4,000.000		43.9	40 - 140			
2-Methyl Naphthalene	1880	200	4,000.000		47.0	40 - 140			
Acenaphthylene	1800	100	4,000.000		45.0	40 - 140			
Acenaphthene	1870	100	4,000.000		46.8	40 - 140			
fluorene	2070	100	4,000.000		51.6	40 - 140			
Phenanthrene	2030	100	4,000.000		50.8	40 - 140			
Anthracene	2080	100	4,000.000		52.1	40 - 140			
Fluoranthene	2180	100	4,000.000		54.5	40 - 140			
Pyrene	2190	100	4,000.000		54.7	40 - 140			
Benzo[a]anthracene	2010	100	4,000.000		50.4	40 - 140			
Chrysene	2060	100	4,000.000		51.4	40 - 140			
Benzo[b]fluoranthene	1990	100	4,000.000		49.8	40 - 140			
Benzo[k]fluoranthene	1970	100	4,000.000		49.1	40 - 140			
Benzo[a]pyrene	2070	100	4,000.000		51.7	40 - 140			
ndeno[1,2,3-cd]pyrene	2250	100	4,000.000		56.3	40 - 140			
Dibenz[a,h]anthracene	2140	100	4,000.000		53.5	40 - 140			
Benzo[g,h,i]perylene	2270	100	4,000.000		56.9	40 - 140			
Surrogate: Nitrobenzene-d5					53.9	30 - 130			
Surrogate: 2-Fluorobiphenyl					58.1	30 - 130			
Surrogate: Terphenyl-d14					65.9	30 - 130			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

Danid Statta

R Blah J

David Ditta

Laboratory Director

Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

#### Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

Surrogate Recovery The % recovery for non-target organic compounds that are spiked into all samples. Used to determine

method performance.

Continuing Calibration An analytical standard analyzed with each set of samples to verify initial calibration of the system.

Batch Samples that are analyzed together with the same method, sequence and lot of reagents within the same

ND Not detected at or above the specified reporting limit.

RI. RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture. Dilution

Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample. Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample.

**RPD** Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample. LCS % Recovery

Recovery Limits A range within which specified measurements results must fall to be compliant.

CC Calibration Verification

Flags:

Recovery is above the control limits

Recovery is below the control limits

B- Compound detected in the Blank

RPD of dual column results exceeds 40%

Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982 Rhode Island Certification 199



Laboratory Name:

Project Location:

ECS

### REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Complete Environmental Testing, Inc.

Client: Advanced Envir. Redevelopment

Project Number:

Labora	atory Sample ID(s):	Sample Date(s):	
210005	1-01 thru 2100051-03	10/04/2022	
	CP Methods Used: . EPA 1312, EPA 6010C, EPA 6020A, EPA 8260C, EPA 8270D	<b>CET#:</b> 2100051	
1	For each analytical method referenced in this laboratory report p performance criteria followed, including the requirement to expl acceptable guidelines, as specified in the CTDEP method-specific Protocol documents?	ain any criteria falling outside of	✓ Yes No
1A	Were the method specified preservation and holding time require	ements met?	☑Yes □ No
1В	VPH and EPH Methods only: Was the VPH and EPH method or modifications (see Section 11.3 of respective RCP methods)?	onducted without significant	Yes No
2	Were all samples received by the laboratory in a condition consist associated chain-of-custody document(s)?	stent with that described on the	✓ Yes No
3	Were samples received at an appropriate temperature (< 6 degree	es C.)?	Yes No
4	Were all QA/QC performance criteria specified in the CT DEP R documents achieved?	leasonable Confidence Protocol	☑ Yes ☐ No
5a	a) Were reporting limits specified or referenced on the chain-of-c	custody?	Yes No
5b	b) Were these reporting limits met?		Yes No
6	For each analytical method referenced in this laboratory report pall consituents identified in the method-specific analyte lists pres Confidence Protocol documents?		Yes No
7	Are project specific matrix spikes and laboratory duplicates inclu	uded with this data set?	Yes No
must b	For all questions to which the response was "No" (with the except e provided in an attached narrative. If the answer to question #1, # et the requirements for "Reasonable Confidence."  orm may not be altered and all questions must be answered.	ion of question #7), additional information 1A, or #1B is "No", the data package does	
and cont Auti	e undersigned, attest under the pains and penaltice belief and based upon my personal inquiry of thos ained in this analytical report, such information is norized Signature:	e responsible for providing the informat accurate and complete.  Position: <u>Laboratory Director</u>	
	ted Name: <u>David Ditta</u> se of Laboratory: <u>Complete Environmental Testin</u>	Date: <u>10/10/2022</u> g <u>, Inc.</u>	
	This certification form is t	o be used for RCP methods only.	

#### **RCP Case Narrative**

6- The client requested a subset of the RCP 8260, 8270, and metals lists.

#### QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B2J0701		2100051-01	MW-1	СТ-ЕТРН	Soil	10/04/2022
B2J0701		2100051-02	MW-2	СТ-ЕТРН	Soil	10/04/2022
B2J0701		2100051-03	MW-3	СТ-ЕТРН	Soil	10/04/2022
B2J0516		2100051-01	MW-1	EPA 1312	Soil	10/04/2022
B2J0516		2100051-02	MW-2	EPA 1312	Soil	10/04/2022
B2J0516		2100051-03	MW-3	EPA 1312	Soil	10/04/2022
B2J0504	S2J0502	2100051-01	MW-1	EPA 6010C	Soil	10/04/2022
B2J0504	S2J0502	2100051-02	MW-2	EPA 6010C	Soil	10/04/2022
B2J0504	S2J0502	2100051-03	MW-3	EPA 6010C	Soil	10/04/2022
B2J0526	S2J0509	2100051-01	MW-1	EPA 6020A	Soil	10/04/2022
B2J0526	S2J0509	2100051-02	MW-2	EPA 6020A	Soil	10/04/2022
B2J0526	S2J0509	2100051-03	MW-3	EPA 6020A	Soil	10/04/2022
B2J0542	S2J0602	2100051-01	MW-1	EPA 8260C	Soil	10/04/2022
B2J0542	S2J0602	2100051-02	MW-2	EPA 8260C	Soil	10/04/2022
B2J0637	S2J0703	2100051-03	MW-3	EPA 8260C	Soil	10/04/2022
B2J0702	S2J0710	2100051-01	MW-1	EPA 8270D	Soil	10/04/2022
B2J0702	S2J0710	2100051-02	MW-2	EPA 8270D	Soil	10/04/2022
B2J0702	S2J0710	2100051-03	MW-3	EPA 8270D	Soil	10/04/2022



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Soil	
ЕТРН	CT
EPA 6010C in Soil	0.
Lead	CTNVDA
EPA 6020A in Water	CT,NY,PA
Lead	CT
EPA 8260C in Soil	
Methyl-t-Butyl Ether (MTBE)	CT,NY,PA
Benzene	CT,NY,PA
Toluene	CT,NY,PA
Chlorobenzene	CT,NY,PA
Ethylbenzene	CT,NY,PA
m+p Xylenes	CT,NY,PA
o-Xylene	CT,NY,PA
Styrene	CT,NY,PA
Isopropyibenzene	CT,NY,PA
Bromobenzene	CT,NY,PA
n-Propylbenzene	CT,NY,PA
2-Chlorotoluene	CT,NY,PA
4-Chlorotoluene	CT,NY,PA
1,3,5-Trimethylbenzene	CT,NY,PA
tert-Butylbenzene	CT,NY,PA
1,2,4-Trimethylbenzene	CT,NY,PA
sec-Butylbenzene	CT,NY,PA
1,3-Dichlorobenzene	CT,NY,PA
4-Isopropyltoluene	CT,NY,PA
1,4-Dichlorobenzene	CT,NY,PA
1,2-Dichlorobenzene	CT,NY,PA
n-Butylbenzene	CT,NY,PA
1,2,4-Trichlorobenzene	CT,NY,PA
Hexachlorobutadiene	CT,NY
Naphthalene	CT,NY,PA
1,2,3-Trichlorobenzene	CT
EPA 8270D in Soil	
Naphthalene	CT,NY,PA
2-Methyl Naphthalene	CT,NY,PA
Acenaphthylene	CT,NY,PA
Acenaphthene	CT,NY,PA
Fluorene	CT,NY,PA
Phenanthrene	CT,NY,PA
nthracene	CT,NY,PA
oranthene	CT,NY,PA
ne	CT,NY,PA
[a]anthracene	CT,NY,PA
e	CT,NY,PA
fluoranthene	CT,NY,PA
ioranthene	CT,NY,PA
ne	CT,NY,PA
'd]pyrene	CT,NY,PA

#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte	Certifications	
EPA 8270D in Soil		
Dibenz[a,h]anthracene	CT,NY,PA	
Benzo[g,h,i]perylene	CT,NY,PA	
SM 2540 G in Soil		
Percent Solids	CT	

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
NY	New York Certification (NELAC)	11982	04/01/2023
PA	Pennsylvania DEP	68-02927	05/31/2023

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CHAIN OF CUSTODY

Date and Time in Freeze 22/20/01 Client:

Volatile Soils Only

Additional Analysis

Metals

MOTE #

Labito Filter

Field Filtered

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TCLP

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49 CT DEP 13 Priority Poll

8 RCHA

PCBs

Pesticides

**BAN9 07S8** 

9270 CT List CT ETPH

8260 Halogens

8260 Aromatics 8260 CT List

Std (5-7 Days)

Three Day

TWO Day \* Next Day \* Same Day

Date/Time

(include Units for any sample depths provided)

300

32

Sample ID/Sample Depths

Collection

BSA ☐ XOS ☐

Turnaround Time \*\*\*

Tel: (203) 377-9984 Fax: (203) 377-9952

80 Lupes Drive Stratford, CT 06615

e-mail: cetservices@cetlabs.com e-mail: bottleorders@cetlabs.com

COMPLETE ENVIRONMENTAL TESTING, INC.

(check one)

TOTAL # OF CONT.

CET:

Project Information

NOTES:

1305

RECEIVED BY:

DATE/TIME

ä

RELINQUISHED

INQUIRHED BY

Client / Reporting Information

Company Name

Address

Š

E=Encore)

W=Water F= Empty

(CI-HCI, N-HNOs, S-H2SOs, Na-NaOH, C=Cool, O-Other)

PRESERVATIVE

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

HO9W=W)

Soil/Vocs drifty

INQUISH

Project #: PO#...

☐ Site Specific (MS/MSD) \* 89 EDD - Specify Format ₩ □ **RSR Reporting Limits (check one)** Std Data Report | PDF QA/QC

Evidence of Cooling: Laboratory Certification Needed (check one) ģ Temp Upon

\*\* TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. wil start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. \* Additional charge may apply.

Page 24 of 24

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MA

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5

6

PAGE

DOAW

RCP Pkg \*

Collector(s):

CET Quote #

용

State

E-mail

Report To:

Phone #

Fax#

Location: Project:

Other

Offher

80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cet1@cetlabs.com

Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213

Bridgeport, CT 06606

GW

## Analytical Report CET# 2100717

Report Date:October 28, 2022 Project: 444 Sport Hill Rd, Easton





Project: 444 Sport Hill Rd, Easton

#### SAMPLE SUMMARY

The sample(s) were received at 1.9°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
MW-1	2100717-01	Water	10/24/2022 18:20	10/25/2022
MW-2	2100717-02	Water	10/24/2022 17:45	10/25/2022
MW-3	2100717-03	Water	10/24/2022 16:40	10/25/2022

Project: 444 Sport Hill Rd, Easton

#### Client Sample ID MW-1 Lab ID: 2100717-01

Conn. Extractable TPH Method: CT-ETPH

**Analyst: PDS** 

Matrix: Water

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	0.39	0.10	1	EPA 3510C	B2J2701	10/27/2022	10/28/2022 01:13	Ra
Surrogate: Octacosane	103 %	5	0 - 150		B2J2701	10/27/2022	10/28/2022 01:13	

Ra C12-C36 unknown; Tall Peak near C12

Semivolatile Organics By SIM

Method: EPA 8270D

**Analyst: TWF** 

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Acenaphthylene	ND	0.30	ı	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Acenaphthene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Fluorene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Phenanthrene	ND	0.077	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Anthracene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Fluoranthene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Pyrene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Benzo[a]anthracene	NĐ	0.060	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Chrysene	ND	0.50	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 21:42	
Surrogate: Nitrobenzene-d5	65.8 %	3	0 - 130		B2J2601	10/26/2022	10/26/2022 21:42	
Surrogate: 2-Fluorobiphenyl	84.0 %	3	0 - 130		B2J2601	10/26/2022	10/26/2022 21:42	
Surrogate: Terphenyl-d14	106 %	3	0 - 130		B2J2601	10/26/2022	10/26/2022 21:42	

Project: 444 Sport Hill Rd, Easton

#### Client Sample ID MW-1 Lab ID: 2100717-01

Volatile Organics
Method: EPA 8260C

**Analyst: PMD** 

							173.60	IIX. Water
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Benzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Toluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Chlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Ethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
m+p Xylenes	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
o-Xylene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Styrene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Isopropylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Bromobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
n-Propylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
n-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Naphthalene	ND	1.0	I	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:29	
Surrogate: 1,2-Dichloroethane-d4	119 %	7	0 - 130		B2J2546	10/26/2022	10/26/2022 04:29	
Surrogate: Toluene-d8	103 %	7	0 - 130		B2J2546	10/26/2022	10/26/2022 04:29	
Surrogate: 4-Bromofluorobenzene	99.4 %	7	0 - 130		B2J2546	10/26/2022	10/26/2022 04:29	

Project: 444 Sport Hill Rd, Easton

#### Client Sample ID MW-2 Lab ID: 2100717-02

Conn. Extractable TPH Method: CT-ETPH

**Analyst: PDS** 

Matrix: Water

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	0.18	0.10	1	EPA 3510C	B2J2701	10/27/2022	10/28/2022 01:34	R
Surrogate: Octacosane	91.1%	5	0 - 150		B2J2701	10/27/2022	10/28/2022 01:34	

R C10-C36 unknown

Semivolatile Organics By SIM

Method: EPA 8270D

Analyst: TWF

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Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Acenaphthylene	ND	0.30	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Acenaphthene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Fluorene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Phenanthrene	ND	0.077	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Anthracene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Fluoranthene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Pyrene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Chrysene	ND	0.50	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:05	
Surrogate: Nitrobenzene-d5	63.6 %	3	0 - 130		B2J2601	10/26/2022	10/26/2022 22:05	
Surrogate: 2-Fluorobiphenyl	76.0 %	30 - 130			B2J2601	10/26/2022	10/26/2022 22:05	
Surrogate: Terphenyl-d14	104 %	3	30 - 130		B2J2601	10/26/2022	10/26/2022 22:05	

Project: 444 Sport Hill Rd, Easton

#### Client Sample ID MW-2 Lab ID: 2100717-02

Volatile Organics
Method: EPA 8260C

Analyst: PMD

							IVIAU	rix: wat
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Benzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Toluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Chlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Ethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
n+p Xylenes	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
-Xylene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Styrene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
sopropylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Bromobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
-Propylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
-Chlorotoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
-Chlorotoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
ert-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
ec-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
-Isopropyltoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
· Iexachlorobutadiene	ND	0.45	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Naphthalene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 04:52	
Surrogate: 1,2-Dichloroethane-d4	116%	7	70 - 130		B2J2546	10/26/2022	10/26/2022 04:52	
Surrogate: Toluene-d8	101 %	70 - 130			B2J2546	10/26/2022	10/26/2022 04:52	
iurrogate: 4-Bromofluorobenzene	98.1 %	7	70 - 130		B2J2546	10/26/2022	10/26/2022 04:52	

Project: 444 Sport Hill Rd, Easton

#### Client Sample ID MW-3 Lab ID: 2100717-03

Conn. Extractable TPH

**Analyst: PDS** 

Method: CT-ETPH

Matrix: Water

Analyte	Result (mg/L)			Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	0,12	0.10	1	EPA 3510C	B2J2701	10/27/2022	10/28/2022 01:55	R
Surrogate: Octacosane	91.6%	5	0 - 150		B2J2701	10/27/2022	10/28/2022 01:55	

R C10-C36 unknown

Semivolatile Organics By SIM

Method: EPA 8270D

**Analyst: TWF** 

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
		,						
Naphthalene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Acenaphthylene	ND	0.30	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Acenaphthene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Fluorene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Phenanthrene	ND	0.077	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Anthracene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Fluoranthene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Pyrene	ND	1.0	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Chrysene	ND	0.50	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	B2J2601	10/26/2022	10/26/2022 22:29	
Surrogate: Nitrobenzene-d5	68.6 %	3	0 - 130		B2J2601	10/26/2022	10/26/2022 22:29	
Surrogate: 2-Fluorobiphenyl	87.0 %	3	0 - 130		B2J2601	10/26/2022	10/26/2022 22:29	
Surrogate: Terphenyl-d14	95.6 %	3	0 - 130		B2J2601	10/26/2022	10/26/2022 22:29	

Project: 444 Sport Hill Rd, Easton

#### Client Sample ID MW-3 Lab ID: 2100717-03

Volatile Organics
Method: EPA 8260C

**Analyst: PMD** 

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Benzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Toluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Chlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Ethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
m+p Xylenes	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
o-Xylene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Styrene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Isopropylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Bromobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
n-Propylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05;16	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
n-Butylbenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Naphthalene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B2J2546	10/26/2022	10/26/2022 05:16	
Surrogate: 1,2-Dichloroethane-d4	113 %	7	70 - 130		B2J2546	10/26/2022	10/26/2022 05:16	
Surrogate: Toluene-d8	102 %	7	70 - 130		B2J2546	10/26/2022	10/26/2022 05:16	
Surrogate: 4-Bromofluorobenzene	97.7 %	7	70 - 130		B2J2546	10/26/2022	10/26/2022 05:16	

Project: 444 Sport Hill Rd, Easton

#### QUALITY CONTROL SECTION

#### Batch B2J2546 - EPA 8260C

ND N	5.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0			Prepared: 10	)/25/2022 Analy	vzed: 10/25/20	022	
ND N	1.0 1.0 1.0 1.0 1.0 1.0 1.0							
ND	1.0 1.0 1.0 1.0 1.0 1.0							
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.CET #: 2100717

Project: 444 Sport Hill Rd, Easton

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J2546-BS1) - Continued					Prepared: 1	0/25/2022 Anal	zed: 10/25/2	2022	
4-Isopropyltoluene	48.5	1.0	50.000		97.0	70 - 130			
1,4-Dichlorobenzene	45.0	1.0	50.000		90.1	70 - 130			
1,2-Dichlorobenzene	46.5	1.0	50.000		92.9	70 - 130			
n-Butylbenzene	47.5	1.0	50.000		94.9	70 - 130			
1,2,4-Trichlorobenzene	44.5	1.0	50.000		89.0	70 - 130			
Hexachlorobutadiene	41.2	0.45	50,000		82.4	70 - 130			
Naphthalene	49.2	1.0	50.000		98.4	70 - 130			
1,2,3-Trichlorobenzene	43.7	1.0	50.000		87.4	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					111	70 - 130			
Surrogate: Toluene-d8					102	70 - 130			
Surrogate: 4-Bromofluorobenzene					100	70 - 130			

Project: 444 Sport Hill Rd, Easton

#### Batch B2J2601 - EPA 8270D

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J2601-BLK1)					Prepared: 10	)/26/2022 Anal	yzed: 10/26/2	2022	
Naphthalene	ND	1.0							
2-Methyl Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
Fluorene	ND	1.0							
henanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
yrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.20							
ndeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: Nitrobenzene-d5					66.2	30 - 130			
urrogate: 2-Fluorobiphenyl					82.2	30 - 130			
urrogate: Terphenyl-d14					102	30 - 130			
LCS (B2J2601-BS1)					Prepared: 10	)/26/2022 Anal	yzed: 10/26/2	2022	
Vaphthalene	1.36	1.0	2.000		68.0	40 - 140			
-Methyl Naphthalene	1.43	1.0	2.000		71.5	40 - 140			
cenaphthylene	1.34	0.30	2.000		67.0	40 - 140			
cenaphthene	1.41	1.0	2.000		70.5	40 - 140			
luorene	1.51	1.0	2.000		75.5	40 - 140			
henanthrene	1.47	0.077	2.000		73.5	40 - 140			
Anthracene	1.51	1.0	2.000		75.5	40 - 140			
luoranthene	1.56	1.0	2.000		78.0	40 - 140			
yrene	1.56	1.0	2.000		78.0	40 - 140			
Benzo[a]anthracene	1.52	0.060	2.000		76.0	40 - 140			
Chrysene	1.48	0.50	2.000		74.0	40 - 140			
Benzo[b]fluoranthene	1.56	0.080	2.000		78.0	40 - 140			
Benzo[k]fluoranthene	1.59	0.30	2.000		79.5	40 - 140			
Benzo[a]pyrene	1.59	0.20	2.000		79.5	40 - 140			
ndeno[1,2,3-cd]pyrene	1.52	0.10	2.000		76.0	40 - 140			
Dibenz[a,h]anthracene	1.52	0.10	2.000		76.0	40 - 140			
Benzo[g,h,i]perylene	1.53	0.40	2.000		76.5	40 ~ 140			
urrogate: Nitrobenzene-d5					71.6	30 - 130			
urrogate: 2-Fluorobiphenyl					83.2	30 - 130			
urrogate: Terphenyl-d14					92.2	30 - 130			

Project: 444 Sport Hill Rd, Easton

#### Batch B2J2701 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J2701-BLK1)					Prepared: 10	0/27/2022 Anal	yzed: 10/27/	2022	
ЕТРН	ND	0.10							
Surrogate: Octacosane					104	50 - 150			
LCS (B2J2701-BS1)					Prepared: 10	9/27/2022 Anal	yzed: 10/27/	2022	
ЕТРН	0.463	0.10	0.500		92.6	60 - 120			
Surrogate: Octacosane					97.8	50 - 150			

Project: 444 Sport Hill Rd, Easton

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Sitta

RBlah J.

David Ditta

Laboratory Director

Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

Project: 444 Sport Hill Rd, Easton

80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

Surrogate Recovery The % recovery for non-target organic compounds that are spiked into all samples. Used to determine

method performance.

**Continuing Calibration** An analytical standard analyzed with each set of samples to verify initial calibration of the system.

Batch Samples that are analyzed together with the same method, sequence and lot of reagents within the same

time period.

ND Not detected at or above the specified reporting limit.

RL RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

Dilution Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample. Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Amount of analyte found in duplicate spikes including amount that was spike. Matrix Spike Dup

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample. **RPD** 

Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

Calibration Verification

Flags:

H- Recovery is above the control limits

Recovery is below the control limits

B-Compound detected in the Blank

P- RPD of dual column results exceeds 40%

Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982 Rhode Island Certification 199



### REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Labor	Laboratory Name: Complete Environmental Testing, Inc.		Client: Advanced Envir. Re	development			
Projec	ct Location:	444 Sport Hill Rd, Easton	Project Number:				
Labor	atory Sample 1	D(s):	Sample Date(s):				
21007	17-01 thru 21007	17-03	10/24/2022				
List R	CP Methods Us	sed:	<b>CET#:</b> 2100717				
CT-ETPI	H, EPA 8260C, EPA 82	270D					
1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?						
1A	Were the method	✓ Yes No					
1B		Methods only: Was the VPH and EPH method conducted with ee Section 11.3 of respective RCP methods)?	out significant	Yes No ✓ N/A			
2	Were all sample	✓ Yes No					
3	Were samples re	Yes No					
4	Were all QA/QC documents achie	C performance criteria specified in the CT DEP Reasonable Coved?	onfidence Protocol	✓ Yes No			
5a	a) Were reportin	g limits specified or referenced on the chain-of-custody?		Yes No			
5b	b) Were these re	porting limits met?		✓ Yes No			
6	For each analyti all consituents ic Confidence Prot	results reported for Reasonable	Yes No				
7	Are project spec	data set?	Yes No				
must not m	be provided in an a neet the requiremen	to which the response was "No" (with the exception of question trached narrative. If the answer to question #1, #1A, or #1B is ts for "Reasonable Confidence." tered and all questions must be answered.	**				
and	l belief and ba	I, attest under the pains and penalties of perjuised upon my personal inquiry of those responsionallytical report, such information is accurate ture:	ible for providing the informat				

This certification form is to be used for RCP methods only.

Date: 10/28/2022

Name of Laboratory: Complete Environmental Testing, Inc.

Printed Name: David Ditta

#### **RCP Case Narrative**

6- The client requested a subset of the RCP 8260 and 8270 lists.

7- Project specific QC was not requested by the client.

#### QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B2J2701		2100717-01	MW-1	СТ-ЕТРН	Water	10/24/2022
B2J2701		2100717-02	MW-2	СТ-ЕТРН	Water	10/24/2022
B2J2701		2100717-03	MW-3	СТ-ЕТРН	Water	10/24/2022
B2J2546	S2J2607	2100717-01	MW-1	EPA 8260C	Water	10/24/2022
B2J2546	S2J2607	2100717-02	MW-2	EPA 8260C	Water	10/24/2022
B2J2546	S2J2607	2100717-03	MW-3	EPA 8260C	Water	10/24/2022
B2J2601	S2J2713	2100717-01	MW-1	EPA 8270D	Water	10/24/2022
B2J2601	S2J2713	2100717-02	MW-2	EPA 8270D	Water	10/24/2022
B2J2601	S2J2713	2100717-03	MW-3	EPA 8270D	Water	10/24/2022

#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Water	
ЕТРН	CT,RI
EPA 8260C in Water	
Methyl-t-Butyl Ether (MTBE)	CT,NY
Benzene	CT,NY
Toluene	CT,NY
Chlorobenzene	CT,NY
Ethylbenzene	CT,NY
m+p Xylenes	CT,NY
o-Xylene	CT,NY
Styrene	CT,NY
Isopropylbenzene	CT,NY
Bromobenzene	CT,NY
n-Propylbenzene	CT,NY
2-Chlorotoluene	CT,NY
4-Chlorotoluene	CT,NY
1,3,5-Trimethylbenzene	CT,NY
tert-Butylbenzene	CT,NY
1,2,4-Trimethylbenzene	CT,NY
sec-Butylbenzene	CT,NY
1,3-Dichlorobenzene	CT,NY
4-Isopropyltoluene	CT,NY
1,4-Dichlorobenzene	CT,NY
1,2-Dichlorobenzene	CT,NY
n-Butylbenzene	CT,NY
1,2,4-Trichlorobenzene	CT,NY
Hexachlorobutadiene	CT,NY
Naphthalene	CT,NY
1,2,3-Trichlorobenzene	CT,NY
EPA 8270D in Water	
Naphthalene	CT
2-Methyl Naphthalene	CT
Acenaphthylene	CT
Acenaphthene	CT
Fluorene	CT
Phenanthrene	СТ
Anthracene	CT
Fluoranthene	CT
Pyrene	CT
Benzo[a]anthracene	CT
Chrysene	CT
Benzo[b]fluoranthene	СТ
Benzo[k]fluoranthene	CT
Benzo[a]pyrene	CT
Indeno[1,2,3-cd]pyrene	CT
Dibenz[a,h]anthracene	СТ
Benzo[g,h,i]perylene	СТ

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
NY	New York Certification (NELAC)	11982	04/01/2023
RI	Rhode Island Certification	LAO 00227	12/30/2022

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COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Date and Time in Freezer Client:

Voletile Soils Only

CET

HOLE # TOTAL # OF CONT. 77 PA DOAW. Additional Analysis S.F. Therap A-RCP Pkg\* □ Officer CI SWP Project Information Collector(s): Project #: Site Specific (MS/MSD) Lab to Fitter 8 Field Filtered EB | Dissolved □ EDD - Specify Format **9JOT** Metals 4748 A-GA **IstoT** 15 CT DEP F45100 13 Priority Poli RSR Reporting Limits (check one) 8 HCHA ₽85 □ Pesticides □ SOX □ VSE PCBs TO ADD Ú 8AN9 07S8 8270 CT List 4 Data Report CT ETPH CET Quote # 8260 Halogens Location: NOTES QA/QC Project: 8260 Aromatics 8Seo CT List Turnaround Time \*\* (6Y8C) 7-6) bi8 536 (check one) Three Day \* " VEC OWT Next Day \* Same Day E-Encore Wipe Other (Specify) 경 PRESERVATIVE (CL-HCI, N-HNOs, S-H2SOs, Na-NaOH, C=Cool, O-Other) RECEIVED BY: DEET - KE HIX O 10/2H2/0/ 11-21 -CE |KE | D Date/Time B= Sodium W=Water F= Vial Collection E-mail Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cetservices@cetlabs.com mail: bottleorders@cetlabs.com CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other) SH PY-2036 DATE/TIME (include Units for any sample depths provided) State Sample ID/Sample Depths Client / Reporting Information S MY ST. NO (M=MeOH 7 80 Lupes Drive Stratford, CT 06615 RELINCUISHED BY Soil VOCs Only Company Name RELINDUSE

REV. 12/18 Page 19 of 19 \*\* TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. \* Additional charge may apply.

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Evidence of

Laboratory Certification Needed (check one)

Cooling:

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Temp Upon Receipt

Fax#

Report To:

Address

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Phone #

ADVANCED ENVIRONMENTAL REDEVELORMENT Low Flow Purging and Sampling Guidance

# LOW FLOW SAMPLING DATA SHEET

Well Disputed With   Well Dispute   Streen   S	AONITOR WEI	9 :	A DE	Mary Lawy	Ua!		CONSUL FIELD P	CONSULTING FIRM: FIELD PERSONNEL:	B.F. Tre	Heron				
BENEATH OUTER CAP:   PUMP INTAKE DEPTR		77	No S	WELL DIAME	no de	Peet Inohes			SCREEN	RED/OPEN INT	ERVAL:			
Color   Colo	'ID/IGID R.B.AD)	INGS (ppm);	BACKGRON BENEATH C	UND; DUTER CAP; NNER CAP;		PUMP	INTAKE DE	PTH. A. B. BEFORE PUR	ft below TOC	TON:	below TOC			
S	RGING		pH Hunks)	. SPECIFIC CONDUCTIVITY (mS/cn)	REDON POTENTI (my)	AL VE	SIG	SOLVED CYGEN mg/l)	TUR	BIDITY	TEMET	BRATURE	PUMPING	DEPTHTO
6.34 1.356 42.1 17.01 25.9 17.45 163 6.13 1.378 23.6 3.60 46.0 17.56 6.13 1343 23.6 3.78 144 144 17.50	Uq	-	$\neg$	1	READING	IANGE*		. CHANGE*	READING	CHANGE	READING	CHANGE	RATE (ml/min)	WATER (ft below TOC)
6.13 1.378 33.6 3.00 96.0 19.56 6.13 13.78 32.6 3.78 144 17.50	30	150		1.360	7		0		25.9		17,43		163	
6.13 1.378 25.6 2.78 144 2.78 2.78 2.78 144 101 2.78 2.78 2.78 101 2.78 2.78 2.78 2.78 2.78 2.78 2.78 2.78	201	M		1.2.H	S		B		98.0		19,50			
6.18 1343 33.0 3.73 101	48)	9		1.378	25.6		2.78		=		26			
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As admin to j

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ADVANCED ENVIRONMENTAL REDEVELOFMENT Low Flow Purging and Sampling Guidance

# LOW FLOW SAMPLING DATA SHEET

ප් DEPTH TO WATER (ft below TOC) SHEET PUMPING RATE (mt/min) S CHANGE TEMPERATURE (degrees C) 3 8.58 25.54 8-18 37.20 8,69 R W 2,76 6.79 ft below TOC 27% REALDING CO SCREENED/OPEN INTERVAL: CHANGE DEPTH TO WATER BEFORE PUMP INSTALLATION: TURBIDITY (NITU) A below TOC 7.68 7 200 READING U ى 200 5 学 U CONSULTING FIRM AER FIELD PERSONNEL: CHANGE DISSOLVED OXYGEN PUMP INTAKE DEPTH. (mg/l) 4816 2 T'S M' 2 Po Po READING 学访 3,09 W 100 S 22 Inches CHANGE. Fee REDOX POTENTIAL (mv) 34,50 30.05 READING 30,8 1 Mary Mary 39.6 E M 00 WELL DEPTH: WELL DIAMETER: SPECIFIC
CONDUCTIVITY
(mS/cn) CHANGE 800.T 3,9.58 3,872 78 3,690 3.697 4.165 BENEATH OUTER CAP: TO T 1,98 BENEATH INNER CAP: READING 60 160 BACKGROUND Chart H. COMMENTS: Samples collected at CHANGE P-3K pH (pH units) 290 5,9 5.87 50 100 M 5.34 5.99 5,43 5.9 READING PID/FID READINGS (npm): 0.0 5:0 MONITOR WELL SAMPLING WEATHER: **Р**ИКСІМС WELL#: BULL 500 2/ 1 SE DATE 4 TIME 2 135 F 250

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ADVANCED ENVIRONMENTAL REDEVELOFMENT LOW Flow Purging and Sampling Guidance

## LOW FLOW SAMPLING DATA SHEET

WELL DEPTH WELL DEPTH WALL DEPTH WALL DEPTH WALL DEPTH WELL DEPTH OWNTER DEPTH WELL DEPTH OWNTER DEPTH OWNTE	WELL DRAMETER: A Had BACKGROUND.  BENEATH OUTER CAP: BENEATH OUTER CAP: BENEATH OUTER CAP: BENEATH INVER CAP: BENEATH OUTER CAP	FTENDA	
BENEATH OUTER CAP:  BENEATH  CASTON CAPANGE BEFORE PURP INSTALLATION: Rholow TOC'  BENEATH  CASTON CAPANGE READING  CHANGE READING  CH	BACKGROUND; BENEATH OUTER CAP; BENEATH NINER CAP; BENEATH OUTER CAP; B	SCREENED/OPEN INTERVAL;	
SPECING (PH mile) CONDUCTORY POTENTIAL OXYGEN TURBIDITY THAMPRATURE (CHANGE) RANDRY CHANGES READING CHANGES RE	SPECIFIC REDOX DISSOLVED OXYGEN (mg/l) (mg/l	w TOC gold TALLATION: gold fibelow TOC	
Fig. 3 Transmit General Reading Cenanger	F. S. READING CHANGE CHANGE READING	TBAPBRATURE	
6,43 1,693 17,3 6,14 164 14,29 165 6,43 1,693 17,3 6,14 164 14,78	6.43 1.695 173 6.14 6.15 6.14	(NALU) (degrees C) PUMFING CHANGE* READING CHANGES (milner)	DEPTH TO WATER (ft below TOC
5 6.45 1.695 173 6.14 164 14.78	6.43 6.43 6.43 6.43 6.44 6.35	14.23	
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80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cet1@cetlabs.com

Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213

Bridgeport, CT 06606

## Analytical Report CET# 2100859A

Report Date:November 07, 2022

Project: ECS

25 OLD DAK ROM

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927

#### **SAMPLE SUMMARY**

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
25	2100859-01	Drinking Water	10/28/2022 11:00	10/28/2022

#### Analyte: No Tentatively Identified Compounds [EPA 524.2 TICs]

**Analyst: PMD** 

**Matrix: Drinking Water** 

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100859-01	25	ND	4.0	ug/L	1	B2J3140	10/31/2022	10/31/2022 15:45	

> Client Sample ID 25 Lab ID: 2100859-01

Conn. Extractable TPH

**Analyst: JTS** 

Method: CT-ETPH

Matrix: Drinking Water

								ung water
Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	0.10	1	EPA 3510C	B2K0101	11/01/2022	11/01/2022 23:01	
Surrogate: Octacosane	124 %	5	0 - 150		B2K0101	11/01/2022	11/01/2022 23:01	

Semivolatile Organics by 525.3

Method: EPA 525.3

Analyst: TWF

Matrix: Drinking Water

								8
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Acenaphthylene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Acenaphthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Fluorene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Phenanthrene	0.10	0.077	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Anthracene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Fluoranthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Pyrene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Benzo[a]anthracene	ND	0.060	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Chrysene	ND	0.50	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Benzo[b]fluoranthene	ND	0.080	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Benzo[k]fluoranthene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Benzo[a]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Dibenz[a,h]anthracene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Benzo[g,h,i]perylene	ND	0.40	1	SPE	B2K0133	11/01/2022	11/06/2022 16:47	
Surrogate: 2-Fluorobiphenyl	115 %	7(	0 - 130		B2K0133	11/01/2022	11/06/2022 16:47	
Surrogate: Terphenyl-d14	127 %		0 - 130		B2K0133	11/01/2022	11/06/2022 16:47	

Volatile Organics by 524.2

Analyst: PMD

Method: EPA 524.2

Matrix: Drinking Water

	Annibus	Result	RL					Date/Time	
I	Analyte	(ug/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes
ŀ									

> Client Sample ID 25 Lab ID: 2100859-01

**Volatile Organics by 524.2** 

Method: EPA 524.2

Analyst: PMD

Matrix: Drinking Water

							Tractia. Dilli	MIIIS WA
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
Benzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
Toluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
Chlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
Ethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
m+p Xylenes	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
o-Xylene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
Styrene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
lsopropylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
Bromobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
n-Propylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
2-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
I-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
1,3,5-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
ert-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
,2,4-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
ec-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
,3-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
-lsopropyltoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
,4-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
,2-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
,2,4-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
lexachlorobutadiene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	*C1
laphthalene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
2,3-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 15:45	
urrogate: 1,2-Dichloroethane-d4	113 %	70	- 130		B2J3140	10/31/2022	10/31/2022 15:45	
urrogate: Toluene-d8	96.7 %	70	- 130		B2J3140	10/31/2022	10/31/2022 15:45	
urrogate: 4-Bromofluorobenzene	103 %	70	- 130		B2J3140	10/31/2022	10/31/2022 15:45	
							· VI J 1/4 (/44 1 J . T J	

#### **QUALITY CONTROL SECTION**

#### Batch B2J3140 - EPA 524.2 TICs

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J3140-BLK1)					Prepared:	0/31/2022 Anal	vzed: 10/31/2	2022	
No Tentatively Identified Compounds	ND	4.0			1		,		
Methyl-t-Butyl Ether (MTBE)	ND	1.0							
Benzene	ND	0.50							
Foluene	ND	0.50							
Chlorobenzene	ND	0.50							
Ethylbenzene	ND	0.50							
m+p Xylenes	ND	0.50							
o-Xylene	ND	0.50							
Styrene	ND	0.50							
sopropylbenzene	ND	0.50							
Bromobenzene	ND	0.50							
-Propylbenzene	ND	0.50							
-Chlorotoluene	ND	0.50							
-Chlorotoluene	ND	0.50							
.3,5-Trimethylbenzene	ND	0.50							
ert-Butylbenzene	ND	0.50							
.2,4-Trimethylbenzene	ND	0.50							
ec-Butylbenzene	ND	0.50							
,3-Dichlorobenzene	ND	0.50							
-Isopropyltoluene	ND	0.50							
,4-Dichlorobenzene	ND	0.50							
,2-Dichlorobenzene	ND	0.50							
-Butylbenzene	ND	0.50							
,2,4-Trichlorobenzene	ND	0.50							
Iexachlorobutadiene	ND	0.50							
laphthalene	ND	0.50							
,2,3-Trichlorobenzene	ND	0.50							
urrogate: 1,2-Dichloroethane-d4					114	70 - 130			
urrogate: Toluene-d8					105	70 - 130			
urrogate: 4-Bromofluorobenzene					102	70 - 130			
.CS (B2J3140-BS1)					Drangrad: 11		1- 10/21/20	22	
Icthyl-t-Butyl Ether (MTBE)	35.9	1.0	20.000			0/31/2022 Analy	zea: 10/31/20	122	
enzene	28.5	1.0	30.000		120	70 - 130			
oluene	28.5	0.50 0.50	30.000		94.9	70 - 130			
hlorobenzene	26.8	0.50	30.000		95.0	70 - 130			
thylbenzene	27.0		30.000		89.3	70 - 130			
+p Xylenes	53.5	0.50	30.000		89.9	70 - 130			
Xylene	27.7	0.50	60.000		89.2	70 - 130			
yrene	28.6	0.50	30.000		92.4	70 - 130			
opropylbenzene	27.5	0.50	30.000		95.2	70 - 130			
romobenzene	26.3	0.50	30.000		91.7	70 - 130			
Propylbenzene	26.1	0.50	30.000		87.8	70 - 130			
Chlorotolucne	25.7	0.50	30.000		87.0	70 - 130			
Chlorotoluene	26.4	0.50	30.000		85.7	70 - 130			
3,5-Trimethylbenzene	26.4 26.4	0.50	30.000		87.8	70 - 130			
t-Butylbenzene		0.50	30.000		88.1	70 - 130			
•	26.1	0.50	30.000		87.1	70 - 130			
2,4-Trimethylbenzene	26.5	0.50	30.000		88.3	70 - 130			

Complete Environmental Testing, Inc.

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J3140-BS1) - Continued					Prepared: 10	0/31/2022 Analy	zed: 10/31/2	2022	
1.3-Dichlorobenzene	26.2	0.50	30.000		87.3	70 - 130			
4-Isopropyltoluene	26.8	0.50	30.000		89.3	70 - 130			
1,4-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
1,2-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
n-Butylbenzene	27.1	0.50	30.000		90.2	70 - 130			
1,2,4-Trichlorobenzene	27.2	0.50	30.000		90.7	70 - 130			
Hexachlorobutadiene	25.8	0.50	30.000		86.0	70 - 130			
Naphthalene	28.9	0.50	30.000		96.3	70 - 130			
1,2,3-Trichlorobenzene	27.5	0.50	30.000		91.8	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					110	70 - 130			
Surrogate: Toluene-d8					102	70 - 130			
Surrogate: 4-Bromofluorohenzene					104	70 - 130			

CET #: 2100859

Project: ECS

# Batch B2K0101 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0101-BLK1)					Prepared: 1	1/1/2022 Analy:	zed: 11/1/202	22	
ЕТРН	ND	0.10							
Surrogate: Octacosane					105	50 - 150			
LCS (B2K0101-BS1)					Prepared: 1	1/1/2022 Analy:	zed: 11/1/202	22	
ЕТРН	0.429	0.10	0.500		85.7	60 - 120			
Surrogate: Octacosane					109	50 - 150			
LCS Dup (B2K0101-BSD1)					Prepared: 11	1/1/2022 Analyz	zed: 11/1/202	22	
ЕТРН	0.414	0.10	0.500		82.8	60 - 120	3.44	30	
Surrogate: Octacosane					104	50 - 150			

# Batch B2K0133 - EPA 525.3

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0133-BLK1)					Prepared: 1	1/1/2022 Analyz	zed: 11/6/2022	2	
Naphthalene	ND	1.0			•	-			
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
Fluorene	ND	1.0							
Phenanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
Pyrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.10							
ndeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: 2-Fluorobiphenyl					60.8	70 - 130			1
Surrogate: Terphenyl-d14					71.0	70 - 130			L
LCS (B2K0133-BS1)					Prepared: 1	1/1/2022 Analyz	ed: 11/6/2022		
Naphthalene	1.44	1.0	2.000		72.0	70 - 130			
cenaphthylene	1.40	0.30	2.000		70.0	70 - 130			
cenaphthene	1.45	1.0	2.000		72.5	70 - 130			
luorene	1.48	1.0	2.000		74.0	70 - 130			
thenanthrene	1.50	0.077	2.000		75.0	70 - 130			
inthracene	1.58	1.0	2.000		79.0	70 - 130			
luoranthene	1.45	1.0	2.000		72.5	70 - 130			
yrene	1.43	1.0	2.000		71.5	70 - 130			
enzo[a]anthracene	1.45	0.060	2.000		72.5	70 - 130			
Chrysene	1.43	0.50	2.000		71.5	70 - 130			
enzo[b]fluoranthene	1.43	0.080	2.000		71.5	70 - 130			
senzo[k]fluoranthene	1.51	0.30	2.000		75.5	70 - 130			
enzo[a]pyrene	1.55	0.10	2.000		77.5	70 - 130			
ndeno[1,2,3-cd]pyrene	1.40	0.10	2.000		70.0	70 - 130			
ibenz[a,h]anthracene	1.41	0.10	2.000		70.5	70 - 130			
enzo[g,h,i]perylene	1.41	0.40	2.000		70.5	70 - 130			
wrogate: 2-Fluorobiphenyl					102	70 - 130			
wrogate: Terphenyl-d14					120	70 - 130			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Statta

R Blah J

David Ditta

Laboratory Director

Project Manager

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Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS)

An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

Surrogate Recovery The % recovery for non-target organic compounds that are spiked into all samples. Used to determine

method performance.

Continuing Calibration An analytical standard analyzed with each set of samples to verify initial calibration of the system.

Batch Samples that are analyzed together with the same method, sequence and lot of reagents within the same

time period.

ND Not detected at or above the specified reporting limit.

RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

Dilution Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample.

Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample.

RPD Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

CC Calibration Verification

Flags:

H- Recovery is above the control limits

L- Recovery is below the control limits

B- Compound detected in the Blank

P- RPD of dual column results exceeds 40%

#- Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927 New York NELAP Accreditation 11982 Rhode Island Certification 199



Laboratory Name:

Project Location:

ECS

# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Client: Advanced Envir. Redevelopment

Project Number:

Complete Environmental Testing, Inc.

Labor	catory Sample ID(s):	Sample 1	Date(s):		
21008	59-01 thru 2100859-05	10/28/202	22		
List R	CP Methods Used:	CET #:	2100859		
1	For each analytical method referenced in this laboratory report package, w performance criteria followed, including the requirement to explain any er acceptable guidelines, as specified in the CTDEP method-specific Reason Protocol documents?	iteria falling outside o	•	Yes	☐ No
1A	Were the method specified preservation and holding time requirements me	et?		✓ Yes	□ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted modifications (see Section 11.3 of respective RCP methods)?	without significant		Yes	□ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with associated chain-of-custody document(s)?	that described on the		Yes	☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?			Yes	□ No □ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable documents achieved?	e Confidence Protocol		Yes	✓ No
5a	a) Were reporting limits specified or referenced on the chain-of-custody?			Yes	✓ No
5b	b) Were these reporting limits met?			Yes	☐ No
6	For each analytical method referenced in this laboratory report package, wall consituents identified in the method-specific analyte lists presented in the Confidence Protocol documents?			Yes	✓ No
7	Are project specific matrix spikes and laboratory duplicates included with	this data set?		Yes	✓ No
must l	For all questions to which the response was "No" (with the exception of que be provided in an attached narrative. If the answer to question #1, #1A, or #11 cet the requirements for "Reasonable Confidence."  Torm may not be altered and all questions must be answered.	estion #7), additional in B is "No", the data pac	nformation kage does		
and con	ne undersigned, attest under the pains and penalties of perjoin belief and based upon my personal inquiry of those responsioned in this analytical report, such information is accurate horized Signature:	nsible for providi	ng the informatio	dge on	
Prin	nted Name: <u>David Ditta</u>	Date: 11/07	7/2022		
Nan	ne of Laboratory: Complete Environmental Testing, Inc.				

This certification form is to be used for RCP methods only.

# **RCP Case Narrative**

- 4- See Exceptions Report Below
- 6- Client requested a subset of the RCP 8260 and 8270 lists.
- 7- Project specific QC was not requested by the client.

		4- Ex	ceptions Repor	t		
Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
2-Fluorobiphenyl	SURR	Low			62.2	2100859-02
2-Fluorobiphenyl	SURR	Low			67.8	2100859-03
2-Fluorobiphenyl	SURR	Low			60.8	B2K0133-BLK1
Hexachlorobutadiene	CC	Low	24.0		79.9	S2K0107

# QC Batch/Sequence Report

Batch	Sequence	CET ID	Cample ID	Specific Method	Matrix	Callantian Date
	•		Sample ID	Specific Method	Matrix	Collection Date
B2K0101	S2K0207	2100859-01	25	CT-ETPH	Drinking Water	10/28/2022
B2K0101	S2K0207	2100859-02	27	CT-ETPH	Drinking Water	10/28/2022
B2K0302		2100859-03	422	CT-ETPH	Drinking Water	10/28/2022
B2K0302		2100859-04	452	CT-ETPH	Drinking Water	10/28/2022
B2K0302		2100859-05	438/444	CT-ETPH	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2 TICs	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-01	25	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-02	27	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-03	422	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-04	452	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-05	438/444	EPA 525.3	Drinking Water	10/28/2022

### Certified Analyses included in this Report

Analyte	Certifications	
CT-ETPH in Water		
ЕТРН	CT,R1	
EPA 524.2 in Water	Cipit	
Methyl-t-Butyl Ether (MTBE)	CT,MA,RI	
Benzene	CT,MA,RI	
Toluene Chlorobenzene	CT,MA,RI	
Ethylbenzene	CT,MA,RI	
·	CT,MA,RI	
m+p Xylenes	CT,MA,RI	
o-Xylene	CT,MA,RI	
Styrene	CT,MA,RI	
Isopropylbenzene	CT,MA,RI	
Bromobenzene n-Propylbenzene	CT,MA,RI	
2-Chlorotoluene	CT,MA,RI	
4-Chlorotoluene	CT,MA,RI	
1,3,5-Trimethylbenzene	CT,MA,RI	
tert-Butylbenzene	CT,MA,RI	
1,2,4-Trimethylbenzene	CT,MA,RI	
sec-Butylbenzene	CT,MA,RI	
1,3-Dichlorobenzene	CT,MA,RI	
4-Isopropyltoluene	CT,MA,RI	
1,4-Dichlorobenzene	CT,MA,RI	
1,2-Dichlorobenzene	CT,MA,RI	
n-Butylbenzene	CT,MA,RI	
1,2,4-Trichlorobenzene	CT,MA,RI CT,MA,RI	
Hexachlorobutadiene	CT,MA,RI	
Naphthalene	CT,MA,RI	
1,2,3-Trichlorobenzene	CT,MA,RI	
EPA 525.3 in Water	C 1,101A,1CI	
Naphthalene	CT,RI	
Acenaphthylene	CT,RI	
Acenaphthene	CT.RI	
Fluorene	CT,RI	
Phenanthrene	CT,Rí	
Anthracene	CT,RI	
Fluoranthene	CT.RI	
Pyrene	CT.RI	
Benzo[a]anthracene	CT,RI	
Chrysene	CT,RI	
Benzo[b]fluoranthene	CT,RI	
Benzo[k]fluoranthene	CT,RI	
Benzo[a]pyrene	CT,RI	
Indeno[1,2,3-cd]pyrene	CT,RI	
Dibenz[a,h]anthracene	CT,RI	
Benzo[g,h,i]perylene	CT,R1	

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
СТ	Connecticut Public Health	PH0116	09/30/2024
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2023
RI	Rhode Island Certification	LAO 00227	12/30/2022

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Stratford, CT 06615 Fax e-mail: cetservice	l: (203) 377-9984 k: (203) 377-9952 ces@cetlabs.com ers@cetlabs.com	A=Air S=Soll W=Water DW=Drinlding Water C=Cessette		(ched	k one	9)	1	matics	gena		List	S .	SOX   ASE	_	Poil	۵.					per	Je.	,	7	Monthres	A Part	INT	3	-		TOTAL # OF CONT.	
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Phone #

Fax#

Laboratory Certification Needed (check one)

Temp Upon Receipt

\* Additional charge may apply. \*\* TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes.

Evidence of Cooling:

Y) N

□ PA

REV. 12/18 Page 15 of 15

□ MA

□ NY

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80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cet1@cetlabs.com

Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213

Bridgeport, CT 06606

# Analytical Report CET# 2100859B

Report Date: November 07, 2022

Project: ECS

27960 OHK 60AD

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927

# **SAMPLE SUMMARY**

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
27	2100859-02	Drinking Water	10/28/2022 11:00	10/28/2022

# Analyte: No Tentatively Identified Compounds [EPA 524.2 TICs]

**Analyst: PMD** 

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100859-02	27	ND	4.0	ug/L	1	B2J3140	10/31/2022	10/31/2022 16:12	

> Client Sample ID 27 Lab ID: 2100859-02

Conn. Extractable TPH Method: CT-ETPH

Analyst: JTS

Matrix: Drinking Water

								8
Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	0.10	1	EPA 3510C	B2K0101	11/01/2022	11/01/2022 23:23	
Surrogate: Octacosane	97.7 %	5	0 - 150		B2K0101	11/01/2022	11/01/2022 23:23	

Semivolatile Organics by 525.3

Method: EPA 525.3

Analyst: TWF

Matrix: Drinking Water

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
aphthalene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
cenaphthylene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
cenaphthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
luorene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
henanthrene	ND	0.077	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
nthracene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
uoranthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
yrene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
enzo[a]anthracene	ND	0.060	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
hrysene	ND	0.50	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
enzo[b]fluoranthene	ND	0.080	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
enzo[k]fluoranthene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
enzo[a]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
deno[1,2,3-cd]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
ibenz[a,h]anthracene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
enzo[g,h,i]perylene	ND	0.40	1	SPE	B2K0133	11/01/2022	11/06/2022 17:11	
urrogate: 2-Fluorobiphenyl	62.2 %	70	0 - 130		B2K0133	11/01/2022	11/06/2022 17:11	L
nrogate: Terphenyl-d14	82.4 %	71	0 - 130		B2K0133	11/01/2022	11/06/2022 17:11	_

**Volatile Organics by 524.2** 

Method: EPA 524.2

**Analyst: PMD** 

	Result	RL					Date/Time	
Analyte	(ug/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes

> Client Sample ID 27 Lab ID: 2100859-02

Volatile Organics by 524.2 Method: EPA 524.2

Analyst: PMD

							Matrix: Driff	ung wate
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Benzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Toluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Chlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Ethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
m+p Xylenes	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
o-Xylene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Styrene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Isopropylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Bromobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
n-Propylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
2-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
4-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
1,3,5-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
tert-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
1,2,4-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
sec-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
1,3-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
4-Isopropyltoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
1,4-Diehlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
1,2-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
n-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
1,2,4-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Hexachlorobutadiene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	*C1
Naphthalene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
1,2,3-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:12	
Surrogate: 1,2-Dichloroethane-d4	113 %	70	) - 130		B2J3140	10/31/2022	10/31/2022 16:12	
Surrogate: Toluene-d8	98.6 %	70	- 130		B2J3140	10/31/2022	10/31/2022 16:12	
Surrogate: 4-Bromofluorohenzene	102 %	70	- 130		B2J3140	10/31/2022	10/31/2022 16:12	

# QUALITY CONTROL SECTION

# Batch B2J3140 - EPA 524.2 TICs

200110 21121105									
Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rcc	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J3140-BLK1)					Prepared;	10/31/2022 Anal	vzed: 10/31/2	022	
No Tentatively Identified Compounds	ND	4.0			1		,	V	
Methyl-t-Butyl Ether (MTBE)	ND	1.0							
Benzene	ND	0.50							
Toluene	ND	0.50							
Chlorobenzene	ND	0.50							
Ethylbenzene	ND	0.50							
m+p Xylenes	ND	0.50							
o-Xylene	ND	0.50							
Styrene	ND	0.50							
Isopropylbenzene	ND	0.50							
Bromobenzene	ND	0.50							
n-Propyibenzene	ND								
2-Chlorotoluene		0.50							
4-Chlorotoluene	ND	0.50							
1,3,5-Trimethylbenzene	ND	0.50							
tert-Butylbenzene	ND	0.50							
	ND	0.50							
1,2,4-Trimethylbenzene	ND	0.50							
sec-Butylbenzene	ND	0.50							
1,3-Dichlorobenzene	ND	0.50							
4-Isopropyltoluene	ND	0.50							
1,4-Dichlorobenzene	ND	0.50							
1,2-Dichlorobenzene	ND	0.50							
n-Butylbenzene	ND	0.50							
1,2,4-Trichlorobenzene	ND	0.50							
Hexachlorobutadiene	ND	0.50							
Naphthalene	ND	0.50							
1,2,3-Trichlorobenzene	ND	0.50							
Surrogate: 1,2-Dichloroethane-d4					114	70 - 130			
Surrogate: Toluene-d8					105	70 - 130			
Surrogate: 4-Bromofluorobenzene					102	70 - 130			
LCS (B2J3140-BS1)					Prepared: 10	0/31/2022 Analya	zed: 10/31/20	22	
Methyl-t-Butyl Ether (MTBE)	35.9	1.0	30.000		120	70 - 130			
Benzene	28.5	0.50	30.000		94.9	70 - 130			
Гоluene	28.5	0.50	30.000		95.0	70 - 130			
Chlorobenzene	26.8	0.50	30.000		89.3	70 - 130			
Ethylbenzene	27.0	0.50	30.000		89.9	70 - 130			
n+p Xylenes	53.5	0.50	60.000		89.2	70 - 130			
>-Xylene	27.7	0.50	30.000		92.4				
Styrene	28.6	0.50	30.000		95.2	70 - 130			
sopropylbenzene	27.5	0.50	30.000		91.7	70 - 130			
Bromobenzene	26.3	0.50				70 - 130			
-Propylbenzene	26.1	0.50	30.000		87.8	70 - 130			
-Chlorotoluene	25.7		30.000		87.0	70 - 130			
-Chlorotoluene	26.4	0.50	30.000		85.7	70 - 130			
,3,5-Trimethylbenzene	26.4	0.50	30.000		87.8	70 - 130			
ert-Butylbenzene		0.50	30.000		88.1	70 - 130			
,2,4-Trimethylbenzene	26.1	0.50	30.000		87.1	70 - 130			
ec-Butylbenzene	26.5	0.50	30.000		88.3	70 - 130			
ee barytoenzone	25.9	0.50	30.000		86.3	70 - 130			

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J3140-BS1) - Continued					Prepared: 10	0/31/2022 Analy	zed: 10/31/2	2022	
1,3-Dichlorobenzene	26.2	0.50	30.000		87.3	70 - 130			
4-Isopropyltoluene	26.8	0.50	30.000		89.3	70 - 130			
1,4-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
1,2-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
n-Butylbenzene	27.1	0.50	30.000		90.2	70 - 130			
1,2,4-Trichlorobenzene	27.2	0.50	30.000		90.7	70 - 130			
Hexachlorobutadiene	25.8	0.50	30.000		86.0	70 - 130			
Naphthalene	28.9	0.50	30.000		96.3	70 - 130			
1,2,3-Trichlorobenzene	27.5	0.50	30.000		91.8	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					110	70 - 130			
Surrogate: Toluene-d8					102	70 - 130			
Surrogate: 4-Bromofluorobenzene					104	70 - 130			

# Batch B2K0101 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0101-BLK1)					Prepared: 1	1/1/2022 Analy2	zed: 11/1/202	22	
ЕТРН	ND	0.10			-	•			
Surrogate: Octacosane					105	50 - 150			
LCS (B2K0101-BS1)					Prepared: 1	I/1/2022 Analyz	ed: 11/1/202	22	
ЕТРН	0.429	0.10	0.500		85.7	60 - 120			
Surrogate: Octacosane					109	50 - 150			
LCS Dup (B2K0101-BSD1)					Prepared: 11	/1/2022 Analyz	ed: 11/1/202	22	
ЕТРН	0.414	0.10	0.500		82.8	60 - 120	3.44	30	
Surrogate: Octacosane					104	50 - 150			

Project: ECS

# Batch B2K0133 - EPA 525.3

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0133-BLK1)					Prepared: 1	1/1/2022 Analy	zed: 11/6/2022	2	
Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
Fluorene	ND	1.0							
Phenanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
Pyrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.10							
ndeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: 2-Fluorohiphenyl					60.8	70 - 130			L
Surrogate: Terphenyl-d14					71.0	70 - 130			_
LCS (B2K0133-BS1)					Prepared: 11	/1/2022 Analyz	ed: 11/6/2022	2	
Naphthalene	1.44	1.0	2.000		72.0	70 - 130			
Acenaphthylene	1.40	0.30	2.000		70.0	70 - 130			
cenaphthene	1.45	1.0	2.000		72.5	70 - 130			
luorene	1.48	1.0	2.000		74.0	70 - 130			
henanthrene	1.50	0.077	2.000		75.0	70 - 130			
Anthracene	1.58	1.0	2.000		79.0	70 - 130			
luoranthene	1.45	1.0	2.000		72.5	70 - 130			
yrene	1.43	1.0	2.000		71.5	70 - 130			
Benzo[a]anthracene	1.45	0.060	2.000		72.5	70 - 130			
hrysene	1.43	0.50	2.000		71.5	70 - 130			
enzo[b]fluoranthene	1.43	0.080	2.000		71.5	70 - 130			
Benzo[k]fluoranthene	1.51	0.30	2.000		75.5	70 - 130			
enzo[a]pyrene	1.55	0.10	2.000		77.5	70 - 130			
ndeno[1,2,3-cd]pyrene	1.40	0.10	2.000		70.0	70 - 130			
Dibenz[a,h]anthracene	1.41	0.10	2.000		70.5	70 - 130			
tenzo[g,h,i]perylene	1.41	0.40	2.000		70.5	70 - 130			
rrogate: 2-Fluorobiphenyl					102	70 - 130			
urrogate: Terphenyl-d14					120	70 - 130			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Sitta

R Blah J

David Ditta

Project Manager

Laboratory Director

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.



80 Lupes Drive Stratford, CT 06615

Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

Surrogate Recovery The % recovery for non-target organic compounds that are spiked into all samples. Used to determine

method performance.

Continuing Calibration An analytical standard analyzed with each set of samples to verify initial calibration of the system.

Batch Samples that are analyzed together with the same method, sequence and lot of reagents within the same

time period.

ND Not detected at or above the specified reporting limit.

RL RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture. Dilution

Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample. Result

Amount of analyte found in a sample. Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample.

RPD Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

CC Calibration Verification

Flags:

H- Recovery is above the control limits

L- Recovery is below the control limits

B- Compound detected in the Blank

P-RPD of dual column results exceeds 40%

Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982 Rhode Island Certification 199



Laboratory Name:

**Project Location:** 

ECS

# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Client: Advanced Envir. Redevelopment

Project Number:

Complete Environmental Testing, Inc.

Labor	atory Sample ID(s):	Sample Date(s):	Sample Date(s):				
21008	59-01 thru 2100859-05	10/28/2022					
List R	CP Methods Used: 1	<b>CET #:</b> 2100859					
1	For each analytical method referenced in this laboratory report p performance criteria followed, including the requirement to expl acceptable guidelines, as specified in the CTDEP method-specific Protocol documents?	ain any criteria falling outside of	Yes No				
1A	Were the method specified preservation and holding time require	ements met?	✓ Yes No				
1B	VPH and EPH Methods only: Was the VPH and EPH method ec modifications (see Section 11.3 of respective RCP methods)?	onducted without significant	☐ Yes ☐ No				
2	Were all samples received by the laboratory in a condition consist associated chain-of-custody document(s)?	stent with that described on the	Yes No				
3	Were samples received at an appropriate temperature (< 6 degree	s C.)?	✓ Yes No				
4	Were all QA/QC performance criteria specified in the CT DEP Redocuments achieved?	easonable Confidence Protocol	Yes No				
5a	a) Were reporting limits specified or referenced on the chain-of-c	ustody?	Yes No				
5b	b) Were these reporting limits met?		Yes No				
6	For each analytical method referenced in this laboratory report pa all consituents identified in the method-specific analyte lists preso Confidence Protocol documents?	ckage, were results reported for ented in the Reasonable	Yes No				
7	Are project specific matrix spikes and laboratory duplicates include	ded with this data set?	Yes No				
not me	For all questions to which the response was "No" (with the excepti- e provided in an attached narrative. If the answer to question #1, #1 et the requirements for "Reasonable Confidence."  orn may not be altered and all questions must be answered.	on of question #7), additional information A, or #1B is "No", the data package does					
and cont	e undersigned, attest under the pains and penalties belief and based upon my personal inquiry of those ained in this analytical report, such information is norized Signature:	e responsible for providing the informat accurate and complete.	ledge ion				
	ted Name: <u>David Ditta</u>	Position: <u>Laboratory Director</u> Date: <u>11/07/2022</u>					
Nam	e of Laboratory: <u>Complete Environmental Testing</u>						

This certification form is to be used for RCP methods only.

# **RCP Case Narrative**

- 4- See Exceptions Report Below
- 6- Client requested a subset of the RCP 8260 and 8270 lists.
- 7- Project specific QC was not requested by the client.

4-	Exceptions	Report
•	LACOPHOLIS	TCCDOIL

Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
2-Fluorobiphenyl	SURR	Low			62.2	2100859-02
2-Fluorobiphenyl	SURR	Low			67.8	2100859-03
2-Fluorobiphenyl	SURR	Low			60.8	B2K0133-BLK1
Hexachlorobutadiene	CC	Low	24.0		79.9	S2K0107

# QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B2K0101	S2K0207	2100859-01	25	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0101	S2K0207	2100859-02	27	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-03	422	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-04	452	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-05	438/444	СТ-ЕТРН	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2 TICs	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-01	25	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-02	27	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-03	422	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-04	452	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-05	438/444	EPA 525.3	Drinking Water	10/28/2022
					2	

#### CERTIFICATIONS

### Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Water	
ЕТРН	CT,RI
EPA 524.2 in Water	
Methyl-t-Butyl Ether (MTBE)	CT,MA,RI
Benzene	CT,MA,RI
Toluene	CT,MA,RI
Chlorobenzene	CT,MA,RI
Ethylbenzene	CT,MA,RI
m+p Xylenes	CT,MA,RI
o-Xylene	CT,MA,RI
Styrene	CT,MA,RI
Isopropylbenzene	CT,MA,RI
Bromobenzene	CT,MA,RI
n-Propylbenzene	CT,MA,RI
2-Chlorotoluene	CT,MA,RI
4-Chlorotoluene	CT,MA,RI
1,3,5-Trimethylbenzene	CT,MA,RI
tert-Butylbenzene	CT,MA,RI
1,2.4-Trimethylbenzene	CT,MA,RI
sec-Butylbenzene	CT,MA,RI
1,3-Dichlorobenzene	CT,MA,RI
4-Isopropyltoluene	CT,MA,RI
1,4-Dichlorobenzene	CT,MA,RI
1,2-Dichlorobenzene	CT,MA,RI
n-Butylbenzene	CT,MA,RI
1,2,4-Trichlorobenzene	CT,MA,RI
Hexachlorobutadiene	CT,MA,RI
Naphthalene	CT,MA,RI
1,2,3-Trichlorobenzene	CT,MA,RI
EPA 525.3 in Water	
Naphthalene	CT,RI
Acenaphthylene	CT,RI
Acenaphthene	CT,RI
Fluorene	CT,RI
Phenanthrene	CT,RI
Anthracene	CT,RI
Fluoranthene	CT.RI
Pyrene	CT,RI
Benzo[a]anthracene	CT,RI
Chrysene	CT,RI
Benzo[b]fluoranthene	CT,RI
Benzo[k]fluoranthene	CT,RI
Benzo[a]pyrene	CT,RI
Indeno[1,2,3-cd]pyrene	CT,RI
Dibenz[a,h]anthracene	CT,RI
Benzo[g,h,i]perylene	CT,RI

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2023
RI	Rhode Island Certification	LAO 00227	12/30/2022

CHAIN OF CUSTODY  Chair ENVIRONMENTA INSTITUC, IRC.  CHAIN OF CUSTODY  Chair ENVIRONMENTA INSTITUC, IRC.  CHAIN OF CUSTODY  Chair Environmental Process  Clear Control Fac: (203) 977-9984	<b>是上海市都但其特別</b>																									
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80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cet1@cetlabs.com

Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213

Bridgeport, CT 06606

# **Analytical Report CET# 2100859C**

Report Date:November 07, 2022

Project: ECS

422 SPORT HILL WAD

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927

### **SAMPLE SUMMARY**

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
422	2100859-03	Drinking Water	10/28/2022 11:00	10/28/2022

Analyte: No Tentatively Identified Compounds [EPA 524.2 TICs]

**Analyst: PMD** 

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100859-03	422	ND	4.0	ug/L	1	B2J3140	10/31/2022	10/31/2022 16:38	

> Client Sample ID 422 Lab ID: 2100859-03

Conn. Extractable TPH Method: CT-ETPH

**Analyst: PDS** 

Matrix: Drinking Water

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	0.12	1	EPA 3510C	B2K0302	11/03/2022	11/03/2022 22:46	
Surrogate: Octacosane	95.4 %	5	0 - 150		B2K0302	11/03/2022	11/03/2022 22:46	

Semivolatile Organics by 525.3

Method: EPA 525.3

**Analyst: TWF** 

**Matrix: Drinking Water** 

								-
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Acenaphthylene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Acenaphthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Fluorene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Phenanthrene	ND	0.077	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Anthracene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Fluoranthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Pyrene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Benzo[a]anthracene	ND	0.060	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Chrysene	ND	0.50	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Benzo[b]fluoranthene	ND	0.080	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Benzo[k]fluoranthene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Benzo[a]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Dibenz[a,h]anthracene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Benzo[g,h,i]perylene	ND	0.40	1	SPE	B2K0133	11/01/2022	11/06/2022 17:35	
Surrogate: 2-Fluorobiphenyl	67.8 %	70	0 - 130		B2K0133	11/01/2022	11/06/2022 17:35	L
Surrogate: Terphenyl-d14	93.4 %	70	0 - 130		B2K0133	11/01/2022	11/06/2022 17:35	

Volatile Organics by 524.2

Method: EPA 524.2

Analyst: PMD

	Result	RL					Date/Time	
Analyte	(ug/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes

> Client Sample ID 422 Lab ID: 2100859-03

Volatile Organics by 524.2 Method: EPA 524.2

Analyst: PMD

							Matrix: Drink	ung Wat
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Benzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Toluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Chlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Ethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
m+p Xylenes	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
o-Xylene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Styrene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Isopropylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Bromobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
n-Propylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
2-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
4-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16;38	
1,3,5-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
tert-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
1,2,4-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
sec-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
1,3-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
1-Isopropyltoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
1,4-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
,2-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
n-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
,2,4-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Hexachlorobutadiene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	*C1
Naphthalene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
,2,3-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 16:38	
Surrogate: 1,2-Dichloroethane-d4	111 %	70	) - 130		B2J3140	10/31/2022	10/31/2022 16:38	
Surrogate: Toluene-d8	92.4 %	70	0 - 130		B2J3140	10/31/2022	10/31/2022 16:38	
urrogate: 4-Bromofluorobenzene	99.4 %	70	) - 130		B2J3140	10/31/2022	10/31/2022 16:38	

# QUALITY CONTROL SECTION

### Batch B2J3140 - EPA 524.2 TICs

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J3140-BLK1)					Prepared: 1	0/31/2022 Analy	zed: 10/31/2	022	
No Tentatively Identified Compounds	ND	4.0							
Methyl-t-Butyl Ether (MTBE)	ND	1.0							
Benzene	ND	0.50							
Toluene	ND	0.50							
Chlorobenzene	ND	0.50							
Ethylbenzene	ND	0.50							
m+p Xylenes	ND	0.50							
o-Xylene	ND	0.50							
Styrene	ND	0.50							
Isopropylbenzene	ND	0.50							
Bromobenzene	ND	0.50							
n-Propylbenzene	ND	0.50							
2-Chlorotoluene	ND	0.50							
4-Chlorotoluene	ND	0.50							
1,3,5-Trimethylbenzene	ND	0.50							
tert-Butylbenzene	ND	0.50							
1,2,4-Trimethylbenzene	ND	0.50							
sec-Butylbenzene	ND	0.50							
1,3-Dichlorobenzene	ND	0.50							
4-lsopropyltoluene	ND	0.50							
1,4-Dichlorobenzene	ND	0.50							
1,2-Dichlorobenzene	ND	0.50							
n-Butylbenzene	ND	0.50							
1,2,4-Trichlorobenzene	ND	0.50							
Hexachlorobutadiene	ND	0.50							
Naphthalene	ND	0.50							
1,2,3-Trichlorobenzene	ND	0.50							
Surrogate: 1,2-Dichloroethane-d4					114	70 - 130			
Surrogate: Toluene-d8					105	70 - 130			
Surrogate: 4-Bromofluorobenzene					102	70 - 130			
LCS (B2J3140-BS1)					Prepared: 16	0/31/2022 Analy	zed: 10/31/20	022	
Methyl-t-Butyl Ether (MTBE)	35.9	1.0	30.000		120	70 - 130			
Benzene	28.5	0.50	30.000		94.9	70 - 130			
Toluene	28.5	0.50	30.000		95.0	70 - 130			
Chlorobenzene	26.8	0.50	30.000		89.3	70 - 130			
Ethylbenzene	27.0	0.50	30.000		89.9	70 - 130			
m+p Xylenes	53.5	0.50	60.000		89.2	70 - 130			
o-Xylene	27.7	0.50	30.000		92.4	70 - 130			
Styrene	28.6	0.50	30.000		95.2	70 - 130			
sopropylbenzene	27.5	0.50	30.000		91.7	70 - 130			
Bromobenzene	26.3	0.50	30.000		87.8	70 - 130			
n-Propylbenzene	26.1	0.50	30.000		87.0	70 - 130			
2-Chlorotoluene	25.7	0.50	30.000		85.7	70 - 130			
1-Chlorotoluene	26.4	0.50	30.000		87.8	70 - 130			
,3,5-Trimethylbenzene	26.4	0.50	30.000		88.1	70 - 130			
ert-Butylbenzene	26.1	0.50	30.000		87.1	70 - 130			
,2,4-Trimethylbenzene	26.5	0.50	30.000		88.3	70 - 130			
ec-Butylbenzene	25.9	0.50	30.000		86.3	70 - 130			

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J3140-BS1) - Continued					Prepared: 10	0/31/2022 Analy	zed: 10/31/2	2022	
1,3-Dichlorobenzene	26.2	0.50	30.000		87.3	70 - 130			
4-lsopropyltoluene	26.8	0.50	30.000		89.3	70 - 130			
1,4-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
1,2-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
n-Butylbenzene	27.1	0.50	30.000		90.2	70 - 130			
1,2,4-Trichlorobenzene	27.2	0.50	30.000		90.7	70 - 130			
Hexachlorobutadiene	25.8	0.50	30.000		86.0	70 - 130			
Naphthalene	28.9	0.50	30.000		96.3	70 - 130			
1,2,3-Trichlorobenzene	27.5	0.50	30.000		91.8	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					110	70 - 130			
Surrogate: Toluene-d8					102	70 - 130			
Surrogate: 4-Bromofluorobenzene					104	70 - 130			

### Batch B2K0133 - EPA 525.3

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0133-BLK1)					Prepared: 1	1/1/2022 Analy:	zed: 11/6/2022	2	
Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
luorene	ND	1.0							
henanthrene	ND	0.077							
inthracene	ND	1.0							
luoranthene	ND	1.0							
yrene	ND	1.0							
enzo[a]anthracene	ND	0.060							
'hrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
enzo[k]fluoranthene	ND	0.30							
Senzo[a]pyrene	ND	0.10							
ndeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
enzo[g,h,i]pcrylene	ND	0.40							
urrogate: 2-Fluorobiphenyl					60.8	70 - 130			L
urrogate: Terphenyl-d14					71.0	70 - 130			
CS (B2K0133-BS1)					Prepared: 1	1/1/2022 Analy2	zed: 11/6/2022	!	
laphthalene	1.44	1.0	2.000		72.0	70 - 130			
cenaphthylene	1.40	0.30	2.000		70.0	70 - 130			
eenaphthene	1.45	1.0	2.000		72.5	70 - 130			
luorene	1.48	1.0	2.000		74.0	70 - 130			
henanthrene	1.50	0.077	2.000		75.0	70 - 130			
nthracene	1.58	1.0	2.000		79.0	70 - 130			
luoranthene	1.45	1.0	2.000		72.5	70 - 130			
yrene	1.43	1.0	2.000		71.5	70 - 130			
enzo[a]anthracene	1.45	0.060	2.000		72.5	70 - 130			
hrysene	1.43	0.50	2.000		71.5	70 - 130			
enzo[b]fluoranthene	1.43	0.080	2.000		71.5	70 - 130			
enzo[k]fluoranthene	1.51	0.30	2.000		75.5	70 - 130			
enzo[a]pyrene	1.55	0.10	2.000		77.5	70 - 130			
ndeno[1,2,3-ed]pyrene	1.40	0.10	2.000		70.0	70 - 130			
ibenz[a,h]anthracene	1.41	0.10	2.000		70.5	70 - 130			
enzo[g,h,i]perylene	1.41	0.40	2.000		70.5	70 - 130			
rrogate: 2-Fluorobiphenyl					102	70 - 130			
rrogate: Terphenyl-d14					120	70 - 130			

# Batch B2K0302 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0302-BLK1)					Prepared: 11	/3/2022 Analy:	zed: 11/3/202	22	
ETPH	ND	0.10							
Surrogate: Octacosane					50.9	50 - 150			
LCS (B2K0302-BS1)					Prepared: 11	/3/2022 Analy:	zed: 11/4/202	22	
ЕТРН	0.587	0.10	0.500		117	60 - 120			
Surrogate: Octacosane					110	50 - 150			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Sitta

R Blah J

David Ditta

Laboratory Director

Project Manager

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Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

80 Lupes Drive

Stratford, CT 06615





Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

The % recovery for non-target organic compounds that are spiked into all samples. Used to determine Surrogate Recovery

method performance.

Continuing Calibration An analytical standard analyzed with each set of samples to verify initial calibration of the system.

Batch Samples that are analyzed together with the same method, sequence and lot of reagents within the same

time period.

ND Not detected at or above the specified reporting limit.

RL. RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture. Dilution

Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample. Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample. RPD

Relative percent difference between Matrix Spike and Matrix Spike Duplicate. Method Blank that has been taken through all steps of the analysis. Blank

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

CC Calibration Verification

Flags:

H- Recovery is above the control limits

L- Recovery is below the control limits

Compound detected in the Blank

P-RPD of dual column results exceeds 40%

Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982 Rhode Island Certification 199



Laboratory Name:

Project Location:

Laboratory Sample ID(s):

# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Client: Advanced Envir. Redevelopment

Project Number:

Sample Date(s):

Complete Environmental Testing, Inc.

210085	9-01 thru 2100859-05	10/28/202	2		
List RO	CP Methods Used:	<i>CET #:</i>	2100859		
1	For each analytical method referenced in this laboratory report package, w performance criteria followed, including the requirement to explain any or acceptable guidelines, as specified in the CTDEP method-specific Reason Protocol documents?	iteria falling outside of	3	Yes	□ No
1A	Were the method specified preservation and holding time requirements me	xt?		✓ Yes	☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted modifications (see Section 11.3 of respective RCP methods)?	without significant		Yes .	□ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with associated chain-of-custody document(s)?	that described on the		✓Yes	☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?			☑ Yes	□ No □ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable documents achieved?	Confidence Protocol		Yes	☑ No
5a	a) Were reporting limits specified or referenced on the chain-of-custody?			Yes	✓ No
5b	b) Were these reporting limits met?			Yes	☐ No
6	For each analytical method referenced in this laboratory report package, we all consituents identified in the method-specific analyte lists presented in the Confidence Protocol documents?	ere results reported for ne Reasonable		Yes	☑ No
7	Are project specific matrix spikes and laboratory duplicates included with	this data set?		Yes	✓ No
must b not me	For all questions to which the response was "No" (with the exception of que provided in an attached narrative. If the answer to question #1, #1A, or #1B et the requirements for "Reasonable Confidence." rm may not be altered and all questions must be answered.	stion #7), additional info	ormation age does		
and cont	e undersigned, attest under the pains and penalties of perjocilief and based upon my personal inquiry of those responsined in this analytical report, such information is accuratorized Signature:	nsible for providin	g the information	ge	
Prin	ed Name: <u>David Ditta</u>	Date: 11/07/	2022		
Nam	e of Laboratory: <u>Complete Environmental Testing, Inc.</u>				

This certification form is to be used for RCP methods only.

# **RCP Case Narrative**

4- See Exceptions Report Below

6- Client requested a subset of the RCP 8260 and 8270 lists.

7- Project specific QC was not requested by the client.

4-	Exceptions	Report
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Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
2-Fluorobiphenyl	SURR	Low			62.2	2100859-02
2-Fluorobiphenyl	SURR	Low			67.8	2100859-03
2-Fluorobiphenyl	SURR	Low			60.8	B2K0133-BLK1
Hexachlorobutadiene	CC	Low	24.0		79.9	S2K0107

# QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B2K0101	S2K0207	2100859-01	25	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0101	S2K0207	2100859-02	27	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-03	422	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-04	452	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-05	438/444	СТ-ЕТРН	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524,2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2 TICs	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-01	25	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-02	27	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-03	422	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-04	452	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-05	438/444	EPA 525.3	Drinking Water	10/28/2022

Benzo[g,h,i]perylene

Analyte	Certifications	
CT-ETPH in Water		
ЕТРН	CT,RI	
EPA 524.2 in Water		
Methyl-t-Butyl Ether (MTBE)	CT,MA,RI	
Benzene	CT,MA,RI	
Toluene	CT,MA,R1	
Chlorobenzene	CT,MA,RI	
Ethylbenzene	CT,MA,RI	
m+p Xylenes	CT,MA,RI	
o-Xylene	CT,MA,RI	
Styrene	CT,MA,RI	
lsopropylbenzene	CT,MA,RI	
Bromobenzene	CT,MA,RI	
n-Propylbenzene	CT,MA,RI	
2-Chlorotoluene	CT,MA,RI	
4-Chlorotoluene	CT,MA,RI	
1,3,5-Trimethylbenzene	CT,MA,RI	
tert-Butylbenzene	CT,MA,RI	
1,2,4-Trimethylbenzene	CT,MA,RI	
sec-Butylbenzene	CT,MA,RI	
1,3-Dichlorobenzene	CT,MA,RI	
4-Isopropyltoluene	CT,MA,RI	
1,4-Dichlorobenzene	CT,MA,RI	
1,2-Dichtorobenzene	CT,MA,RI	
n-Butylbenzene	CT,MA,RI	
1,2,4-Trichlorobenzene	CT,MA,RI	
Hexachlorobutadiene	CT,MA,RI	
Naphthalene	CT,MA,RI	
1,2,3-Trichlorobenzene	CT,MA,RI	
EPA 525.3 in Water		
Naphthalene	C'T,R1	
Acenaphthylene	CT,RI	
Acenaphthene	CT,RI	
Fluorene	CT,RI	
Phenanthrene	CT,RI	
Anthracene	C'T,RI	
Fluoranthene	CT,RI	
Pyrene	CT,RI	
Benzo[a]anthracene	CT,RI	
Chrysene	CT,RI	
Benzo[b]fluoranthene	CT,RI	
Benzo[k]fluoranthene	CT,RI	
Benzo[a]pyrene	CT.R1	
Indeno[1,2,3-ed]pyrene	CT,RI	
Dibenz[a,h]anthracene	CT,RI	

CT,RI

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
СТ	Connecticut Public Health	PH0116	09/30/2024
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2023
RI	Rhode Island Certification	LAO 00227	12/30/2022

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<u></u>	COMPLETE ENVIR	RONMENTAL	TEST	NG,	NC.		_											_			4	CET:		_				
30 Lupes Drive Tel	: (203) 377-9984	Matrix A=Air	Tur	naro	und T	îme	**					ASE			_	_	Met	ais	,		1	_	Ad	ditio	al-A	nalysi	8	-
Stratford, CT 06615 Fax e-mail: cetservic e-mail: bottleorde	l: (203) 377-9984 :: (203) 377-9952 es@cetlabs.com ers@cetlabs.com	N=Ar S=60f W=Water DW=Drinking Water C=Cassette		(che	ock or	ne)		Ulst	logens		<b>E</b>	ă			ily Poll	T I			2	tered	ilter	7	40 MINS	OC ABIT	0.75			TOTAL # OF CONT.
Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Solid Wipe Other (Spacify)	Same Day	Next Day	Two Day *	Three Day	Std (6-7 Days)	8260 CT List	6260 Halogens	CT ETPH	-8270 CT List	PCBs P	Pesticides	8 RCRA	13 Priority Poll	16 CT DEP	d ids	10F	Dissolved	Field Filtered	Lab to Filter	574	ARO	30	200			TOTAL
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RESERVATIVE (CI-HCI, N-HNO3, S-H2SO4	, Na-NaOH, C=Cool, O-	-Other)																										$-b_{a}$
ONTAIN R TYPE (P-Plastic, G-Glass, V-	Vial, O-Other)							-																				a
Soli VOOs Only MEDION B= Sodium B=Bisulfate	A 1674	E=Encore)						Ν	V	1																		
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Client / Reporting Information							1	Proj	ect:	l	1	2		5	>	1	Pro	jeci		orm PO #:		n			12			
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Address	-						1	CET	Quo	ite#		_			-				- n	Collec	ctor(s	i):	1	/	_		_	
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dditional charge may apply. ** TAT burt on the next business day. All samp	egins when the sa	mples ar	e re	celv	ed a	at th	e L	ab a	ınd	all i	ssu	es a	re r	<b>eso</b>	ved	i. TA	T f	or s	am	ples	rec	elve	d aft	er 3 į	p.m.	will		REV. 12

80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cet1@cetlabs.com

Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213 Bridgeport, CT 06606

> Analytical Report CET# 2100859D

Report Date:November 07, 2022

Project: ECS

452 SOM HU ROAD

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927 CET #: 2100859 Project: ECS

### **SAMPLE SUMMARY**

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample 1D	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
452	2100859-04	Drinking Water	10/28/2022 11:00	10/28/2022

Analyte: No Tentatively Identified Compounds [EPA 524.2 TICs]

**Analyst: PMD** 

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100859-04	452	ND	4.0	ug/L	1	B2J3140	10/31/2022	10/31/2022 17:05	

CET # : 2100859 Project: ECS

### Client Sample ID 452 Lab ID: 2100859-04

Conn. Extractable TPH Method: CT-ETPH

**Analyst: PDS** 

Matrix: Drinking Water

								B
Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	0.10	1	EPA 3510C	B2K0302	11/03/2022	11/03/2022 23:07	
Surrogate: Octacosane	97.7 %	5	0 - 150		B2K0302	11/03/2022	11/03/2022 23:07	

Semivolatile Organics by 525.3

Method: EPA 525.3

Analyst: TWF

Matrix: Drinking Water

Acenaphthylene         ND         0.30         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Acenaphthene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Fluorene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Phenanthrene         ND         0.077         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Anthracene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Fluoranthene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Fluoranthene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Pyrene         ND         0.060         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[a]anthracene         ND         0.50         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[b]fluoranthene         ND         0.080								Matrix. Dilli	ung water
Acenaphthylene         ND         0.30         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Acenaphthene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Fluorene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Phenanthrene         ND         0.077         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Anthracene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Fluoranthene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Pyrene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[a]anthracene         ND         0.060         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Chrysene         ND         0.50         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[k]fluoranthene         ND         0.080	Analyte			Dilution	Prep Method	Batch	Prepared		Notes
Accnaphthene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Fluorene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Phenanthrene ND 0.077 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Anthracene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Fluoranthene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Pyrene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]anthracene ND 0.060 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Chrysene ND 0.50 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[b]fluoranthene ND 0.080 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[k]fluoranthene ND 0.30 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Indeno[1,2,3-cd]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]h,lanthracene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h,lanthracene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5	Naphthalene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Fluorene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Phenanthrene ND 0.077 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Anthracene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Fluoranthene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Pyrene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a]anthracene ND 0.060 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Chrysene ND 0.50 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[b]fluoranthene ND 0.080 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[b]fluoranthene ND 0.080 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Indeno[1,2,3-ed]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Indeno[1,2,3-ed]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Indeno[1,2,3-ed]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5 Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5	Acenaphthylene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Phenanthrene ND 0.077 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Anthracene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Fluoranthene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Pyrene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]anthracene ND 0.060 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Chrysene ND 0.50 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[b]fluoranthene ND 0.080 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[k]fluoranthene ND 0.30 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Indeno[1,2,3-ed]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Indeno[1,2,3-ed]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5	Accnaphthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
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Fluoranthene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Pyrene ND 1.0 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]anthracene ND 0.060 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Chrysene ND 0.50 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[b]fluoranthene ND 0.080 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[k]fluoranthene ND 0.30 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[k]fluoranthene ND 0.30 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Indeno[1,2,3-cd]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Indeno[1,2,3-cd]pyrene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[a,h]anthracene ND 0.10 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Benzo[g,h,i]perylene ND 0.40 1 SPE B2K0133 11/01/2022 11/06/2022 17:5  Surrogate: 2-Fluorobiphenyl 73.0 % 70 - 130 B2K0133 11/01/2022 11/06/2022 17:5	Phenanthrene	ND	0.077	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Pyrene         ND         1.0         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[a]anthracene         ND         0.060         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Chrysene         ND         0.50         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[b]fluoranthene         ND         0.080         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[k]fluoranthene         ND         0.30         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[a]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Indeno[1,2,3-ed]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Dibenz[a,h]anthracene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[g,h,i]perylene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Surrogate: 2-Fluorobiphenyl<	Anthracene	ND	1.0	I	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Benzo[a]anthracene	Fluoranthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Chrysene         ND         0.50         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[b]fluoranthene         ND         0.080         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[k]fluoranthene         ND         0.30         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[a]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Indeno[1,2,3-cd]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Dibenz[a,h]anthracene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Benzo[g,h,i]perylene         ND         0.40         1         SPE         B2K0133         11/01/2022         11/06/2022 17:5           Surrogate: 2-Fluorobiphenyl         73.0 %         70 - 130         B2K0133         11/01/2022         11/06/2022 17:5	Pyrene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Benzo[b]fluoranthene   ND   0.080   1   SPE   B2K0133   11/01/2022   11/06/2022 17:55     Benzo[k]fluoranthene   ND   0.30   1   SPE   B2K0133   11/01/2022   11/06/2022 17:55     Benzo[a]pyrene   ND   0.10   1   SPE   B2K0133   11/01/2022   11/06/2022 17:55     Indeno[1,2,3-ed]pyrene   ND   0.10   1   SPE   B2K0133   11/01/2022   11/06/2022 17:55     Dibenz[a,h]anthracene   ND   0.10   1   SPE   B2K0133   11/01/2022   11/06/2022 17:55     Benzo[g,h,i]perylene   ND   0.40   1   SPE   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55     Surrogate: 2-Fluorobiphenyl   73.0 %   70-130   B2K0133   11/01/2022   11/06/2022 17:55   11/06/2022 17:55   11/06/2022   11	Benzo[a]anthracene	ND	0.060	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Benzo[k]fluoranthene         ND         0.30         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Benzo[a]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Indeno[1,2,3-cd]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Dibenz[a,h]anthracene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Benzo[g,h,i]perylene         ND         0.40         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Surrogate: 2-Fluorobiphenyl         73.0 %         70 - 130         B2K0133         11/01/2022         11/06/2022 17:50	Chrysene	ND	0.50	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Benzo[a]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Indeno[1,2,3-ed]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Dibenz[a,h]anthracene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Benzo[g,h,i]perylene         ND         0.40         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Surrogate: 2-Fluorobiphenyl         73.0 %         70 - 130         B2K0133         11/01/2022         11/06/2022 17:50	Benzo[b]fluoranthene	ND	0.080	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Indeno[1,2,3-ed]pyrene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Dibenz[a,h]anthracene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Benzo[g,h,i]perylene         ND         0.40         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Surrogate: 2-Fluorobiphenyl         73.0 %         70 - 130         B2K0133         11/01/2022         11/06/2022 17:50	Benzo[k]fluoranthene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Dibenz[a,h]anthracene         ND         0.10         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Benzo[g,h,i]perylene         ND         0.40         1         SPE         B2K0133         11/01/2022         11/06/2022 17:50           Surrogate: 2-Fluorobiphenyl         73.0 %         70 - 130         B2K0133         11/01/2022         11/06/2022 17:50	Benzo[a]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Benzo[g,h,i]perylene         ND         0.40         1         SPE         B2K0133         11/01/2022         11/06/2022 17:56           Surrogate: 2-Fluorobiphenyl         73.0 %         70 - 130         B2K0133         11/01/2022         11/06/2022 17:56	Indeno[1,2,3-ed]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Surrogate: 2-Fluorobiphenyl         73.0 %         70 - 130         B2K0133         11/01/2022         11/06/2022 17:56	Dibenz[a,h]anthracene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Summanda Tamband H4	Benzo[g,h,i]perylene	ND	0.40	1	SPE	B2K0133	11/01/2022	11/06/2022 17:58	
Surrogate: Terphenyl-d14 913% 70-130 PAKA132 WALTSCA	Surrogate: 2-Fluorobiphenyl	73.0 %	70	0 - 130		B2K0133	11/01/2022	11/06/2022 17:58	
70 - 130 B2K0133 11/01/2022 11/06/2022 17:50	Surrogate: Terphenyl-d14	91.3 %	70	0 - 130		B2K0133	11/01/2022	11/06/2022 17:58	

**Volatile Organics by 524.2** 

Method: EPA 524.2

Analyst: PMD

	Result	RL					Date/Time	
Analyte	(ug/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes

CET #: 2100859 Project: ECS

# Client Sample ID 452 Lab ID: 2100859-04

Volatile Organics by 524.2 Method: EPA 524.2

Analyst: PMD

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
Benzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
Toluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
Chlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
Ethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
n+p Xylenes	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
p-Xylene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
Styrene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
sopropylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
Bromobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
-Propylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
,3,5-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
ert-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
,2,4-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
ec-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
,3-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
-Isopropyltoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
,4-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
,2-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
,2,4-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
Iexachlorobutadiene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	*C1
laphthalene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
2,3-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:05	
urrogate: 1,2-Dichloroethane-d4	110 %	70	0 - 130		B2J3140	10/31/2022	10/31/2022 17:05	
urrogate: Toluene-d8	101 %	70	0 - 130		B2J3140	10/31/2022	10/31/2022 17:05	
urrogate: 4-Bromofluorohenzene	103 %	70	0 - 130		B2J3140	10/31/2022	10/31/2022 17:05	

### **QUALITY CONTROL SECTION**

### Batch B2J3140 - EPA 524.2 TICs

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J3140-BLK1)					Prepared: 1	0/31/2022 Anal	yzed: 10/31/2	2022	
No Tentatively Identified Compounds	ND	4.0			•	•	,		
Methyl-t-Butyl Ether (MTBE)	ND	1.0							
Benzene	ND	0.50							
Toluene	ND	0.50							
Chlorobenzene	ND	0.50							-
Ethylbenzene	ND	0.50							
m+p Xylenes	ND	0.50							
o-Xylene	ND	0.50							
Styrene	ND	0.50							
Isopropylbenzene	ND	0.50							
Bromobenzene	ND	0.50							
n-Propylbenzene	ND	0.50							
2-Chlorotoluene	ND	0.50							
4-Chlorotoluene	ND	0.50							
1,3,5-Trimethylbenzene	ND	0.50							
ert-Butylbenzene	ND	0.50							
1,2,4-Trimethylbenzene	ND	0.50							
sec-Butylbenzene	ND	0.50							
1,3-Dichlorobenzene	ND	0.50							
4-Isopropyltoluene	ND	0.50							
1,4-Dichlorobenzene	ND	0.50							
,2-Dichlorobenzene	ND	0.50							
n-Butylbenzene	ND	0.50							
,2,4-Trichlorobenzene	ND	0.50							
-lexachlorobutadiene	ND	0.50							
Naphthalene	ND	0.50							
,2,3-Trichlorobenzene	ND	0.50							
Surrogate: 1,2-Dichloroethane-d4					114	70 - 130			
Surrogate: Toluene-d8					105	70 - 130			
Surrogate: 4-Bromofluorobenzene					102	70 - 130			
LCS (B2J3140-BS1)					Prepared: 10	)/31/2022 Analy	zed: 10/31/20	022	
Methyl-t-Butyl Ether (MTBE)	35.9	1.0	30.000		120	70 - 130			
Benzene	28.5	0.50	30.000		94.9	70 - 130			
oluene	28.5	0.50	30.000		95.0	70 - 130			
Chlorobenzene	26.8	0.50	30.000		89.3	70 - 130			
Ethylbenzene	27.0	0.50	30.000		89.9	70 - 130			
n+p Xylenes	53.5	0.50	60.000		89.2	70 - 130			
-Xylene	27.7	0.50	30.000		92.4	70 - 130			
tyrene	28.6	0.50	30.000		95.2	70 - 130			
sopropylbenzene	27.5	0.50	30.000		91.7	70 - 130			
Bromobenzene	26.3	0.50	30.000		87.8	70 - 130			
-Propylbenzene	26.1	0.50	30.000		87.0	70 - 130			
-Chlorotoluene	25.7	0.50	30.000		85.7	70 - 130 70 - 130			
-Chlorotoluene	26.4	0.50	30.000		87.8	70 - 130			
,3,5-Trimethylbenzene	26.4	0.50	30.000		88.1	70 - 130			
ert-Butylbenzene	26.1	0.50	30.000		87.1	70 - 130			
,2,4-Trimethylbenzene	26.5	0.50	30.000		88.3	70 - 130			
cc-Butylbenzene	25.9	0.50	30.000		86.3	70 - 130 70 - 130			

CET#: 2100859

Project: ECS

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J3140-BS1) - Continued					Prepared: 10	0/31/2022 Analy	/zed: 10/31/2	2022	
1,3-Dichlorobenzene	26.2	0.50	30.000		87.3	70 - 130			
4-Isopropyltoluene	26.8	0.50	30.000		89.3	70 - 130			
1,4-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
1,2-Dichlorobenzenc	26.5	0.50	30.000		88.2	70 - 130			
n-Butylbenzene	27.1	0.50	30.000		90.2	70 - 130			
1,2,4-Trichlorobenzene	27.2	0.50	30.000		90.7	70 - 130			
Hexachlorobutadiene	25.8	0.50	30.000		86.0	70 - 130			
Naphthalene	28.9	0.50	30.000		96.3	70 - 130			
1,2,3-Trichlorobenzene	27.5	0.50	30.000		91.8	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					110	70 - 130			
Surrogate: Toluene-d8					102	70 - 130			
Surrogate: 4-Bromofluorobenzene					104	70 - 130			

### Batch B2K0133 - EPA 525.3

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes			
Blank (B2K0133-BLK1)					Prepared: 1	1/1/2022 Analy	zed: 11/6/2021	2				
Naphthalene	ND	1.0						_				
Acenaphthylene	ND	0.30										
Acenaphthene	ND	1.0										
Fluorenc	ND	1.0										
Phenanthrene	ND	0.077										
Anthracene	ND	1.0										
Fluoranthene	ND	1.0										
Pyrene	ND	1.0										
Benzo[a]anthracene	ND	0.060										
Chrysene	ND	0.50										
Benzo[b]fluoranthene	ND	0.080										
Benzo[k]fluoranthene	ND	0.30										
Benzo[a]pyrene	ND	0.10										
Indeno[1,2,3-cd]pyrene	ND	0.10										
Dibenz[a,h]anthracene	ND	0.10										
Benzo[g,h,i]perylene	ND	0.40										
Surrogate: 2-Fluorobiphenyl					60.8	70 - 130			L			
Surrogate: Terphenyl-d14					71.0	70 - 130			L			
LCS (B2K0133-BS1)					Prepared: 1	1/1/2022 Analyz	ed: 11/6/2022	2				
Naphthalene	1.44	1.0	2.000		72.0	70 - 130						
Acenaphthylene	1.40	0.30	2.000		70.0	70 - 130						
Acenaphthene	1.45	1.0	2.000		72.5	70 - 130						
Fluorene	1.48	1.0	2.000		74.0	70 - 130						
Phenanthrene	1.50	0.077	2.000		75.0	70 - 130						
Anthracene	1.58	1.0	2.000		79.0	70 - 130						
Fluoranthene	1.45	1.0	2.000		72.5	70 - 130						
Pyrene	1.43	1.0	2.000		71.5	70 - 130						
Benzo[a]anthracene	1.45	0.060	2.000		72.5	70 - 130						
Chrysene	1.43	0.50	2.000		71.5	70 - 130						
Benzo[b]fluoranthene	1.43	0.080	2.000		71.5	70 - 130						
Benzo[k]fluoranthene	1.51	0.30	2.000		75.5	70 - 130						
Benzo[a]pyrene	1.55	0.10	2.000		77.5	70 - 130						
Indeno[1,2,3-cd]pyrene	1.40	0.10	2.000		70.0	70 - 130						
Dibenz[a,h]anthracene	1.41	0.10	2.000		70.5	70 - 130						
Benzo[g,h,i]perylene	1.41	0.40	2.000		70.5	70 - 130						
Surrogate: 2-Fluorobiphenyl					102	70 - 130						
Surrogate: Terphenyl-d14					120	70 - 130						

CET #: 2100859 Project: ECS

Batch B2K0302 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0302-BLK1)					Prepared: 1	/3/2022 Analy:	zed: 11/3/202	22	
ЕТРН	ND	0.10							
Surrogate: Octacosane					50.9	50 - 150			
LCS (B2K0302-BS1)					Prepared: 11	/3/2022 Analy:	zed: 11/4/202	22	
ЕТРН	0.587	0.10	0.500		117	60 - 120			
Surrogate: Octacosane					110	50 - 150			

CET #: 2100859 Project: ECS

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Sitta

RBlah J.

David Ditta

Laboratory Director

Project Manager

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Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

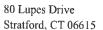
ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET#: 2100859 Project: ECS





Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

Surrogate Recovery The % recovery for non-target organic compounds that are spiked into all samples. Used to determine

method performance.

Continuing Calibration An analytical standard analyzed with each set of samples to verify initial calibration of the system. Batch

Samples that are analyzed together with the same method, sequence and lot of reagents within the same

time period.

ND Not detected at or above the specified reporting limit.

RL RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture. Dilution

Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample. Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample. Matrix Spike Dup % Recovery

% Recovery of spiked duplicate amount in sample. **RPD** Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

CC Calibration Verification

Flags:

H- Recovery is above the control limits

L- Recovery is below the control limits

B- Compound detected in the Blank

P- RPD of dual column results exceeds 40%

Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982 Rhode Island Certification 199



Laboratory Name:

Project Location:

ECS

# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Complete Environmental Testing, Inc.

Client: Advanced Envir. Redevelopment

Project Number:

Labora	atory Sample ID(s):	Sample Date	te(s):		
210085	9-01 thru 2100859-05	10/28/2022			
List RC	CP Methods Used:	CET #: - 2	2100859		
1	For each analytical method referenced in this laboratory report packs performance criteria followed, including the requirement to explain acceptable guidelines, as specified in the CTDEP method-specific R Protocol documents?	any criteria falling outside of		Yes	☐ No
1A	Were the method specified preservation and holding time requirement	ents met?		✓ Yes	☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method condumodifications (see Section 11.3 of respective RCP methods)?	ucted without significant		☐ Yes	□ No ☑ N/A
2	Were all samples received by the laboratory in a condition consisten associated chain-of-custody document(s)?	nt with that described on the		✓ Yes	☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C	2)?		☑ Yes	□ No ] N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reas documents achieved?	sonable Confidence Protocol		Yes	✓ No
5a	a) Were reporting limits specified or referenced on the chain-of-cust	tody?		Yes	✓ No
5b	b) Were these reporting limits met?			Yes	□ No
6	For each analytical method referenced in this laboratory report pack- all consituents identified in the method-specific analyte lists present Confidence Protocol documents?			Yes	✓ No
7	Are project specific matrix spikes and laboratory duplicates included	d with this data set?		Yes	☑ No
must b	For all questions to which the response was "No" (with the exception be provided in an attached narrative. If the answer to question #1, #1A, get the requirements for "Reasonable Confidence."  orm may not be altered and all questions must be answered.				
and cont	te undersigned, attest under the pains and penalties of belief and based upon my personal inquiry of those retained in this analytical report, such information is according to the contract of the contract o	responsible for providing ccurate and complete.	g the information		
Auth	horized Signature:	Position: <u>Laborator</u>	<u>v Director</u>		
Prin	nted Name: David Ditta	Date: 11/07/2	2022		
Prin	horized Signature:  Ited Name: <u>David Ditta</u> ne of Laboratory: <u>Complete Environmental Testing.</u>			<u>ctor</u>	<u>ctor</u>

This certification form is to be used for RCP methods only.

### **RCP Case Narrative**

4- See Exceptions Report Below

6- Client requested a subset of the RCP 8260 and 8270 lists.

7- Project specific QC was not requested by the client.

4_	Fyc	entions	Report
4-	LAU	ะเบเนบแอ	IXCDOIL

					Recovery	Batch/Sequence
Analyte	QC Type	Exception	Result	RPD	(%)	Sample ID
2-Fluorobiphenyl	SURR	Low			62.2	2100859-02
2-Fluorobiphenyl	SURR	Low			67.8	2100859-03
2-Fluorobiphenyl	SURR	Low			60.8	B2K0133-BLK1
Hexachlorobutadiene	CC	Low	24.0		79.9	S2K0107

### QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B2K0101	S2K0207	2100859-01	25	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0101	S2K0207	2100859-02	27	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-03	422	CT-ETPH	Drinking Water	10/28/2022
B2K0302		2100859-04	452	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-05	438/444	CT-ETPH	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2 TICs	Drinking Water	10/28/2022
B2K0133	\$2K0710	2100859-01	25	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-02	27	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-03	422	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-04	452	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-05	438/444	EPA 525.3	Drinking Water	10/28/2022

#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Water	
ЕТРН	CT,RI
EPA 524.2 in Water	
Methyl-t-Butyl Ether (MTBE)	CT,MA,RI
Benzene	СТ,МА,RI
Toluene	CT,MA,RI
Chlorobenzene	CT,MA,RI
Ethylbenzene	CT,MA,RI
m+p Xylenes	CT,MA,RI
o-Xylene	CT,MA,RI
Styrene	CT,MA,RI
Isopropylbenzene	CT,MA,RI
Bromobenzene	CT,MA,RI
n-Propylbenzene	CT,MA,RI
2-Chlorotoluene	CT,MA,RI
4-Chlorotoluene	CT,MA,RI
1,3,5-Trimethylbenzene	CT,MA,RI
tert-Butylbenzene	CT,MA,RI
1,2,4-Trimethylbenzene	CT,MA,RI
sec-Butylbenzene	CT,MA,RI
1,3-Dichlorobenzene	CT,MA,RI
4-Isopropyltoluene	CT,MA,RI
1,4-Dichlorobenzene	CT,MA,RI
1,2-Dichlorobenzene	CT,MA,RI
n-Butylbenzene	CT,MA,RI
1,2,4-Trichlorobenzene	CT,MA,RI
Hexachlorobutadiene	CT,MA,RI
Naphthalene	CT,MA,RI
1,2,3-Trichlorobenzene	CT,MA,RI
EPA 525.3 in Water	
Naphthalene	CT,RI
Acenaphthylene	CT,RI
Acenaphthene	CT,RI
Fluorene	CT,RI
Phenanthrene	CT,R1
Anthracene	CT,RI
Fluoranthene	CT,RI
Pyrene	CT,RI
Benzo[a]anthracene	CT,RI
Chrysene	CT,RI
Benzo[b]fluoranthene	CT,RI
Benzo[k]fluoranthene	CT,RI
Велzо[а]pyrene	CT,RI
Indeno[1,2,3-ed]pyrene	CT,RI
Dibenz[a,h]anthracene	CT,RI
Benzo[g,h,i]perylene	CT,RI

 $Complete\ Environmental\ Testing\ operates\ under\ the\ following\ certifications\ and\ accreditations:$ 

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2023
RI	Rhode Island Certification	LAO 00227	12/30/2022

COMPLETE ENVIRONMENTAL TESTING, INC.  Dupes Drive rationd, CT 08615  Fax: (203) 377-9984 Fax: (203) 377-9952 e-mail: cetservices @ cetlabs.com e-mail: bottleorders @ cetlabs.com  Collection Date/Time  Sample ID/Sample Depths (include Units for arry sample depths provided)  Divided Units for arry sample depths provided)  Collection Date/Time	1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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VOS Only B= Sodium W=Water F= Empty E=Encore)	
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80 Lupes Drive Stratford, CT 06615



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Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213

Bridgeport, CT 06606

# **Analytical Report CET# 2100859E**

Report Date:November 07, 2022

Project: ECS

438/440 SPONT HILL ROAD

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927 CET#: 2100859 Project: ECS

### **SAMPLE SUMMARY**

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
438/444	2100859-05	Drinking Water	10/28/2022 11:00	10/28/2022

Analyte: No Tentatively Identified Compounds [EPA 524.2 TICs]

Analyst: PMD

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2100859-05	438/444	ND	4.0	ug/L	1	B2J3140	10/31/2022	10/31/2022 17:31	

CET #: 2100859 Project: ECS

## Client Sample ID 438/444 Lab ID: 2100859-05

Conn. Extractable TPH Method: CT-ETPH

**Analyst: PDS** 

**Matrix: Drinking Water** 

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	0.10	1	EPA 3510C	B2K0302	11/03/2022	11/03/2022 23:28	
Surrogate: Octacosane	104 %	5	0 - 150		B2K0302	11/03/2022	11/03/2022 23:28	

Semivolatile Organics by 525.3

Method: EPA 525.3

Analyst: TWF

**Matrix: Drinking Water** 

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Acenaphthylene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Acenaphthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Fluorene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Phenanthrene	ND	0.077	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Anthracene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Fluoranthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Pyrene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Benzo[a]anthracene	ND	0.060	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Chrysene	ND	0.50	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Benzo[b]fluoranthene	ND	0.080	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Benzo[k]fluoranthene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Benzo[a]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Dibenz[a,h]anthracene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Benzo[g,h,i]perylene	ND	0.40	1	SPE	B2K0133	11/01/2022	11/06/2022 18:22	
Surrogate: 2-Fluorobiphenyl	77.0 %	71	0 - 130		B2K0133	11/01/2022	11/06/2022 18:22	
Surrogate: Terphenyl-d14	98.5 %	70	0 - 130		B2K0133	11/01/2022	11/06/2022 18:22	

Volatile Organics by 524.2

**Analyst: PMD** 

Method: EPA 524.2

	Result	RL					Date/Time	
Analyte	(ug/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes

CET#: 2100859 Project: ECS

# Client Sample ID 438/444 Lab ID: 2100859-05

**Volatile Organics by 524.2** 

Method: EPA 524.2

Analyst: PMD

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Benzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Toluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Chlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Ethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
m+p Xylenes	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
o-Xylene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Styrene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Isopropylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Bromobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
n-Propylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
2-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
1-Chlorotoluene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
1,3,5-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
ert-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
,2,4-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
ec-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
,3-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
l-Isopropyltolucne	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
,4-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
,2-Diehlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
-Butylbenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
,2,4-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
dexachlorobutadiene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	*CI
Naphthalene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
,2,3-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2J3140	10/31/2022	10/31/2022 17:31	
Surrogate: 1,2-Dichloroethane-d4	114 %	7(	) - 130		B2J3140	10/31/2022	10/31/2022 17:31	
Surrogate: Toluene-d8	96.1 %	70	0 - 130		B2J3140	10/31/2022	10/31/2022 17:31	
Surrogate: 4-Bromofluorobenzene	101 %	70	0 - 130		B2J3140	10/31/2022	10/31/2022 17:31	

### QUALITY CONTROL SECTION

### Batch B2J3140 - EPA 524.2 TICs

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2J3140-BLK1)					Prepared: 1	0/31/2022 Analy	zed: 10/31/2	2022	
No Tentatively Identified Compounds	ND	4.0							
Methyl-t-Butyl Ether (MTBE)	ND	1.0							
Benzene	ND	0.50							
Toluene	ND	0.50							
Chlorobenzene	ND	0.50							
Ethylbenzene	ND	0.50							
m+p Xylenes	ND	0.50							
o-Xylene	ND	0.50							
Styrene	ND	0.50							
sopropylbenzene	ND	0.50							
Bromobenzene	ND	0.50							
n-Propylbenzene	ND	0.50							
2-Chlorotoluene	ND	0.50							
4-Chlorotoluene	ND	0.50							
,3,5-Trimethylbenzene	ND	0.50							
ert-Butylbenzene	ND	0.50							
,2,4-Trimethylbenzene	ND	0.50							
ce-Butylbenzene	ND	0.50							
,3-Dichlorobenzene	ND	0.50							
-lsopropyltoluene	ND	0.50							
,4-Dichlorobenzene	ND	0.50							
,2-Dichlorobenzene	ND	0.50							
-Butylbenzene	ND	0.50							
,2,4-Trichlorobenzene	ND	0.50							
Hexachlorobutadiene	ND	0.50							
Naphthalene	ND	0.50							
,2,3-Trichlorobenzene	ND	0.50							
Surrogate: 1,2-Dichloroethane-d4					114	70 - 130			
Surrogate: Toluene-d8					105	70 - 130			
Surrogate: 4-Bromofluorobenzene					102	70 - 130			
LCS (B2J3140-BS1)					Prepared: 10	0/31/2022 Analy	zed: 10/31/2	022	
Methyl-t-Butyl Ether (MTBE)	35.9	1.0	30.000		120	70 - 130			
Benzene	28.5	0.50	30.000		94.9	70 - 130			
Foluene	28.5	0.50	30.000		95.0	70 - 130			
Chlorobenzene	26.8	0.50	30.000		89.3	70 - 130			
Ethylbenzene	27.0	0.50	30.000		89.9	70 - 130			
n+p Xylenes	53.5	0.50	60.000		89.2	70 - 130			
-Xylene	27.7	0.50	30.000		92.4	70 - 130			
tyrene	28.6	0.50	30.000		95.2	70 - 130			
sopropylbenzene	27.5	0.50	30.000		91.7	70 - 130			
Bromobenzene	26.3	0.50	30.000		87.8	70 - 130			
-Propylbenzene	26.1	0.50	30.000		87.0	70 - 130			
-Chlorotoluene	25.7	0.50	30.000		85.7	70 - 130			
-Chlorotoluene	26.4	0.50	30.000		87.8	70 - 130			
,3,5-Trimethylbenzene	26.4	0.50	30.000		88.1	70 - 130			
ert-Butylbenzene	26.1	0.50	30.000		87.1	70 - 130			
,2,4-Trimethylbenzene	26.5	0.50	30.000		88.3	70 - 130			
ec-Butylbenzene	25.9	0.50	30.000		86.3	70 - 130			

CET#: 2100859 Project: ECS

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2J3140-BS1) - Continued					Prepared: 1	0/31/2022 Analy	zed: 10/31/2	2022	
1,3-Dichlorobenzene	26.2	0.50	30.000		87.3	70 - 130			
4-lsopropyltoluene	26.8	0.50	30.000		89.3	70 - 130			
1,4-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
1,2-Dichlorobenzene	26.5	0.50	30.000		88.2	70 - 130			
n-Butylbenzene	27.1	0.50	30.000		90.2	70 - 130			
1,2,4-Trichlorobenzene	27.2	0.50	30.000		90.7	70 - 130			
Hexachlorobutadiene	25.8	0.50	30.000		86.0	70 - 130			
Naphthalene	28.9	0.50	30.000		96.3	70 - 130			
1,2,3-Trichlorobenzene	27.5	0.50	30.000		91.8	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					110	70 - 130			
Surrogate: Toluene-d8					102	70 - 130			
Surrogate: 4-Bromofluorobenzene					104	70 - 130			

### Batch B2K0133 - EPA 525.3

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0133-BLK1)					Prepared: 1	1/1/2022 Analyz	ed: 11/6/2022		
Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
luorene	ND	1.0							
Phenanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
Pyrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.10							
ndeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: 2-Fluorobiphenyl					60.8	70 - 130			L
Surrogate: Terphenyl-d14					71.0	70 - 130			_
LCS (B2K0133-BS1)					Prepared: 11	/1/2022 Analyz	ed: 11/6/2022		
Naphthalene	1.44	1.0	2.000		72.0	70 - 130			
Acenaphthylene	1.40	0.30	2.000		70.0	70 - 130			
Acenaphthene	1.45	1.0	2.000		72.5	70 - 130			
luorene	1.48	1.0	2.000		74.0	70 - 130			
henanthrene	1.50	0.077	2.000		75.0	70 - 130			
Anthracene	1.58	1.0	2.000		79.0	70 - 130			
luoranthene	1.45	1.0	2.000		72.5	70 - 130			
'yrene	1.43	1.0	2.000		71.5	70 - 130			
Benzo[a]anthracene	1.45	0.060	2.000		72.5	70 - 130			
Chrysene	1.43	0.50	2.000		71.5	70 - 130			
Benzo[b]fluoranthene	1.43	0.080	2.000		71.5	70 - 130			
Benzo[k]fluoranthene	1.51	0.30	2.000		75.5	70 - 130			
Benzo[a]pyrene	1.55	0.10	2.000		77.5	70 - 130			
ndeno[1,2,3-cd]pyrene	1.40	0.10	2.000		70.0	70 - 130			
Dibenz[a,h]anthracene	1.41	0.10	2.000		70.5	70 - 130			
Benzo[g,h,i]perylene	1.41	0.40	2.000		70.5	70 - 130			
urrogate: 2-Fluorohiphenyl					102	70 - 130			
urrogate: Terphenyl-d14					120	70 - 130			

CET #: 2100859 Project: ECS

### Batch B2K0302 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0302-BLK1)					Prepared: 11	/3/2022 Analy:	zed: 11/3/202	22	
ЕТРН	ND	0.10							
Surrogate: Octacosane					50.9	50 - 150			
LCS (B2K0302-BS1)					Prepared: 11	/3/2022 Analy:	zed: 11/4/202	22	
ЕТРН	0.587	0.10	0.500		117	60 - 120			
Surrogate: Octacosane					110	50 - 150			

CET#: 2100859 Project: ECS

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Sitta

RBlah J

David Ditta

Laboratory Director

Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET #: 2100859 Project: ECS

80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

Surrogate Recovery The % recovery for non-target organic compounds that are spiked into all samples. Used to determine

method performance.

Continuing Calibration An analytical standard analyzed with each set of samples to verify initial calibration of the system.

Batch Samples that are analyzed together with the same method, sequence and lot of reagents within the same

time period.

ND Not detected at or above the specified reporting limit.

RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

Dilution Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample.

Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample.

RPD Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

CC Calibration Verification

Flags:

H- Recovery is above the control limits

L- Recovery is below the control limits

B- Compound detected in the Blank

P- RPD of dual column results exceeds 40%

#- Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927 New York NELAP Accreditation 11982 Rhode Island Certification 199



Laboratory Name:

Project Location:

Laboratory Sample ID(s):

**ECS** 

# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Complete Environmental Testing, Inc.

Client: Advanced Envir. Redevelopment

Project Number:

Sample Date(s):

210085	9-01 thru 2100859-05	10/28/2022	4					
List RC	P Methods Used:	CET#:	2100859					
1	For each analytical method referenced in this laboratory report package, were all performance criteria followed, including the requirement to explain any criteria followed, including the requirement to explain any criteria followed in the CTDEP method-specific Reasonable Corprotocol documents?	alling outside of	,	✓ Yes	□ No			
1A	Were the method specified preservation and holding time requirements met?			✓ Yes	☐ No			
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without modifications (see Section 11.3 of respective RCP methods)?	significant		Yes	□ No N/A			
2	Were all samples received by the laboratory in a condition consistent with that de associated chain-of-custody document(s)?	scribed on the		✓ Yes	☐ No			
3	Were samples received at an appropriate temperature (< 6 degrees C.)?			Yes	□ No □ N/A			
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidocuments achieved?	dence Protocol		Yes	✓ No			
5a	a) Were reporting limits specified or referenced on the chain-of-custody?			Yes	☑ No			
5b	b) Were these reporting limits met?			Yes	☐ No			
6	For each analytical method referenced in this laboratory report package, were rest all consituents identified in the method-specific analyte lists presented in the Reas Confidence Protocol documents?			Yes	✓ No			
7	Are project specific matrix spikes and laboratory duplicates included with this dat	ta set?		Yes	✓ No			
must b	Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."  This form may not be altered and all questions must be answered.							
and	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.  Authorized Signature:  Position: Laboratory Director							
Prin	Printed Name: <u>David Ditta</u> Date: <u>11/07/2022</u>							
Nan	Name of Laboratory: Complete Environmental Testing, Inc.							

This certification form is to be used for RCP methods only.

### **RCP Case Narrative**

- 4- See Exceptions Report Below
- 6- Client requested a subset of the RCP 8260 and 8270 lists.
- 7- Project specific QC was not requested by the client.

4- Exceptions Report
----------------------

					Recovery	Batch/Sequence
Analyte	QC Type	Exception	Result	RPD	(%)	Sample ID
2-Fluorobiphenyl	SURR	Low			62.2	2100859-02
2-Fluorobiphenyl	SURR	Low			67.8	2100859-03
2-Fluorobiphenyl	SURR	Low			60.8	B2K0133-BLK1
Hexachlorobutadiene	CC	Low	24.0		79.9	S2K0107

### QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B2K0101	S2K0207	2100859-01	25	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0101	S2K0207	2100859-02	27	СТ-ЕТРН	Drinking Water	10/28/2022
B2K0302		2100859-03	422	CT-ETPH	Drinking Water	10/28/2022
B2K0302		2100859-04	452	CT-ETPH	Drinking Water	10/28/2022
B2K0302		2100859-05	438/444	СТ-ЕТРН	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-01	25	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-02	27	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-03	422	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-04	452	EPA 524.2 TICs	Drinking Water	10/28/2022
B2J3140	S2K0107	2100859-05	438/444	EPA 524.2 TICs	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-01	25	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-02	27	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-03	422	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-04	452	EPA 525.3	Drinking Water	10/28/2022
B2K0133	S2K0710	2100859-05	438/444	EPA 525.3	Drinking Water	10/28/2022

### Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Water	
ЕТРН	CT,RI
EPA 524.2 in Water	
Methyl-t-Butyl Ether (MTBE)	CT,MA,RI
Benzene	CT,MA,RI
Toluene	CT,MA,RI
Chlorobenzene	CT,MA,RI
Ethylbenzene	CT,MA,RI
m+p Xylenes	CT,MA,RI
o-Xylene	CT,MA,RI
Styrene	CT,MA,RI
Isopropylbenzene	CT,MA,RI
Bromobenzene	CT,MA,RI
n-Propylbenzene	CT,MA,RI
2-Chlorotoluene	CT,MA,RI
4-Chlorotoluene	CT,MA,RI
1,3,5-Trimethylbenzene	CT,MA,RI
tert-Butylbenzene	CT,MA,RI
1,2,4-Trimethylbenzene	CT,MA,RI
see-Butylbenzene	CT,MA,RI
1,3-Dichlorobenzene	CT,MA,RI
4-Isopropyltoluene	CT,MA,RI
1,4-Dichlorobenzene	CT,MA,RI
1,2-Dichlorobenzene	CT,MA,RI
n-Butylbenzene	CT,MA,RI
1,2,4-Trichlorobenzene	CT,MA,RI
Hexachlorobutadiene	CT,MA,RI
Naphthalene	CT,MA,RI
1,2,3-Trichlorobenzene	CT,MA,RI
EPA 525.3 in Water	
Naphthalene	CT.RI
Acenaphthylene	CT.RI
Acenaphthene	CT,RI
Fluorene	CT,RI
Phenanthrene	CT,RI
Anthracenc	CT,RI
Fluoranthene	CT,RI
Pyrene	CT,RI
Benzo[a]anthracene	CT,RI
Chrysene	CT.RI
Benzo[b]fluoranthene	CT,RI
Benzo[k]fluoranthene	CT,RI
Benzo[a]pyrene	CT,RI
Indeno[1,2,3-cd]pyrene	CT,RI
Dibenz[a,h]anthracene	CT,RI
Benzo[g,h,i]perylene	C'T,RI

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2023
RI	Rhode Island Certification	LAO 00227	12/30/2022

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Stratford, CT 06615 Fa: e-mail: cetservic	x: (203) 377-9952 ces@cetlabs.com ers@cetlabs.com	A=Air S=Soil W=Water DW=Drinking Water C=Cessette	(	check	one)	)	T Llat	8260 Arometics	H	Tust	ă	П		IIV POII	į			pe	thered Hitter		#2-	C) Luis Orto	DPNA)	200	+		TOTAL # OF CONT.
Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Solid Wipe Other (Specify)	Same Day	Next Day *	Three Day *	Std (6-7 Days)	8260 CT List	8280 Au	CT ETPH	-8270 CT Ust	PCBs []	Pesticides	8 RCRA	13 Priority POR	Total	SPLP	TCLP	Dissolved	Field Filtered		2745	thro	525				
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Soli VOOS Only MEMOOH BE Sodium	W=Water F= Empty	E=Encore)					V	N	1																		
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80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cet1@cetlabs.com

Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213 Bridgeport, CT 06606

# **Analytical Report CET# 2110009A**

Report Date: November 07, 2022

Project: ECS

439 SPONT HIL ROMD

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927 CET #: 2110009 Project: ECS

### **SAMPLE SUMMARY**

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
439	2110009-01	Drinking Water	11/01/2022 9:00	11/01/2022

### Analyte: No Tentatively Identified Compounds [EPA 524.2 TICs]

Analyst: PMD

Laboratory	ID Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2110009-0	)1 439	ND	4.0	ug/L	1	B2K0249	11/02/2022	11/02/2022 10:51	

CET # : 2110009 Project: ECS

## Client Sample ID 439 Lab ID: 2110009-01

Conn. Extractable TPH

Method: CT-ETPH

**Analyst: PDS** 

Matrix: Drinking Water

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	0.10	1	EPA 3510C	B2K0302	11/03/2022	11/04/2022 12:13	
Surrogate: Octacosane	73.5 %	3	50 - 150		B2K0302	11/03/2022	11/04/2022 12:13	

Semivolatile Organics by 525.3

Method: EPA 525.3

**Analyst: TWF** 

Matrix: Drinking Water

							Matrix, Dimi	
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Acenaphthylene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Acenaphthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Fluorene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Phenanthrene	ND	0.077	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Anthracene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Fluoranthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Pyrene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Benzo[a]anthracene	ND	0.060	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Chrysene	ND	0.50	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Benzo[b]fluoranthene	ND	0.080	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Benzo[k]fluoranthene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Benzo[a]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Dibenz[a,h]anthracene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Benzo[g,h,i]perylene	ND	0.40	1	SPE	B2K0133	11/01/2022	11/06/2022 18:46	
Surrogate: 2-Fluorobiphenyl	76.4 %	7	0 - 130		B2K0133	11/01/2022	11/06/2022 18:46	
Surrogate: Terphenyl-d14	73.2 %	7	0 - 130		B2K0133	11/01/2022	11/06/2022 18:46	

**Volatile Organics by 524.2** 

Method: EPA 524.2

**Analyst: PMD** 

R	esult	RL					Date/Time	
Analyte (u	g/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes

CET #: 2110009 Project: ECS

#### Client Sample ID 439 Lab ID: 2110009-01

**Volatile Organics by 524.2** 

Method: EPA 524.2

Analyst: PMD

Matrix: Drinking Water

							Matrix, Dilli	ang
Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Benzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Toluene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Chlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Ethylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
n+p Xylenes	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
p-Xylene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Styrene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
sopropylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Bromobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
-Propylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
-Chlorotolucne	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
-Chlorotolucne	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
,3,5-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
ert-Butylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
,2,4-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
ec-Butylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
,3-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
-lsopropyltoluene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
,4-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
,2-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
ı-Butylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
,2,4-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
dexachlorobutadiene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Naphthalene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
,2,3-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 10:51	
Surrogate: 1,2-Dichloroethane-d4	110 %	7	0 - 130		B2K0249	11/02/2022	11/02/2022 10:51	
Surrogate: Toluene-d8	103 %	7	0 - 130		B2K0249	11/02/2022	11/02/2022 10:51	
urrogate: 4-Bromofluorobenzene	97.4 %	7	0 - 130		B2K0249	11/02/2022	11/02/2022 10:51	

CET # : 2110009 Project: ECS

#### **QUALITY CONTROL SECTION**

#### Batch B2K0133 - EPA 525.3

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0133-BLK1)					Prepared: 1	1/1/2022 Analy	zed: 11/6/202	2	
Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
Fluorene	ND	1.0							
Phenanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
Pyrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.10							
ndeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: 2-Fluorobiphenyl					60.8	70 - 130			L
Surrogate: Terphenyl-d14					71.0	70 - 130			
LCS (B2K0133-BS1)					Prepared: 1	1/1/2022 Analya	zed: 11/6/202	2	
Naphthalene	1.44	1.0	2.000		72.0	70 - 130			
Acenaphthylene	1.40	0.30	2.000		70.0	70 - 130			
Acenaphthene	1.45	1.0	2.000		72.5	70 - 130			
luorene	1.48	1.0	2.000		74.0	70 - 130			
henanthrene	1.50	0.077	2.000		75.0	70 - 130			
Anthracene	1.58	1.0	2.000		79.0	70 - 130			
luoranthene	1.45	1.0	2.000		72.5	70 - 130			
Pyrene	1.43	1.0	2.000		71.5	70 - 130			
Benzo[a]anthracene	1.45	0.060	2.000		72.5	70 - 130			
Chrysene	1.43	0.50	2.000		71.5	70 - 130			
Benzo[b]fluoranthene	1.43	0.080	2.000		71.5	70 - 130			
Benzo[k]fluoranthene	1.51	0.30	2.000		75.5	70 - 130			
Benzo[a]pyrene	1.55	0.10	2.000		77.5	70 - 130			
ndeno[1,2,3-ed]pyrene	1.40	0.10	2.000		70.0	70 - 130			
Dibenz[a,h]anthracene	1.41	0.10	2.000		70.5	70 - 130			
Benzo[g,h,i]perylene	1.41	0.40	2.000		70.5	70 - 130			
urrogate: 2-Fluorobiphenyl					102	70 - 130			
urrogate: Terphenyl-d14					120	70 - 130			

#### Batch B2K0249 - EPA 524.2 TICs

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Błank (B2K0249-BLK1)					Prepared: 1	1/2/2022 Analyz	red: 11/2/202	2	
Tentatively Identified Compounds	ND	4.0							
Methyl-t-Butyl Ether (MTBE)	ND	1.0							
Senzene	ND	0.50							
oluene	ND	0.50							
hlorobenzene	ND	0.50							
thylbenzene	ND	0.50							
+p Xylenes	ND	0.50							
-Xylene	ND	0.50							
tyrene	ND	0.50							
opropylbenzene	ND	0.50							
romobenzene	ND	0.50							
Propylbenzene	ND	0.50							
-Chlorotoluene	. ND	0.50							
-Chlorotoluene	ND	0.50							
3,5-Trimethylbenzene	ND	0.50							
ert-Butylbenzene	ND	0.50							
2,4-Trimethylbenzene	ND	0.50							
ec-Butylbenzene	ND	0.50							
3-Dichlorobenzene	ND	0.50							
Isopropyltoluene	ND	0.50							
4-Dichlorobenzene	ND	0.50							
2-Dichlorobenzene	ND	0.50							
Butylbenzene	ND	0.50							
2,4-Trichlorobenzene	ND	0.50							
exachlorobutadiene	ND	0.50							
aphthalene	ND	0.50							
2,3-Trichlorobenzene	ND	0.50							
rrogate: 1,2-Dichloroethane-d4					116	70 - 130			
rrogate: Toluene-d8					103	70 - 130			
nrogate: 4-Bromofluorobenzene					102	70 - 130			
CS (B2K0249-BS1)					Prepared: 11	1/2/2022 Analyz	ed: 11/2/202	2	
lethyl-t-Butyl Ether (MTBE)	37.0	1.0	30.000		123	70 - 130			
enzene	30.0	0.50	30.000		99.8	70 - 130			
oluene	30.5	0.50	30.000		102	70 - 130			
hlorobenzene	28.2	0.50	30.000		94.0	70 - 130			
thylbenzene	28.5	0.50	30.000		95.0	70 - 130			
+p Xylenes	56.6	0.50	60.000		94.3	70 - 130			
Xylene	29.1	0.50	30.000		96.8	70 - 130			
cyrene	30.0	0.50	30.000		100	70 - 130			
opropylbenzene	28.8	0.50	30.000		95.9	70 - 130			
romobenzene	27.7	0.50	30.000		92.3	70 - 130			
Propylbenzene	27.5	0.50	30.000		91.6	70 - 130			
Chlorotoluene	26.8	0.50	30.000		89.5	70 - 130			
Chlorotoluene	27.7	0.50	30.000		92.2	70 - 130			
3,5-Trimethylbenzene	27.6	0.50	30.000		91.9	70 - 130			
rt-Butylbenzene	27.1	0.50	30.000		90.5	70 - 130			
2,4-Trimethylbenzene	27.7	0.50	30.000		92.5	70 - 130			
ee-Butylbenzene	27.4	0.50	30.000		91.2	70 - 130			
3-Dichlorobenzene	27.3	0.50	30.000		91.1	70 - 130			
-lsopropyltoluene	27.8	0.50	30.000		92.6	70 - 130			
4-Dichlorobenzene	27.2	0.50	30.000		90.8	70 - 130			

Complete Environmental Testing, Inc.

CET #: 2110009 Project: ECS

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2K0249-BS1) - Continued					Prepared: 1	1/2/2022 Analyz	zed: 11/2/202	22	
1,2-Dichlorobenzene	27.5	0.50	30.000		91.6	70 - 130			
n-Butylbenzene	27.6	0.50	30.000		92.1	70 - 130			
1,2,4-Trichlorobenzene	28.0	0.50	30.000		93.3	70 - 130			
Hexachlorobutadiene	26.5	0.50	30.000		88.3	70 - 130			
Naphthalene	29.6	0.50	30.000		98.6	70 - 130			
1,2,3-Trichlorobenzene	28.3	0.50	30.000		94.2	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					109	70 - 130			
Surrogate: Toluene-d8					104	70 - 130			
Surrogate: 4-Bromofluorobenzene					105	70 - 130			

CET#: 2110009

Project: ECS

#### Batch B2K0302 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0302-BLK1)					Prepared: 11	1/3/2022 Analy	zed: 11/3/202	22	
ЕТРН	ND	0.10							
Surrogate: Octacosane					50.9	50 - 150			
LCS (B2K0302-BS1)					Prepared: 11	1/3/2022 Analy	zed: 11/4/202	22	
ЕТРН	0.587	0.10	0.500		117	60 - 120			
Surrogate: Octacosane					110	50 - 150			

CET#: 2110009 Project: ECS

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Sitta

R Blah T

David Ditta Laboratory Director Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

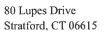
ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET #: 2110009 Project: ECS





Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

Surrogate Recovery The % recovery for non-target organic compounds that are spiked into all samples. Used to determine

method performance.

Continuing Calibration An analytical standard analyzed with each set of samples to verify initial calibration of the system.

Batch Samples that are analyzed together with the same method, sequence and lot of reagents within the same

time period

ND Not detected at or above the specified reporting limit.

RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

Dilution Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample.

Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample.

RPD Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

CC Calibration Verification

Flags:

H- Recovery is above the control limitsL- Recovery is below the control limits

B- Compound detected in the Blank

P- RPD of dual column results exceeds 40%

#- Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927 New York NELAP Accreditation 11982 Rhode Island Certification 199



# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Labore	atory Name:	Complete Environmental Testing, Inc.	Client: Advanced Envir. Red	Envir. Redevelopment						
Projec	t Location:	ECS	Project Number:							
Labore	atory Sample I	TD(s):	Sample Date(s):							
211000	09-01 thru 21100	09-02	11/01/2022							
List RO	CP Methods Us	sed:	CET#: 2110009							
1	performance cri	cal method referenced in this laboratory report package, we teria followed, including the requirement to explain any critelines, as specified in the CTDEP method-specific Reasonal ents?	cria falling outside of	✓ Yes No						
1A	Were the metho	d specified preservation and holding time requirements met	?	✓ Yes No						
18		Methods only: Was the VPH and EPH method conducted we ce Section 11.3 of respective RCP methods)?	ithout significant	Yes No						
2		s received by the laboratory in a condition consistent with the constant of constant of the co	nat described on the	✓ Yes No						
3	Were samples re	eccived at an appropriate temperature (< 6 degrees C.)?		Yes No						
4	Were all QA/Q0 documents achie	performance criteria specified in the CT DEP Reasonable eved?	Confidence Protocol	Yes 🗸 No						
5a	a) Were reportin	g limits specified or referenced on the chain-of-custody?		✓ Yes No						
5b	b) Were these re	porting limits met?		✓ Yes No						
6	all consituents is	cal method referenced in this laboratory report package, we dentified in the method-specific analyte lists presented in the ocol documents?	•	☐Yes ✓ No						
7	Are project spec	ific matrix spikes and laboratory duplicates included with the	nis data set?	Yes .No						
must l not m	be provided in an a eet the requiremen	to which the response was "No" (with the exception of quest ttached narrative. If the answer to question #1, #1A, or #1B ts for "Reasonable Confidence." rered and all questions must be answered.								
and con	I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowled 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.  Authorized Signature:  Position: Laboratory Director									
	nted Name: <u>Da</u> ne of Laborato	ory: Complete Environmental Testing, Inc.	Date: <u>11/07/2022</u>							

This certification form is to be used for RCP methods only.

#### **RCP Case Narrative**

- 4- See Exceptions Report Below
- 6- Client requested a subset of the RCP 8260 and 8270 lists.
- 7- Project specific QC was not requested by the client.

			4- Exc	eptions Report			
Analyte		QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
2-Fluorobipher	nyl	SURR	Low			58.0	2110009-02
2-Fluorobipher	nyl	SURR	Low			60.8	B2K0133-BLK1
			QC Batch/Seque	ence Report			
Batch	Sequence	CET ID	Sample ID	Specific Method		Matrix	Collection Date
B2K0302		2110009-01	439	CT-ETPI	Н	Drinking Water	11/01/2022
B2K0337		2110009-02	450	CT-ETPI	Ĥ	Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-01	439	EPA 524.	.2	Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-02	450	EPA 524.	.2	Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-01	439	EPA 524.2 T	ΓICs	Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-02	450	EPA 524.2 T	ΓICs	Drinking Water	11/01/2022
B2K0133	S2K0710	2110009-01	439	EPA 525.	.3	Drinking Water	11/01/2022
B2K0133	S2K0710	2110009-02	450	EPA 525.	.3	Drinking Water	11/01/2022

#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Water	
ЕТРН	CT,RI
EPA 524.2 in Water	
Methyl-t-Butyl Ether (MTBE)	CT,MA,RI
Benzene	CT,MA,RI
Toluene	CT,MA,RI
Chlorobenzene	CT,MA,RI
Ethylbenzene	CT,MA,RI
m+p Xylenes	CT,MA,RI
o-Xylene	CT,MA,RI
Styrene	CT,MA,RI
Isopropylbenzene	CT,MA,RI
Bromobenzene	CT,MA,RI
n-Propylbenzene	CT,MA,RI
2-Chlorotoluene	CT,MA,RI
4-Chlorotoluene	CT,MA,RI
1,3,5-Trimethylbenzene	CT,MA,RI
tert-Butylbenzene	CT,MA,RI
1,2,4-Trimethylbenzene	CT,MA,RI
see-Butylbenzene	CT,MA,RI
1,3-Dichlorobenzene	CT,MA,RI
4-Isopropyltoluene	CT,MA,RI
1,4-Dichlorobenzene	CT,MA,RI
1,2-Diehlorobenzene	CT,MA,RI
n-Butylbenzene	CT,MA,RI
1,2,4-Trichlorobenzene	CT,MA,RI
Hexachlorobutadiene	CT,MA,RI
Naphthalene 1,2,3-Trichlorobenzene	CTMA,RI
	CT,MA,RI
EPA 525.3 in Water	
Naphthalenc	CT,RI
Acenaphthylene	CT,RI
Acenaphthene	CT,RI
Fluorene	CT,RI
Phenanthrene	CT,RI
Anthracene	CT,RI
Fluoranthene	CT,RI
Pyrene	CT,RI
Benzo[a]anthracene	CT,RI
Chrysene Benzo[b]fluoranthene	CT.RI
Benzo[k]fluoranthene	CT,RI
Benzo[a]pyrene	CT,RI CT,RI
Indeno[1,2,3-cd]pyrene	CT,RI
Dibenz[a,h]anthracene	CT,RI
Benzo[g,h,i]perylene	CT,RI
[Pinit]kar) tena	C tyto

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2023
RI	Rhode Island Certification	LAO 00227	12/30/2022

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e-mail: cetservi	el: (203) 377-9984 x: (203) 377-9952 ces@cetlabs.com lers@cetlabs.com	Matrix A=Air S=Soil W=Water DW=Drinking			nd Tir k one	)		fice	9			SOX □ ASE		₹			eta	IS			t	SAR	200	radit	iona	Ana	alysis		CONT.
Sample ID/Sample Depths (Include Units for any sample depths provided)	Collection Date/Time	Water C=Cassette Solid Wipe Other (Specify)	Same Day *	Next Day *	Three Day *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	-8270 CT List	8270 PNAs	PCBs [] S	Pesticides	13 Priority Poll	15 CT DEP	Total	SPLP	TOLP	Dissolved	Field Filtered		124	5	250					TOTAL # OF CONT.
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80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: cet1@cetlabs.com

Client:

Mr. Chris Kopley

Advanced Envir. Redevelopment 904 Madison Avenue - Room 213

Bridgeport, CT 06606

# Analytical Report CET# 2110009B

Report Date:November 07, 2022

Project: ECS

460 SPUNT HIL ROAD

Connecticut Laboratory Certificate: PH 0116 Massachusetts Laboratory Certificate: M-CT903 Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982 Pennsylvania Laboratory Certificate: 68-02927 CET #: 2110009 Project: ECS

#### **SAMPLE SUMMARY**

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
450	2110009-02	Drinking Water	11/01/2022 9:00	11/01/2022

Analyte: No Tentatively Identified Compounds [EPA 524.2 TICs]

Analyst: PMD

**Matrix: Drinking Water** 

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2110009-02	450	ND	4.0	ug/L	1	B2K0249	11/02/2022	11/02/2022 11:18	

CET#: 2110009 Project: ECS

#### Client Sample ID 450 Lab ID: 2110009-02

Conn. Extractable TPH

Method: CT-ETPH

**Analyst: PDS** 

Matrix: Drinking Water

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ЕТРН	ND	0.10	1	EPA 3510C	B2K0337	11/03/2022	11/04/2022 18:43	
Surrogate: Octacosane	101 %	5	0 - 150	<u> </u>	B2K0337	11/03/2022	11/04/2022 18:43	

Semivolatile Organics by 525.3

Method: EPA 525.3

Analyst: TWF

Matrix: Drinking Water

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Acenaphthylene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Acenaphthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Fluorene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Phenanthrene	ND	0.077	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Anthracene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Fluoranthene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Pyrene	ND	1.0	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Benzo[a]anthracene	ND	0.060	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Chrysene	ND	0.50	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Benzo[b]fluoranthene	ND	0.080	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Benzo[k]fluoranthene	ND	0.30	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Benzo[a]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Dibenz[a,h]anthracene	ND	0.10	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Benzo[g,h,i]perylene	ND	0.40	1	SPE	B2K0133	11/01/2022	11/06/2022 19:10	
Surrogate: 2-Fluorohiphenyl	58.0 %	7	70 - 130		B2K0133	11/01/2022	11/06/2022 19:10	L
Surrogate: Terphenyl-d14	73.6 %	7	70 - 130		B2K0133	11/01/2022	11/06/2022 19:10	

**Volatile Organics by 524.2** 

Method: EPA 524.2

**Analyst: PMD** 

Matrix: Drinking Water

	Result	RL					Date/Time	
Analyte	(ug/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes

CET #: 2110009 Project: ECS

> **Client Sample ID 450** Lab ID: 2110009-02

**Volatile Organics by 524.2** Method: EPA 524.2

**Analyst: PMD** 

Matrix: Drinking Water

Wiethou: EFA 324.2							Matrix: Drink	ing Water
	Result	RL					Date/Time	
Analyte	(ug/L)	(ug/L)	Dilution	Prep Method	Batch	Prepared	Analyzed	Notes
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Benzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Toluene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Chlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Ethylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
m+p Xylenes	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
o-Xylene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Styrene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Isopropylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Bromobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
n-Propylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
2-Chlorotolucne	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
4-Chlorotoluene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
1,3,5-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
tert-Butylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
1,2,4-Trimethylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
sec-Butylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
1,3-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
4-Isopropyltoluene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
1,4-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
1,2-Dichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
n-Butylbenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
1,2,4-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Hexachlorobutadiene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Naphthalene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
1,2,3-Trichlorobenzene	ND	0.50	1	EPA 5030C	B2K0249	11/02/2022	11/02/2022 11:18	
Surrogate: 1,2-Dichloroethane-d4	108 %	7	70 - 130		B2K0249	11/02/2022	11/02/2022 11:18	
Surrogate: Toluene-d8	102 %	7	70 - 130		B2K0249	11/02/2022	11/02/2022 11:18	
Surrogate: 4-Bromofluorobenzene	97.7 %	;	70 - 130		B2K0249	11/02/2022	11/02/2022 11:18	

CET # : 2110009 Project: ECS

#### QUALITY CONTROL SECTION

#### Batch B2K0133 - EPA 525.3

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0133-BLK1)					Prepared: 1	1/1/2022 Analyz	zed: 11/6/2022	2	
Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
Fluorene	ND	1.0							
Phenanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
yrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.10							
ndeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: 2-Fluorobiphenyl					60.8	70 - 130			L
Surrogate: Terphenyl-d14					71.0	70 - 130			
LCS (B2K0133-BS1)					Prepared: 1	1/1/2022 Analya	zed: 11/6/2022	2	
Naphthalene	1.44	1.0	2.000		72.0	70 - 130			
Acenaphthylene	1.40	0.30	2.000		70.0	70 - 130			
Acenaphthene	1.45	1.0	2.000		72.5	70 - 130			
Fluorene	1.48	1.0	2.000		74.0	70 - 130			
Phenanthrene	1.50	0.077	2.000		75.0	70 - 130			
Anthracene	1.58	1.0	2.000		79.0	70 - 130			
Fluoranthene	1.45	1.0	2.000		72.5	70 - 130			
Pyrene	1.43	1.0	2.000		71.5	70 - 130			
Benzo[a]anthracene	1.45	0.060	2.000		72.5	70 - 130			
Chrysene	1.43	0.50	2.000		71.5	70 - 130			
Benzo[b]fluoranthene	1.43	0.080	2.000		71.5	70 - 130			
Benzo[k]fluoranthene	1.51	0.30	2.000		75.5	70 - 130			
Benzo[a]pyrene	1.55	0.10	2.000		77.5	70 - 130			
Indeno[1,2,3-cd]pyrene	1.40	0.10	2.000		70.0	70 - 130			
Dibenz[a,h]anthracene	1.41	0.10	2.000		70.5	70 - 130			
Benzo[g,h,i]perylene	1.41	0.40	2.000		70.5	70 - 130			
Surrogate: 2-Fluorobiphenyl					102	70 - 130			
Surrogate: Terphenyl-d14					120	70 - 130			

#### Batch B2K0249 - EPA 524.2 TICs

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0249-BLK1)					Prepared: 11	1/2/2022 Analyz	ed: 11/2/202	22	
No Tentatively Identified Compounds	ND	4.0							
Methyl-t-Butyl Ether (MTBE)	ND	1.0							
Benzene	ND	0.50							
oluene	ND	0.50							
Chlorobenzene	ND	0.50							
thylbenzene	ND	0.50							
n+p Xylenes	ND	0.50							
-Xylene	ND	0.50							
tyrene	ND	0.50							
opropylbenzene	ND	0.50							
romobenzene	ND	0.50							
Propylbenzene	ND	0.50							
-Chlorotoluene	ND	0.50							
-Chlorotoluene	ND	0.50							
3,5-Trimethylbenzene	ND	0.50							
ert-Butylbenzene	ND	0.50							
2,4-Trimethylbenzene	ND	0.50							
ec-Butylbenzene	ND	0.50							
3-Dichlorobenzene	ND	0.50							
Isopropyltoluene	ND	0.50							
4-Dichlorobenzene	ND	0.50							
2-Dichlorobenzene	ND	0.50							
Butylbenzene	ND	0.50							
2,4-Trichlorobenzene	ND	0.50							
exachlorobutadiene	ND	0.50							
aphthalene	ND	0.50							
2,3-Trichlorobenzene	ND	0.50							
rrogate: 1,2-Dichloroethane-d4					116	70 - 130			
irrogate: Toluene-d8					103	70 - 130			
urrogate: 4-Bromofluorobenzene					102	70 - 130			
CS (B2K0249-BS1)					Prepared: 1	1/2/2022 Analyz	zed: 11/2/202	22	
lethyl-t-Butyl Ether (MTBE)	37.0	1.0	30.000		123	70 - 130			
enzene	30.0	0.50	30.000		99.8	70 - 130			
oluene	30.5	0.50	30.000		102	70 - 130			
hlorobenzene	28.2	0.50	30.000		94.0	70 - 130			
thylbenzene	28.5	0.50	30.000		95.0	70 - 130			
+p Xylenes	56.6	0.50	60.000		94.3	70 - 130			
-Xylene	29.1	0.50	30.000		96.8	70 - 130			
tyrene	30.0	0.50	30.000		100	70 - 130			
opropylbenzene	28.8	0.50	30.000		95.9	70 - 130			
romobenzene	27.7	0.50	30.000		92.3	70 - 130			
Propylbenzene	27.5	0.50	30.000		91.6	70 - 130			
Chlorotoluene	26.8	0.50	30.000		89.5	70 - 130			
Chlorotoluene	27.7	0.50	30.000		92.2	70 - 130			
3,5-Trimethylbenzene	27.6	0.50	30.000		91.9	70 - 130			
ert-Butylbenzene	27.1	0.50	30.000		90.5	70 - 130			
2,4-Trimethylbenzene	27.7	0.50	30.000		92.5	70 - 130			
ec-Butylbenzene	27.4	0.50	30.000		91.2	70 - 130			
3-Dichlorobenzene	27.3	0.50	30.000		91.1	70 - 130			
-Isopropyltoluene	27.8	0.50	30.000		92.6	70 - 130			
,4-Dichlorobenzene	27.2	0.50	30.000		90.8	70 - 130			

Complete Environmental Testing, Inc.

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Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2K0249-BS1) - Continued					Prepared: 1	1/2/2022 Analyz	ed: 11/2/202	22	
1,2-Dichlorobenzene	27.5	0.50	30.000		91.6	70 - 130			
n-Butylbenzene	27.6	0.50	30.000		92.1	70 - 130			
1,2,4-Trichlorobenzene	28.0	0.50	30.000		93.3	70 - 130			
Hexachlorobutadiene	26.5	0.50	30.000		88.3	70 - 130			
Naphthalene	29.6	0.50	30.000		98.6	70 - 130			
1,2,3-Trichlorobenzene	28.3	0.50	30.000		94.2	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					109	70 - 130			
Surrogate: Toluene-d8					104	70 - 130			
Surrogate: 4-Bromofluorobenzene					105	70 - 130			

CET#: 2110009 Project: ECS

#### Batch B2K0337 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2K0337-BLK1)					Prepared: 1	1/3/2022 Analy	zed: 11/4/202	22	
ЕТРН	ND	0.10							
Surrogate: Octavosane					77.2	50 - 150			
LCS (B2K0337-BS1)					Prepared: 1	1/3/2022 Analy:	zed: 11/4/202	22	
ЕТРН	0.540	0.10	0.500		108	60 - 120			
Surrogate: Octacosane					115	50 - 150			
LCS Dup (B2K0337-BSD1)					Prepared: 1	1/3/2022 Analy:	zed: 11/4/202	22	
ЕТРН	0.578	0.10	0.500		116	60 - 120	6.76	30	
Surrogate: Octacosane					114	50 - 150			

CET #: 2110009 Project: ECS

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake

David Litta

RBlah J

David Ditta Laboratory Director Project Manager

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Report Comments:

#### Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET#: 2110009 Project: ECS

80 Lupes Drive Stratford, CT 06615



Tel: (203) 377-9984 Fax: (203) 377-9952 email: cet1@cetlabs.com

#### Quality Control Definitions and Abbreviations

Internal Standard (IS) An Analyte added to each sample or sample extract. An internal standard is used to monitor retention

time, calculate relative response, and quantify analytes of interest.

The % recovery for non-target organic compounds that are spiked into all samples. Used to determine Surrogate Recovery

method performance.

An analytical standard analyzed with each set of samples to verify initial calibration of the system. Continuing Calibration

Samples that are analyzed together with the same method, sequence and lot of reagents within the same Batch

Not detected at or above the specified reporting limit. ND

RL RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture. Dilution

Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high

concentration of target compounds.

Duplicate Result from the duplicate analysis of a sample.

Result Amount of analyte found in a sample. Spike Level Amount of analyte added to a sample

Matrix Spike Result Amount of analyte found including amount that was spiked.

Matrix Spike Dup Amount of analyte found in duplicate spikes including amount that was spike.

Matrix Spike % Recovery % Recovery of spiked amount in sample.

Matrix Spike Dup % Recovery % Recovery of spiked duplicate amount in sample.

RPD Relative percent difference between Matrix Spike and Matrix Spike Duplicate.

Blank Method Blank that has been taken through all steps of the analysis.

LCS % Recovery Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.

Recovery Limits A range within which specified measurements results must fall to be compliant.

Calibration Verification CC

Flags:

H- Recovery is above the control limits

Recovery is below the control limits

Compound detected in the Blank

P- RPD of dual column results exceeds 40%

#- Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116 Massachussets Laboratory Certification M-CT903 Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982 Rhode Island Certification 199



Laboratory Name:

# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Complete Environmental Testing, Inc.

Client: Advanced Envir. Redevelopment

Projec	t Location:	ECS	Project Number:	
Labora	atory Sample I	D(s):	Sample Date(s):	
211000	09-01 thru 21100	09-02	11/01/2022	
List RO	CP Methods Us 1	ed:	CET#: 2110009	
1	performance crit	eria followed, including the requiremen lines, as specified in the CTDEP metho	report package, were all specified QA/QC t to explain any criteria falling outside of d-specific Reasonable Confidence	☑Yes □ No
1A	Were the method	specified preservation and holding tim	e requirements met?	✓ Yes No
1B		Methods only: Was the VPH and EPH mee Section 11.3 of respective RCP methods		☐ Yes ☐ No ☑ N/A
2		s received by the laboratory in a condition of-custody document(s)?	on consistent with that described on the	✓ Yes No
3	Were samples re	ceived at an appropriate temperature (<	6 degrees C.)?	Yes No
4	Were all QA/QC documents achie		T DEP Reasonable Confidence Protocol	Yes 🗾 No
5a	a) Were reporting	g limits specified or referenced on the c	hain-of-custody?	✓ Yes No
5b	b) Were these re	porting limits met?		✓ Yes No
6		entified in the method-specific analyte	report package, were results reported for lists presented in the Reasonable	Yes No
7	Are project spec	fic matrix spikes and laboratory duplica	ates included with this data set?	Yes No
must l not m	be provided in an a seet the requirement		ne exception of question #7), additional information on #1, #1A, or #1B is "No", the data package does	
and con	belief and bas	ed upon my personal inquiry nalytical report, such informa	enalties of perjury that, to the best of my know of those responsible for providing the information is accurate and complete.  Position: Laboratory Director	•
Pri	nted Name: <u>Da</u>	vid Ditta	Date: <u>11/07/2022</u>	
Nan	me of Laborato	ry: <u>Complete Environmental</u>	Testing, Inc.	

This certification form is to be used for RCP methods only.

#### **RCP Case Narrative**

- 4- See Exceptions Report Below
- 6- Client requested a subset of the RCP 8260 and 8270 lists.
- 7- Project specific QC was not requested by the client.

			4- Exc	ceptions Report		Recovery	Batch/Sequence
Analyte		QC Type	Exception	Result I	RPD	(%)	Sample ID
2-Fluorobipher	nyl	SURR	Low			58.0	2110009-02
2-Fluorobipher	nyl	SURR	Low			60.8	B2K0133-BLK1
			QC Batch/Sequ	ence Report			
Batch	Sequence	CET ID	Sample ID	Specific Metho	d	Matrix	<b>Collection Date</b>
B2K0302		2110009-01	439	СТ-ЕТРН		Drinking Water	11/01/2022
B2K0337		2110009-02	450	СТ-ЕТРН		Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-01	439	EPA 524.2		Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-02	450	EPA 524.2		Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-01	439	EPA 524.2 TIC	s	Drinking Water	11/01/2022
B2K0249	S2K0303	2110009-02	450	EPA 524.2 TIC	S	Drinking Water	11/01/2022
B2K0133	S2K0710	2110009-01	439	EPA 525.3		Drinking Water	11/01/2022
B2K0133	S2K0710	2110009-02	450	EPA 525.3		Drinking Water	11/01/2022

#### CERTIFICATIONS

#### Certified Analyses included in this Report

Benzo[g,h,i]perylene

Analyte	Certifications
CT-ETPH in Water	
ЕТРН	CT,RI
EPA 524.2 in Water	
Methyl-t-Butyl Ether (MTBE)	CT,MA,RI
Benzene	CT,MA,RI
Toluene	CT,MA,RI
Chlorobenzene	CT,MA,RI
Ethylbenzene	CT,MA,RI
m+p Xylenes	CT,MA,RI
o-Xylene	CT,MA,RI
Styrene	CT,MA,RI
Isopropylbenzene	СТ,МА,RI
Bromobenzene	CT,MA,RI
n-Propylbenzene	CT,MA,RI
2-Chlorotoluene	CT,MA,RI
4-Chlorotoluene	CT,MA,RI
1,3,5-Trimethylbenzene	CT,MA,RI
tert-Butylbenzene	CT,MA,RI
1,2,4-Trimethylbenzene	CT,MA,RI
sec-Butylbenzene	CT,MA,RI
1.3-Dichlorobenzene	CT,MA,RI
4-Isopropyltoluene	CT,MA,RI
1,4-Dichlorobenzene	CT,MA,RI
1,2-Dichlorobenzene	CT,MA,RI
n-Butylbenzene	CT,MA,RI
1,2,4-Trichlorobenzene	CT,MA,RI
Hexachlorobutadiene	CT,MA,RI
Naphthalene	CT,MA,RI
1,2,3-Trichlorobenzene	CT,MA,RI
EPA 525.3 in Water	C 1,111 1,112
Naphthalene	CT,RI
Acenaphthylene	CT,RI
Acenaphthene	CT,RI
Fluorene	CT,RI
Phenanthrene	CT,RI
Anthracene	CT,RI
Fluoranthene	CT,RI
Pyrene	CT,RI
Benzo[a]anthracene	CT,RI
Chrysene	CT,RI
Benzo[b]fluoranthene	CT,RI
Benzo[k]fluoranthene	CT,RI
Benzo[a]pyrene	CT,RI
Indeno[1,2,3-cd]pyrene	CT,RI
Dibenz[a,h]anthracene	CT,RI
Dannala h Anamilana	CERT

CT,RI

 $Complete\ Environmental\ Testing\ operates\ under\ the\ following\ certifications\ and\ accreditations:$ 

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2023
Rl	Rhode Island Certification	LAO 00227	12/30/2022

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	lers@cetlabs.com	DW-Drinking Water			-	T-	-	를 를		,	.   3	<u> </u>	Ш	동		- 1		1	2	_	-	1	n				TOTAL # OF CONT.
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(include Units for any sample depths provided)	Date/Time	(Specify)	SS	ž	2	= 8	8	8 8	9 2	8	8 1	되 않	80	5	5 1	2 2	٦	ă	ű.	2	Π,	,	7		1		Į į
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RESTRUMINE (CI-HCI, N-HNO, S-H2SC	, Na-NaOH, C=Cool, O	-Other)								П							-										8
ON AINER TYPE (P-Plastic, G-Glass, V	Vial, OOther)								T				П	П													1
oil VOCs Only MandooH / Ba Sodium	W=Water F= Empty	E≕Encore)					1	1	1	1			1	_				_	_	^				-			
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Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT

Phone: (860) 920-6500 Fax: (860) 920-6718

LABORATORY TEST REPORT

Report To

Mr. Mark A.R. Cooper

Aspectuck Health District 180 BAYBERRY LN WESTPORT, CT 06880

Attention:

JEFFREY ANDREWS

October 14, 2022

RE: Workorder: 1110466

WorkID: 1 CENTER RD 091922

Dear JEFFREY ANDREWS,

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures, except as noted in the report narrative.

If you have any questions concerning this report, please contact Susan Isch at (860)920-6500 or by email at susan isch@ct.gov.

Swante, Con

Susan isch,

Division Director, Environmental Chemistry

This electronic signature is a true representation of my hand written signature



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### FINAL REPORT

Work Order #: 1110466 (1 CENTER RD 091922)

**EnvChem Sample Demographics** 

Street Town State 1 CENTER RD EASTON

CT

Zip Code

06612

Sample	Summary	

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Analytes Reported
1110466001	ASPET6 KITCHEN SINK	Drinking Water	9/19/2022	9/19/2022	18

1110466 - 20501026



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

## FINAL REPORT

Work Order #: 1110466 (1 CENTER RD 091922)

nalytical Results								
			Date Receive	1. 9/1	9/2022 114 70 11	atrix. Dr	nking Water	
Sample ID: ASPETS KITCH Desi:	ENSING 3		Date Collecte	i, 9/1	9/2022 10:50 Calle	ctor. JE	FEREY ANDREWS	
INORGANIC CHEMISTRY — Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
EPA 300.0 (IC))								
Chloride	34	mg/L	2.0	2	9/27/2022 13:47	DM3	9/28/2022 21:25	DM3
Nitrite (as N)	<0.20	mg/L	0.20	1	9/19/2022 15:00	JMG	9/19/2022 17:44	JMG
Nitrate (as N)	7.8	mg/L	0:40	2	9/20/2022 12:19	JMG	9/20/2022 15:03	İMG
· METALS — Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
(EPA 200.8)								
Arsenic	< 0.0030	mg/L	0.0030	4	9/21/2022 10:58	JMG	9/21/2022 12:43	JMG
CT SOP (Odor)) Odor, Intensity	0	N/A		1	9/20/2022 10:52	KZ	9/20/2022 11:41	KZ
Odor, Intensity	0	N/A		1	9/20/2022 10:52	KZ	9/20/2022 11:41	ΚZ
ATTA ATTA A CONTRA								
(EPA 150.1 (PH))		m ) (			0/20/2022 11:20	KG	9/20/2022 14:40	KG
	PR 29.					P(C)	312V12V22 14.40	
pH	7.6	8.0.	0,10	1	9/20/2022 11:30			
pH (EPA 180.1 (Turbidity))	7.6	S.U.	0,10	7	3/20/2022 11.50			
	7.6 <0.30		0,10	1	9/20/2022 10:51	KZ	9/20/2022 11:41	KZ
(EPA 180.1 (Turbidity))							9/20/2022 11:41	
EPA 180.1 (Turbidity)) Turbidity	<0.30	ити	0.30	1	9/20/2022 10:51	KZ		KZ:
EPA 180.1 (Turbidity)) Turbidity	<0.30 86	NTU mg/L	0.30 2.5	1	9/20/2022 10:51	KZ KZ	9/22/2022 12:27	KZ:
EPA 180.1 (Turbidity)) Turbidity (EPA 200.7 (ICP))	<0.30 86 125	MTU mg/L mg/L	0.30 2.5 10	1	9/20/2022 10:51 9/22/2022 10:51 9/22/2022 10:51	KZ KZ KZ	9/22/2022 12:27 9/22/2022 12:27	KZ KZ KZ
EPA 180.1 (Turbidity)) Turbidity (EPA 200.7 (ICP)) Calcium Hardness	<0.30 86 125 35	MTU  mg/L  mg/L  mg/L	0.30 2.5 10 1.0	1	9/20/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51	KZ KZ KZ KZ	9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27	KZ KZ KZ KZ
EPA 180.1 (Turbidity)) Turbidity  EPA 200.7 (ICP)) Calcium Hardness Total Hardness Calcium	<0.30 86 125 35 <0.040	MTU  mg/L  mg/L  mg/L  mg/L	0,30 2.5 10 1.0 0.040	1 1 1 1	9/20/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51	KZ KZ KZ KZ	9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27	KZ KZ KZ KZ
EPA 180.1 (Turbidity)) Turbidity (EPA 200.7 (ICP)) Calcium Hardness Total Hardness	<0.30 86 125 35 <0.040 9.5	MTU  mg/L  mg/L  mg/L  mg/L	0.30 2.5 10 1.0 0.040 1.0	1 1 1 1	9/20/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51	KZ KZ KZ KZ KZ	9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27	KZ KZ KZ KZ KZ KZ
(EPA 180.1 (Turbidity)) Turbidity (EPA 200.7 (ICP)) Calcium Hardness Total Hardness Calcium Iron Magnesium Manganese	<0.30 86 125 35 <0.040 9.5	mg/L mg/L mg/L mg/L mg/L	0.30 2.5 10 1.0 0.040 1.0	1 1 1 1 1 1	9/20/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51	KZ KZ KZ KZ KZ KZ	9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27	KZ KZ KZ KZ KZ KZ KZ KZ
(EPA 180.1 (Turbidity)) Turbidity (EPA 200.7 (ICP)) Calcium Hardness Total Hardness Calcium Iron Magnesium	<0.30 86 125 35 <0.040 9.5	MTU  mg/L  mg/L  mg/L  mg/L	0.30 2.5 10 1.0 0.040 1.0	1 1 1 1	9/20/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51	KZ KZ KZ KZ KZ	9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27	KZ KZ KZ KZ KZ KZ
(EPA 180.1 (Turbidity)) Turbidity (EPA 200.7 (ICP)) Calcium Hardness Total Hardness Calcium Iron Magnesium Manganese	<0.30 86 125 35 <0.040 9.5	mg/L mg/L mg/L mg/L mg/L	0.30 2.5 10 1.0 0.040 1.0	1 1 1 1 1 1	9/20/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51 9/22/2022 10:51	KZ KZ KZ KZ KZ KZ	9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27 9/22/2022 12:27	KZ KZ KZ KZ KZ KZ KZ KZ

1110466 - 20501026

REPORT OF ANALYSIS

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### **FINAL REPORT**

Work Order #: 1110466 (1 CENTER RD 091922)

WET CHEMISTRY-	TT - 11 7 1/1/11 181 1 1 1 1 1 1 1 1 1 1 1 1 1 1	450 200 300 30		3.75				
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
(SM2120 C (Color))								
Color, True	True color is less than or equal to apparent color.	CU	2	1	9/20/2022 11:30	CW	9/20/2022 14:40	ĊΜ
(SM2320 B (Alkalinity))	- •							
Alkalinity	57	mg/L	10	1	9/20/2022 11:30	KG	9/20/2022 14:40	KG
(SM4500-NH3D DW 18th ed.)								
Ammonia (as N)	<0.10	mg/L	0.10	1	10/12/2022 10:27	ΚZ	10/12/2022 12:00	KZ



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### LABORATORY TEST REPORT

Report To Mr. Mark A.R. Cooper

Aspectuck Health District 180 BAYBERRY LN WESTPORT, CT 06880

Attention: J. ANDREWS

September 20, 2022

RE: Workorder: 1110510

WorkID: 1 CENTER RD WATER 091922

Dear J. ANDREWS,

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures.

If you have any questions concerning this report, please contact Kimberly Holmes-Talbot at (860)920-6500 or by email at Kimberly Holmes-Talbot@ct.gov.

Km Halmas Talle

Kimberly Holmes-Talbot, MS

Environmental Microbiology

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SEP 2 1 2022 AHD



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## FINAL REPORT

Work Order #: 1110510 (1 CENTER RD WATER 091922)

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Analytes Reported
1110510001	ASPECT 8	Drinking Water	9/19/2022	9/19/2022	2
Micro-Water Sample					
-Submitter Info	ASPETUCK HEALTH DISTRICT				
Collected By:	J. ANDREWS				
Source:	KITCHEN SINK				
Address:	1 CENTER ROAD				
Name of Utility:	EASTON FIRE HOUSE				
Temp:	6.1 DEG C				
Town:	EASTON				
Container Size:	250mL				
Station #:	ASPECT 8				
Private Well:	Yes (Y)				



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT. Phone: (860) 920-6500 Fax: (860) 920-6718

## FINAL RUPORT

Work Order #: 1110510 (1 CENTER RD WATER 091922)

		/100mL					9/19/2022 14:50	SHW
Total Coliform	ABSENT	/100mL	1	1			9/19/2022 14:50	SHW
Enzyme Substrate Collform To	est)							
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
Environmental Microbiology								
Describit CHENSIN					. Ilainague diff	A Charles		
Sample ID: ASPECTS			Date Collecte	d. 9/1	9/2022 10:50 Co	Hector: J	ANOREVIS	
Lab ID: 1110510001			Date Receive				rinking Water	
and the state of t				en alle and an analysis of the second				
Analytical Results								



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### LABORATORY TEST REPORT

Report To

Mr. Mark A.R. Cooper

Aspectuck Health District 180 BAYBERRY LN

WESTPORT CT 06880

Attention:

Andrews, J

RECEIVED

SEP 29 2027

AHD

September 27, 2022

RE: Workorder: 1110504

WorkID: Easton Fire House 9/19/22

Dear Andrews, J,

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures, except as noted in the report narrative.

If you have any questions concerning this report, please contact Susan Isch at (860)920-6500 or by email at susan isch@ct.gov.

Sume Cax

Susan Isch.

Division Director, Environmental Chemistry

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Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### **FINAL REPORT**

Work Order #: 1110504 (Easton Fire House 9/19/22)

EnvChem Sample Demographics

Property Street

Misc.

Easton Fire House

Town

1 Center Road Easton

State

CT

Zip Code 06612

203-227-9571

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Analytes Reported
1110504001	Aspet 2 Kitchen Sink	Drinking Water	9/19/2022	9/19/2022	1

1110504 - 20414919

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

# FINAL REPORT

Work Order #: 1110504 (Easton Fire House 9/19/22)

Parameter Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
Lab ID: 1118504001 Sample ID: Aspet 2:Kitch Dest: IMIDENTIFIED PETROLEUM	ISCREN							
Sample ID: Aspet 2 Kitch	ien Sink	A Contract	Oale solleste	d: 9/1	9/2022 10:50 Calls	ictor: A	ndrews, J	
Lab ID: 1110504001			Date Receive	d: 9/1	9/2022 14:19	atrix. D	rinking Water	



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### LABORATORY TEST REPORT

RECEIVED

SFP 29 2027

AHD

Report To

Mr. Mark A.R. Cooper

Aspectuck Health District 180 BAYBERRY LN WESTPORT, CT 06880

Attention:

Andrews, J.

September 27, 2022

RE: Workorder: 1110482

WorkID: 1 Center Rd 09/19/22

Dear Andrews, J.,

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures, except as noted in the report narrative.

If you have any questions concerning this report, please contact Susan Isch at (860)920-6500 or by email at susan isch@ct gov.

Sin Ga

Susan Isch.

Division Director, Environmental Chemistry

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Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone; (860) 920-6500 Fax: (860) 920-6718

#### PINAL PEROPE

Work Order #: 1110482 (1 Center Rd 09/19/22)

**EnvChem Sample Demographics** 

Property

Easton Fire House

Street Town 1 Center Rd

State Zip Code Easton

06612

Misc.

(203) 227-9571

Sample Summary

Lab ID Sample ID

Matrix

Date Collected Date / Received /

Analytes Reported

1110482001

Aspet 4 Kitchen Sink

**Drinking Water** 

9/19/2022

9/19/2022

70

1110482 - 20421624

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

# FINAL REPORT

Work Order #: 1110482 (1 Center Rd 09/19/22)

#### **Project Summary**

Workorder Comments

EPA 524.2:

The compounds 4-Bromofluorobenzene(S) and 1,2-Dichlorobenzene-d4(S) are added to samples and blanks by the laboratory as part of our quality control program to ensure the validity of the data.



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

## FINAL REPORT

Work Order #:	1110482(1	Center	Rd 09/19/22)

nalytical Results						 Xaniina				
Lab ID: 1110482001 Sample ID: Aspet 4 Kitchen Si				Date Received: 9/19/2022 14:23. Matrix: Dünking Water Date Collected: 9/19/2022 10:50: Collector: Andrews, J.						
VOCs in DW (Additional)			n ar en de la desta de la colonia de la colo							
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву		
EPA 524.2)					*					
Acetone	<2.0	ug/L	2.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Diethyl Ether	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Carbon Disulfide	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Methyl Ethyl Ketone	<2.0	ug/L	2.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Tetrahydrofuran	<2.0	ug/L	2.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Methyl Isobutyl Ketone	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
VOCs in Drinking Water		<b>*</b>		VV.	ing pagalang pagang br>Pagang pagang pagan	į. į. taitų		r Wyr yr Alfr		
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву		
EPA 524.2)										
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Chloromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Vinyl Chloride	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Bromomethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Chloroethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Trichlorofluoromethane	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
1,1-Dichloroethene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
tert-Butyl Alcohol		ug/L	2.5	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Methylene Chloride	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
trans-1,2-Dichloroethene	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Methyl tert-Butyl Ether	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
1,1-Dichloroethane	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Isopropyl Ether	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
cis-1,2-Dichloroethene	<0.50		0.50	1	9/21/2022 09:57		9/21/2022 15:01	KL2		
Bromochioromethane	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
Chloroform	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		
2,2-Dichloropropane	<0.50		0.50	1	9/21/2022 09:57	KLZ		KL2		
	~0.50			_		KL2	9/21/2022 15:01	KL2		
	AN EO	sim#	0.50	1	MAY 14 / 14 / 14 / 14 / 14 / 14 / 14 / 14					
tert-Butyl Ethyl Ether 1,2-Dichloroethane	<0.50	ug/L ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2		

1110482 - 20421624

REPORT OF ANALYSIS

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### FINAL REPORT

Work Order #: 1110482 (1 Center Rd 09/19/22)

nalytical Results (c	ont.)							
VOCs in Drinking Water								
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
(EPA 524.2)								
1,1-Dichloropropene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Carbon Tetrachloride	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Benzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
tert-Amyl Methyl Ether	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Dibromomethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,2-Dichloropropane	<0.50	ug/L	0.50	1	9/21/2022 09;57	KL2	9/21/2022 15:01	KL2
Trichioroethene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Bromodichioromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Toluene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,3-Dichloropropane	<0:50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Dibromochloromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,2-Dibromoethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Tetrachloroethylene	<0.50	ug/L	0,50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Chlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Ethylbenzene	<0.50	ug/L	0,50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
m- & p-Xylene	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Bromoform	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Styrene	<0.50	ug/L	0,50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
o-Xylene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
isopropylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Bromobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
n-Propylbenzene	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
2-Chiorotoluene	<0,50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
4-Chlorofoluene	<0.50		0:50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,3,5-Trimethylbenzene	<0.50		0,50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
tert-Butylbenzene	<0.50	_	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2

1110482 - 20421624

REPORT OF ANALYSIS

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### FINAL REPORT

Work Order #: 1110482 (1 Center Rd 09/19/22)

nalytical Results (co	nt)							
VÖCs in Drinking Water	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Бу
EPA 524.2)								
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
sec-Butylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1.3-Dichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1_4-Dichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
4-Isopropyltoluene	<0.50	ug/L	0.50	do	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
n-Butylbenzene	<0,50	ug/L	0.50	-1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,2,4-Trichlorobenzene	<0.50		0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Naphthalene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
Hexachlorobuta diene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2
1,2,3-Trichlorobenzene	<0.50		0 50	1	9/21/2022 09:57	KL2	9/21/2022 15:01	KL2

Surrogate(s)						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	
1,2-Dichorobenzene-d4 (S) 4-Bromofluorobenzene (S)	ug/L ug/L	5 5	4.8 4.4	96 89	70 - 130 70 - 130	



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

LABORATORY TEST REPORT



Mr. Mark A.R. Cooper

Aspectuck Health District 180 BAYBERRY LN WESTPORT, CT 06880

Attention:

**JEFFREY ANDREWS** 

October 14, 2022

RE: Workorder: 1110465

WorkID: 448 SPORT HILL RD 091922

Dear JEFFREY ANDREWS,

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures, except as noted in the report narrative.

If you have any questions concerning this report, please contact Susan isch at (860)920-8500 or by email at susan isch@ct.gov.

Sunt. O.s.

Susan Isch.

Division Director, Environmental Chemistry

This electronic signature is a true representation of my hand written signature

RECEIVED OCT 142022 AHD

1110465 - 20501023

Connecticut Registration No . PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### FINAL REPORT

Work Order #: 1110465 (448 SPORT HILL RD 091922)

**EnvChem Sample Demographics** 

Street Town

State

Zip Code

448 SPORT HILL RD

EASTON CT

06612

## Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Analytes Reported
1110465001	ASPETS EASTON EMS KITCHEN SINK	Drinking Water	9/19/2022	9/19/2022	19

1110465 - 20501023

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone. (860) 920-6500 Fax: (860) 920-6718

# FINAL REPORT

Work Order # 1110465 (448 SPORT HILL RD 091922)

Analytical Results										
Law ID: 1119465001 Sample ID: ASPETS EASTD SINK	N ENSKITCHEN		Date Received: 9/19/2022 14:20 Matrix: Dünking Water: Date Collected: 9/19/2022 10:32 Collector: JEFFREY ANDREWS							
Desc: INORGANIC CHEMISTRY					and the state of the second					
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву		
(EPA 300.0 (IC))										
Chloride	131	mg/L	20	20	9/27/2022 13:47	DM3	9/28/2022 19:43	DM3		
Nitrite (as N)	<0.20		0.20	1	9/19/2022 15:00	JMG	9/19/2022 16:02	JMG		
Nitrate (as N)	0.30	mg/L	0.20	1	9/19/2022 15:00	JMG	9/19/2022 16:02	JMG		
-METALS -				essense ed en		ingsperen Tale of the	an Tagan sa again an again. An Tagan sa Casan Shakarin	alon e principalità		
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву		
(EPA 200.8) Arsenic	<0.0030	mg/L	0.0030	1	9/21/2022 10:58	JMG	9/21/2022 12:40	JMG		
WET CHEMISTRY- Parameter (CT SOP (Odor))	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву		
Odor, Description	Disagreeable	N/Δ		1	9/20/2022 10:52	KZ	9/20/2022 11:41	KZ		
Odor, Intensity		N/A		1	9/20/2022 10:52	KZ	9/20/2022 11:41	KZ		
(EPA 150.1 (PH))										
рН	7,3.	S.U.	0.10	1	9/20/2022 11:30	KG	9/20/2022 14:02	KG		
(EPA 180.1 (Turbidity))										
Turbidity	2,3	NTU	0.30	1	9/20/2022 10:51	KZ	9/20/2022 11:41	KZ		
EPA 200 7 (ICP))										
Calcium Hardness	126	mg/L	2.5	1	9/22/2022 10:51	KZ	9/22/2022 12:17	KZ		
Total Hardness	216	mg/L	10	1	9/22/2022 10:51	KZ	9/22/2022 12:17	KZ		
Calcium	50	mg/L	1.0	1	9/22/2022 10:51	ΚZ	9/22/2022 12:17	KZ		
Iron	0.18	mg/L	0.040	1	9/22/2022 10:51	KZ	9/22/2022 12:17	KZ		
Magnesium	22	mg/L	1.0	1	9/22/2022 10:51	KZ	9/22/2022 12:17	KZ		
Manganese	0.11	mg/L	0.040	1	9/22/2022 10:51	ΚZ	9/22/2022 12:17	KZ		
Sodium	33	mg/L	1.0	1	9/22/2022 10:51	KZ	9/22/2022 12:17	KZ		

1110465 - 20501023

REPORT OF ANALYSIS

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

## FINAL REPORT

Work Order #: 1110465 (448 SPORT HILL RD 091922)

WET CHEMISTRY-								
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	By-
(SM2120 C (Color))								
Color, Apparent	4	CU	2	1	9/20/2022 11:30	KG	9/20/2022 14:03	KG
Color, True	True color is less than or equal to apparent color.	CU	2	1	9/20/2022 11:30	CW	9/20/2022 14:03	CW
(SM2320 B (Alkalinity))								
Alkalinity	79.	mg/L	10	1	9/20/2022 11:30	KG	9/20/2022 14:02	KG
(SM4500-NH3D DW 18th ed.)								
Ammonia (as N)	<0.10	mg/L	0,10	1	10/12/2022 10:27	KZ	10/12/2022 12:00	KZ



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### LABORATORY TEST REPORT

Report To Mr. Mark A.R. Cooper

Aspectuck Health District 180 BAYBERRY LN WESTPORT, CT 06880

Attention: J. ANDREWS

September 20, 2022

RE: Workorder: 1110512

WorkID: 448 SPORT HILL RD WATER 091922

Dear J. ANDREWS,

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures.

If you have any questions concerning this report, please contact Kimberly Holmes-Talbot at (860)920-6500 or by email at Kimberly Holmes-Talbot@ct.gov.

Kim Halmas Talket

Kimberly Holmes-Talbot, MS Environmental Microbiology

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SEP 2 1 2022



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### **FINAL REPORT**

Work Order#: 11	10512 (448 SPORT HILL RD WATER 0915	)22)		· · · · · · · · · · · · · · · · · · ·	g., 1 mg - 10 mg - 12 h 1 mg -
	Samp	le Summary			
Lab ID	Sample ID	Matrix	Date Collected	Date Received	Analytes Reported
1110512001	ASPECT 7	Drinking Water	9/19/2022	9/19/2022	2
Micro-Water Sample -	ASPETUCK HEALTH DISTRICT				
Collected By:	J. ANDREWS	:			
Source:	KITCHEN SINK	1			
Address	447 SPORT HILL ROAD				
Name of Utility:	TOWN OF EASTON EMS	4			
Temp	5.1 DEG C	4			
. Town:	EASTON	3			
Container Size:	250mL	*			
Station #:	ASPECT 7	ţ.			
Private Well:	Yes (Y)				



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

# FINAL REPORT

Work Order #: 1110512 (448 SPORT HILL RD WATER 091922)

nalytical Results								
THE COURT OF PURITY			Date Receive	d: 9/4	V2022 14 21	Matrix: 0	rinking Water	
Sample ID: ASPECT7  Desc: KITCHEN SINK	o provede de la		Date Collecte	<b>a</b> : 9/1	1/2022 10.32 G	llector. J	ANDREWS	
Environmental Microbiology—			i Program griff W					
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
Enzyme Substrate Coliform Test)								
Total Coliform	ABSENT	/100mL	1	1			9/19/2022 14:50	SHW
E. colí	ABSENT	/100mL	1	1			9/19/2022 14:50	SHW



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### LABORATORY TEST REPORT

Report To

Mr. Mark A.R. Cooper

Aspectuck Health District

180 BAYBERRY LN

WESTPORT, CT 06880

Attention:

Andrews, J

September 27, 2022

RE: Workorder: 1110503

WorkID: Easton EMS 9/19/22

Dear Andrews, J.

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures, except as noted in the report narrative.

If you have any questions concerning this report, please contact Susan isch at (860)920-6500 or by email at susan isch@ct.gov.

Susante Gas

Susan Isch,

Division Director, Environmental Chemistry

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1110503 - 20414912

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SEP 29 2022

AHD



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone (860) 920-6500 Fax: (860) 920-6718

## FINAL REPORT

Work Order #: 1110503 (Easton EMS 9/19/22)

EnvChem Sample Demographics
Property

Easton EMS

Street

448 Sport Hill Road

Town

Easton

State

CT

Zip Code Misc. 06612 203-277-9571

# Sample Summary

Lab ID	-	Sample ID	Matrix	Date Collected	Date Received	Analytes Reported
1110503001		Aspet 1 Kitchen Sink	Drinking Water	9/19/2022	9/19/2022	1



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone. (860) 920-6500 Fax. (860) 920-6718

# FINALREPORT

Work Order # 1110503 (Easton EMS 9/19/22)

Analytical Results								
Lab ID: 1110503001			Date Receive	id; 8/1	9/2022 14:21 M	atrix: C	nnking Water	4,654000
Sample ID: Aspet 1 Kito	hen Sink		Date Collecte	d: 9/1	9/2022 10 32 Calls	ector: A	ndrews, J	
Desc:								
UNIDENTIFIED PETROLEU	M SCREEN							
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
(EPA 3520/CT ETPH)								
ЕТРН	<24	0 ug/L	240	1	9/21/2022 08:07	MR	9/21/2022 16:05	MR



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### LABORATORY TEST REPORT

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Report To

Mr. Mark A.R. Gooper

Aspectuck Health District 180 BAYBERRY LN WESTPORT, CT 06880

Attention:

Andrews, J.

September 27, 2022

RE: Workorder: 1110481

WorkID: 448 Sport Hill Rd 09/19/22

Dear Andrews, J.,

Enclosed are the analytical results for sample(s) received by the laboratory Monday, September 19, 2022. The signature on this report indicates the samples were analyzed according to the laboratory's standard operating procedures, except as noted in the report narrative.

If you have any questions concerning this report, please contact Susan Isch at (860)920-6500 or by email at susan isch@ct.gov

Sur Que

Susan Isch,

Division Director, Environmental Chemistry

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Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

## PINAL REPORT

Work Order #: 1110481 (448 Sport Hill Rd 09/19/22)

**EnvChem Sample Demographics** 

Property Street

Easton EMS

Town State 448 Sport Hill Rd Easton

CT Zip Code

Misc.

06612 (203) 227-9571

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Analytes Reported
1110481001	Aspet 3 Kitchen Sink	Drinking Water	9/19/2022	9/19/2022	70



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### FINAL REPORT

Work Order #: 1110481 (448 Sport Hill Rd 09/19/22)

#### Project Summary

Workorder Comments:

EPA 524.2:

The compounds 4-Bromofluorobenzene(S) and 1,2-Dichlorobenzene-d4(S) are added to samples and blanks by the laboratory

as part of our quality control program to ensure the validity of the data.

1110481 - 20421589



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

#### FINAL REPORT

Work Order # 1110481 (448 Sport Hill Rd 09/19/22)

inalytical Results						ALAYX NXX		
Lab ID: 1110461001 Sample IB: Aspat 3 Kitchen Desc:			a mara di		9/2022 14:22 M 9/2022 10:32 Calls			
VOCs in DW (Additional)	der Materials				Apple of the second second			
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
(EPA 524.2)								
Acetone	<2.0	ug/L	2.0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Diethyl Ether	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Carbon Disulfide	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Methyl Ethyl Ketone	<2.0	ug/L	2.0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Tetrahydrofuran	<2.0	ug/L	2.0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Methyl Isobutyl Ketone	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
VOCs in Drinking Water Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
EPA 524.2)								
Dichlorodifluoromethane	0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Chloromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Vinyl Chloride	<0.50	uġ/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Bromomethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Chloroethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
						KL2	9/21/2022 14:38	KL2
Trichlorofluoromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	NLZ.	47 40 17 40 40 40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	<0.50 <0.50	ug/L ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,1-Dichloroethene	<0.50							
1,1-Dichloroethene tert-Butyl Alcohol	<0.50	ug/L ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,1-Dichloroethenë tert-Butyl Alcohol Methylene Chloride	<0.50 <2.5	ug/L ug/L ug/L	0.50 2.5	1	9/21/2022 09:57 9/21/2022 09:57	KL2 KL2	9/21/2022 14:38 9/21/2022 14:38	KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene	<0.50 <2.5 <0.50	ug/L ug/L ug/L ug/L	0.50 2.5 0.50	1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2 KL2 KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether	<0.50 <2.5 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50	1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2 KL2 KL2 KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane	<0.50 <2.5 <0.50 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50 0.50	1 1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2 KL2 KL2 KL2 KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2 KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane Isopropyl Ether	<0.50 <2.5 <0.50 <0.50 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50 0.50 0.50	1 1 1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2 KL2 KL2 KL2 KL2 KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2 KL2 KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane Isopropyl Ether cis-1,2-Dichloroethene	<0.50 <2.5 <0.50 <0.50 <0.50 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50 0.50 0.50 0.50	1 1 1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2 KL2 KL2 KL2 KL2 KL2 KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2
Trichlorofluoromethane  1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane Isopropyl Ether cis-1,2-Dichloroethene Bromochloromethane Chloroform	<0.50 <2.5 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50 0.50 0.50 0.50	1 1 1 1 1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane Isopropyl Ether cis-1,2-Dichloroethene Bromochloromethane Chloroform	<0.50 <2.5 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50 0.50 0.50 0.50 0.50	1 1 1 1 1 1 1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane Isopropyl Ether cis-1,2-Dichloroethene Bromochloromethane	<0.50 <2.5 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50 0.50 0.50 0.50 0.50 0	1 1 1 1 1 1	9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57 9/21/2022 09:57	KL2	9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38 9/21/2022 14:38	KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2 KL2
1,1-Dichloroethene tert-Butyl Alcohol Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane Isopropyl Ether cis-1,2-Dichloroethene Bromochloromethane Chloroform 2,2-Dichloropropane	<0.50 <2.5 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.50 2.5 0.50 0.50 0.50 0.50 0.50 0.50 0	1 1 1 1 1 1 1 1 1	9/21/2022 09:57 9/21/2022 09:57	KL2	9/21/2022 14:38 9/21/2022 14:38	KL2

1110481 - 20421589

REPORT OF ANALYSIS

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

# FINAL REPORT

Work Order #: 1110481 (448 Sport Hill Rd 09/19/22)

nalytical Results (co	ont.)							
VOCs in Drinking Water								
Parameter	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
EPA 524.2)								
1,1-Dichloropropene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Carbon Tetrachloride	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Benzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
tert-Amyl Methyl Ether	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Dibromomethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,2-Dichloropropane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Trichloroetherie	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Bromodichioromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
rans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Toluene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,3-Dichloropropane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Dibromochloromethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,2-Dibromoethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
letrachloroethylene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Chlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Ethylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
n- & p-Xylene	<1.0	ug/L	1.0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
3romoform	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Styrene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,1,2,2-Tetrachloroethane	<0,50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
-Xylene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
sopropylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
3romobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
ı-Propylbenzene	<0.50	ug/L	0,50	1	9/21/2022 09:57	KL2	9/21/2022 14 38	KL2
2-Chlorotoluene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
-Chlorotoluene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
,3,5-Trimethylbenzene	<0.50	ug/L	0.50	4	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
** · ·							9/21/2022 14:38	KL2

1110481 - 20421589

REPORT OF ANALYSIS

Connecticut Registration No : PH-0905 EPA Certificate No. 2010CT01



Dr. Katherine A. Kelley State Public Health Laboratory 395 West Street, Rocky Hill, CT Phone: (860) 920-6500 Fax: (860) 920-6718

## F(NAL-REPORT

Work Order #: 1110481 (446 Sport Hill Rd 09/19/22)

nalytical Results (co								
VOCs in Drinking Water	Results	Units	Report Limit	DF	Prepared	Ву	Analyzed	Ву
(EPA 524.2)								
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
sec-Butylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
4-Isopropyltoluene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
n-Butylbenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	1,0	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Naphthalene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
Hexachlorobutadiene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	9/21/2022 09:57	KL2	9/21/2022 14:38	KL2

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	
1,2-Dichorobenzene-d4 (S)	ug/L	5	4.8	96	70 - 130	
4-Bromofluorobenzene (S)	ug/L	5	4.7	94	70 - 130	



#### 3 Research Drive - Woodbridge, CT 06525 Water Analysis Report

TO: MONTGOMERY, STEVEN

TEST ID: A072522010 DATE SAMPLED: 7/25/2022

SAMPLE POINT: HOLDING TANK

NO TREATMENT

SAMPLED BY: GREGG PAULY - AQUATEK LABS

#### PROPERTY LOCATION: 25 OLD OAK ROAD - EASTON, CT

OLATILE ORGANIC COMPOUNDS	RESULT	UNITS	LIMIT	S	MRL	REF	METHO
1,1,1,2-Tetrachloroethane	ND	ug/L	NONE	-	0.50		EPA 524
1,1,1-Trichloroethane	ND	ug/L	200	P	0.50		EPA 524
1,1,2,2-Tetrachloroethane	ND	ug/L	NONE	-	0.50		EPA 524
1,1,2-Trichloroethane	ND	ug/L	5	Р	0.50		EPA 524
1,1-Dichloroethane	ND	ug/L	NONE	-	0.50		EPA 524
1,1-Dichloroethene	ND	ug/L	7	Р	0.50		EPA 524
1,1-Dichloropropene	ND	ug/L	NONE	-	0.50		EPA 52
1,2,3-Trichlorobenzene	ND	ug/L	NONE	- 1	0.50		EPA 52
1,2,3-Trichloropropane	ND	ug/L	NONE	-	0.50		EPA 52
1,2,4-Trichlorobenzene	ND	ug/L	70	Р	0.50		EPA 52
1,2,4-Trimethylbenzene	ND	ug/L	NONE	-	0.50		EPA 52
1,2-Dichlorobenzene	ND	ug/L	600	Р	0.50		EPA 52
1,2-Dichloroethane (EDC)	ND	ug/L	5	Р	0.50		EPA 52
1,2-Dichloropropane	ND	ug/L	5	Р	0.50		EPA 52
1,3,5-Trimethylbenzene	ND	ug/L	NONE	-	0.50		EPA 52
1,3-Dichlorobenzene	ND	ug/L	NONE	-	0.50		EPA 52
1,4-Dichlorobenzene	ND	ug/L	75	Р	0.50		EPA 52
2,2-Dichloropropane	ND	ug/L	NONE		0.50		EPA 52
2-Chlorotoluene	ND	ug/L	NONE	-	0.50		EPA 52
4-Chlorotoluene	ND	ug/L	NONE		0.50		EPA 52
Benzene	ND	ug/L	5	Р	0.50		EPA 52
Bromobenzene	ND	ug/L	NONE	-	0.50		EPA 52
Bromochloromethane	ND	ug/L	NONE	-	0.50		EPA 52
Bromodichloromethane	ND	ug/L	NONE		0.50		EPA 52
Bromoform	ND	ug/L	NONE	-	0.50		EPA 52
Bromomethane	ND	ug/L	NONE	_	0.50		EPA 52
Carbon tetrachloride	ND	ug/L	5	Р	0.50		EPA 52
Chlorobenzene	ND	ug/L	100	P	0.50		EPA 52
Chloroethane	ND	ug/L	NONE	-	0.50		EPA 52
Chloroform	ND	ug/L	NONE	-	0.50		EPA 52
Chloromethane	ND	ug/L	NONE	_	0.50		EPA 52
cis-1,2-Dichloroethene	ND	ug/L	70	P	0.50		EPA 52
cis-1,3-Dichloropropane	ND	ug/L	NONE	_	0.40		EPA 52
Dibromochloromethane	ND	ug/L	NONE	-	0.50		EPA 52
Dibromomethane	ND	ug/L	NONE	-	0.50		EPA 52
Dichlorodifluoromethane	ND	ug/L	NONE	_	0.50		EPA 52
Ethylbenzene	ND	ug/L	700	Р	0.50		EPA 52
Hexachlorobutadiene	ND	ug/L	NONE		0.50		EPA 52
Isopropylbenzene	ND	ug/L	NONE	-	0.50		EPA 52
m&p-Xylene	ND	ug/L	NONE		0.5		EPA 52

Methylene chloride	ND	ug/L	5	Р	0.50	EPA 524.2
Methyl-t-butyl ether (MTBE)	ND	ug/L	NONE	-	0.50	EPA 524.2
Naphthalene	ND	ug/L	NONE	-	0.50	EPA 524.2
n-Butylbenzene	ND	ug/L	NONE	-	0.50	EPA 524.2
n-Propylbenzene	ND	ug/L	NONE	-	0.50	EPA 524.2
o-Xylene	ND	ug/L	NONE	-	0.50	EPA 524.2
p-Isopropyltoluene	ND	ug/L	NONE	-	0.50	EPA 524.2
sec-Butylbenzene	ND	ug/L	NONE		0.50	EPA 524.2
Styrene	ND	ug/L	100	P	0.50	EPA 524.2
tert-Butylbenzene	ND	ug/L	NONE	-	0.50	EPA 524.2
Tetrachloroethene	ND	ug/L	5	Р	0.50	EPA 524.2
Toluene	ND	ug/L	1000	Р	0.50	EPA 524.2
Total Trihalomethanes	ND	ug/L	80	Р	0.50	EPA 524.2
Total Xylenes	ND	ug/L	10000	Р	0.5	EPA 524.2
trans-1,2-Dichloroethene	ND	ug/L	100	Р	0.50	EPA 524.2
trans-1,3-Dichloropropene	ND	ug/L	NONE	-	0.40	EPA 524.2
Trichloroethene	ND	ug/L	5	Р	0.50	EPA 524.2
Trichlorofluoromethane	ND	ug/L	NONE	-	0.50	EPA 524.2
Vinyl chloride	ND	ug/L	2	Р	0.50	EPA 524.2

CONCLUSION: Based on the above results, this water was safe for drinking purposes at the time of collection.

P = Primary limit, used to judge potability

S = Secondary limit, recommended but not required

MRL = Minimum Reportable Level

\* Limit exceeded

ND = None Detected

CT License #PH-0466, Aquatek Labs

R = Reference Lab Work

Austin Xu Ph.D. Laboratory Director

Rachel Kolva Laboratory Co-Director



Permit 1/950

# STATE OF CONNECTICUT DEPARTMENT OF CONSUMER PROTECTION REAL ESTATE & PROFESSIONAL TRADES DIVISION WELL DRILLING COMPLETION REPORT

Do NOT fill in STATE WELL NO.

OTHER NO.

165 Capitol Avenue, Hartford, Connecticut 06106

OWNER	NAME			ADDRESS			
	FRA	NR WS	57	EA STON			10000000000000000000000000000000000000
LOCATION	(No 8	Street)	(Town)				
OF WELL	450	SPURT	1.1 . 4 .	(Lot Number)			37/52
		STORY	#/22	FASTON			
PROPOSED	DOME	1	NESS	FARM	TEST		-1970
USE OF WELL	- C	L ESTA	BLISHMENT		WELL		
OOL OF WELL	PUBL	IC INDI	STRIAL	AIR	1		
DDULINA	SUPP	LY L	- · · · · · ·	CONDITIONING	OTHER (Specify)		
DRILLING EQUIPMENT	ROTA		PRESSED	CABLE	OTHER		V.SIANE
rdoll MEN I	لسبا	L AIR P	ERCUSSION	PERCUSSION	(Specify)		
CASING	LENGTH (feet)	DIAMETER (inches)	WEIGHT PER FOO	7 1			- 2.5
DETAILS	35	6	19		EDED /		WAS CASING GROUTED?
YIELD TEST	G BAILED	PUMPED C			YES YES	D NO.	YES NO
		1.000	COMPRESSED A	IR HOURS		YIELD (GPM)	DAY COURSE
WATER	MEASURE COOKE					20	+
LEVEL	MEASURE FROM D	ND SURFACE - STATIC (Spe	cify feet) DUR	ING YIELD TEST (feet)	Depth of 0	ompleted Well in	1 feet
	J. 17		- 1			190	
COMMUNI	MAKE						OCU - CO
SCREEN						CENGINO	PEN TO AQUIFER (feet)
DETAILS	SLOT SIZE	DIAMETER (inches)	IF GRAVEL	Diameter of well G	DANEL OUTE C		
			PACKED:	including gravel pack	RAVEL SIZE (inches)	FROM (fe	eet) TO (feet)
DEPTH FROM LAN	ID TO SURFACE	FORMATION DES		(inches)		1	
FEET TO		LOKWATION DESI	CRIPTION	Sketch exact location	of well with distance	es, to at least ty	MO
reel 10	reel			permanent landmarks			
0	18	1100	774 I				120 pm
	10	Shale	PAN				
18	30	01		well			
10	90	shale		m d	and a section of the	No. Symmet 18p	
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lf vield wae	tested at different de	epths during drilling, list be					n.
FEET	Taron or americal de	GALLONS PER M					
	18.	GALLONS PER M	INUIE				
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190		30+			TC	WN OF	EASTON
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DATE WELL COMPLET	ED PERM	IT NO. REGIS	TRATION NO.	DATE OF SECOND			
4-22	ed 928	236 8		DATE OF REPORT	/ \ A	WELL DRILLER (S	
1 1	1 003	0	<u> </u>	7-6-09	( ) role	- Idro	ra-j
					71		

#### WELL COMPLETION REPORT

CPR-9 BEV 9.79

# DEPARTMENT OF CONSUMER PROTECTION WELL DRILLING BOARD

28 GRAND STREET HARTFORD, CONNECTIOUT 06106

	Do	NOT	fill in	
STATE	WELL NO			
77. 67				

OTHER NO.

OWNER	R NAME	ul Go	ulo		ADDRESS 47	4.	n. 0.			
LOCATIO OF WEL	M	250	(No. & Street)	ROAD	1 110-10		(Town)	EASTO,		Number)
PROPOSE USE OF		DOMESTIC	BUSINESS ESTABLISHMEN		T FAR		Astoni	TEST WELL		
WELL		PUBLIC SUPPLY	INDUSTRIAL		AIR GD	NDITIONIN	6	OTHER (Specify)		
DRILLING	NT   I	ROTARY	COMPRESSED AIR PERCUSSION	ON	CAL PER	LE CLÍSSION		OTHER (Specify)		
CASING DETAILS		20	DIAMETER (inches)	WEIGHT PER FCX	THR	EADED	WELDED .	DRIVE SHOE N	WAS CASING	GROUTEDT
YIELD TESY	IX.	AILEO	PUMPED	COMPRESS	ED AIR		HOURS 4		YIELD (G.P.M.	
WATER	MEASU	PE FROM LAND S	SURFACE STATIC (Specif	fy feet) DURIN	G YIELD TES	(feet)		Depth of Completed in feet below Land s	Well	177-
SCREEN		MA	KE.					The state of the state of	The state of the s	170 I TO AQUIFER (Feet)
DETAILS	SOTS	Zt.	DIAMETER (inches)	IF GRAVEL PACKED:	Diom	eter of we	ill including	GRAVEL SIZE (inches)	FROM (feet)	TO (fee)
STATE OF THE PARTY OF	AND SURFACE		FORMATION DESCR	IPTION			Sketch exact two perinary	l location of well with cent landmarks	distances, to a	least
O	12	SAN	10. a GrAVI	el .						
12	20	Gre								
20	170	tı	la la							
							DL	D OAK 8	<b>D</b>	
									300	7
								S40-1	6	5
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							Lo.	4		1
							House	TO OIL		1 29
	If yield was to	sted of different	depths during drilling.	list below						CR
	FEET		OF THE PARTY AND	ER MINUTE						
	2-0		3					& wen		
1	70.		15							
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UG 10		ERMIT NO.	6 REGISTRA	TION NO.	DATE OF RE	PORT.	YELL DRILLE	and Ju	allo V	
A second		Torillo a Torin			10 17	TAKE A	Low Constitution	1/1	me p	

# TOWN OF EASTON - HEALTH DEPARTMENT

As-Built Plan
PAUL GOYLD

NOV 7 1983

Permit # 388.7

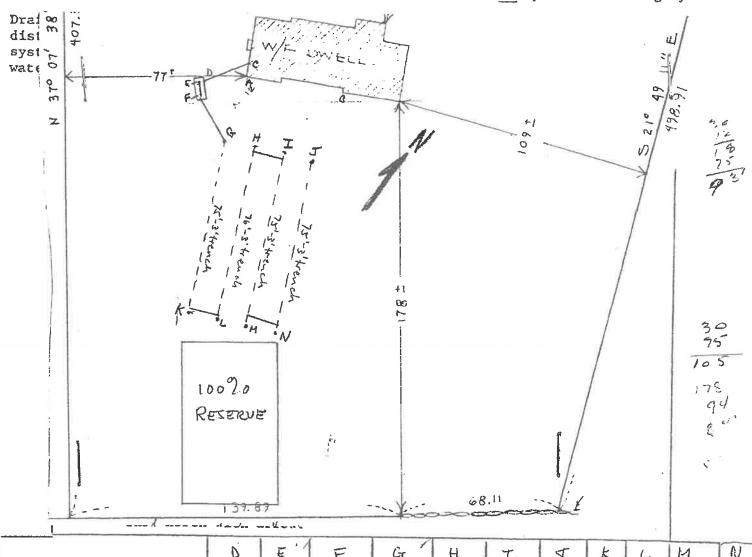
Town EASTON

Date 11-3-83

Location 25 OLD OAK ROAD BUILDING DEPT.

House or Lot # Street

New Septic System
Repair of Existing System



	1		/								
Point	<b>0</b> <b>#</b> 1	#2	F '#3	Gr #4	H #5 ·	I. #6	√ #7	た #8	L. #9	M #10	N
Distance from corner "A"	17.4	19-8	20-9	30-0	30-6	36-10	46-11	164.7	10 f 10	107-0	113.
Distance from corner "B"	59-2		60-8								1-
Distance from corner "C"											

#### WELL COMPLETION REPORT

CPR-9 REV. 11-82

#### STATE OF CONNECTICUT DEPARTMENT OF CONSUMER PROTECTION **WELL DRILLING BOARD**

165 CAPITOL AVE.

HARTFORD, CONNECTICUT 06106

Do NOT fill in STATE WELL NO

OTHER NO

Average	NAME				ADDRESS	5	.*9		#£. /	31.31
OWNER	EA.	Tow You	LFRE	シケー	y Manager -	41-1-1	(KOM )	EA: Tim	530.	
OF WELL		nter		6.057			(Town)	1	(Lot h	vumber)
PROPOSED		MESTIC	BUSINESS ESTABLISHA		[]	FARM	U:	TEST WELL		
WELL		BLIC PPLY	INDUSTRIAL			AIR CONDITION	ING	OTHER (Specify)	Re H	Onie
DRILLING EQUIPMENT	RO	TARY	COMPRESSE AIR PERCUS			CABLE PERCUSSION		OTHER (Specify)		
CASING DETAILS	LENGTH (	feet)	DIAMETER (inches)	WEIGHT PER FOO	4 1 1	THREADED	MELDED	DRIVE SHOE YES NO.	WAS CASING YES	GROUTED?
YIELD	₩ BA		PUMPED	COMPRESS	SED AIR		HOURS	i	YIELD (GPM)	5
WATER LEVEL	MEASURE	FROM LAND S	URFACE-STATIC (Spe	ecify feet) DURI	NG YIELD	TEST (feet)	-1.	Depth of Completed V in feet below Land su	lall .	50
		MAI	KE						LENGTH OPEN	TO AQUIFER (feet)
SCHEEN DETAILS	SLOT SIZE	E	DIAMETER (inches)	IF GRAVEL		iameter of	well including	GRAVEL SIZE (inches)	FROM (feel)	TO (feel
DEPTH FROM LAN	D SURFACE	<u> </u>			1 3	- pack		t location of well with	diament at the	
PEET TO F			FORMATION DES	CRIPTION				nent landmarks.	risicutés, ió di	leasi
-	7 -	Virt								
- 17	1	Pri s								
16		1-11	Imp August	1						
77		1	k S							
	1		- 10 1-				Cim	t r (201	>	
100	51	. 7	1 [ 2							
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								this case	and the same	
		·					4			
								The state of the s		
- H-	yield was te FEET	sted at differen	t depths during drill	ing, list below NS PER MINUTE				9		
			0.450	ino reis manaja						Le f
24. 5							- T	O was a		
DATE WELL COMP		PERMIT NO.	REGI	STRATION NO.	DATE C	OF REPORT	WELL DRIL	LER (Signature)	-rejersyn f	
11-1-	1		1/		100	1.9			THE	

# CONSUMER PROTECTION THE DRILLING BOARD OPAGE REV. 11-82

# STATE OF CONNECTICUTY DEPARTMENT OF CONSUMER PROTECTION WELL DRILLING PERMIT

PERANT NUMBER

165 CAPITOL AVE , HARTFORD, CONNECTICUT 06106

PROPOSED DOMESTIC USE OF WELL SUPPLY	GTHER (Specify)  BUSINESS ESTABLISHMENT  INDUSTRIAL	FARM  AIR  CONDITIONING	TEST WELL OTHER Specifyl	Est. No. "eff People being served.
Location of Ris to an leager  Center Po  Fire House	I with respect to at least two roads, two reads	The state of the s	ion and front of fall location on for and to house	101
APPROVED  APPROVED  REJECTED  REJECTED	of the well o "Well Completed	in the Board and the Wares Rigned by the Director of Health  Jew H. II R.	esources-Commission on the	required under Section reform provided by the REGISTRATION NO. 130



# STATE OF CONNECTICUT DEPARTMENT OF CONSUMER PROTECTION HEAL ESTATE 4 PROFESSIONAL TRADES DIVISION WELL DRILLING COMPLETION REPORT

450 Columbus Ried., Suits 801, Hartford, CT 00103

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OTHER DIAM

PROPOSIZO  PROPOSIZO  PROPOSIZO  POSIZO  POSIZ	OF WELL	25 01	1 Oak Pa	5. 4	2.00	Many	
PROPOSITION USE OF WELL  PROJECT CONTINUES  DIFFLORD  DI	OWNER	Pater	CLC	202130	ALCHES :		
DOTALING LOCATION LOCATION DETAILS DET		X 0000	us D	STABLISHMENT		- week	
DETAILS AS TOWN PROPER TOWN THE PROPERTY OF TH		The second second	ARY C	OMPRESSED R PERCUSSION	CABLE	(Specify)	
WATER SEASON FROM THE PLANT CONTRIBUTION OF	DETAILS	25		PENDITIFH FOOT	NO DERENCED	Terren I C	
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# APPENDIX B PHOTOGRAPHIC DOCUMENTATION

# 440 SPORT HILL ROAD EASTON, CONNECTICUT









MW-1

# APPENDIX C TEST BORING LOGS

## AER/ADVANCED ENVIRONMENTAL REDEVELOPMENT, LLC

900 Madison Avenue, Room 213, Bridgeport, CT 06606

tel: 203-333-2767 fax: 203-333-4770

#### TEST BORING AND MONITOR WELL LOG

MW-1

Location: 440 Sport Hill Road, Easton, Connecticut

Sheet 1 of 1

Well diameter: 2"

Well materials: PVC

File number: 965

Contractor: Hardiman, HSA, Air Hammer

Boring logged by: CJK

						Y	
D e p t	No.	pen./rec. in inches	depth in feet	blows	PID	Sample Description	Stratum Description
0		24/24	0-2			0-6" asphalt; Brown fine to coarse sand and gravel, some silt	Sand and gravel
2			апсиничения				
5	. прументи	24/10	5-7	46/100-3"	6. Minimummum	Brown fine to coarse sand and gravel, some cobbles and silt	*
10		24/6	10-12	100-3"	p an ann ann ann an an an an an an an an	Brown fine to coarse sand and gravel with cobbles; refusal on bedrock ±10'	Bedrock
15	C PRESENTAL PROPERTY.			овиния подочник папачана под может			
20		s, included the constitution and the state of	COMPANY MENTAL PRINCIPAL P	MINOR DE LA CONTRACTOR DE			
25						EOB ± 24'	
30		***************************************	<b>.</b> минициориянолиния	and the second s	на смынашиновечан	14	
35			ж мынгон пожилов (1891) ж мынгон пожилов (1891)		an ann an Aireann an A		
ынышч				я тистэй (вализания) положожнай има	п		

NOTES:

Screen set: 14-24'

Approximate depth to water: dry at time of drilling

Bentonite Seal: 2-3'

#### AER/ADVANCED ENVIRONMENTAL REDEVELOPMENT, LLC

900 Madison Avenue, Room 213, Bridgeport, CT 06606

tel: 203-333-2767 fax: 203-333-4770

#### TEST BORING AND MONITOR WELL LOG

Dat	e: 10	/4/22					MW-2				
Loc	ation	: 440 Spor	t Hill Ro	ad, Easton, Co	nnectic	ut	Sheet 1 of 1				
We	ll dia	meter: 2"		Well material	s: PVC		File number: 965				
Con	Contractor: Hardiman, HSA, Air Hammer										
Bor	ing l	ogged by:	CJK								
D e p t	No.	pen./rec. in inches	depth in feet	blows	PID	Sample Description	Stratum Description				
0		24/20	0-2			0-6" asphalt; Brown fine to coarse sand and gravel, some silt	Sand and gravel				
2	elmint)(Özenti	460400000000000000000000000000000000000	минизинично	AND THE PROPERTY OF THE PROPER							
5	***************************************	24/18	5-7	3/4/35/80		Brown fine to coarse sand and silt, little coarse gravel	Sand and silt *				
10		24/6	10-12	100-3"		Brown fine to coarse sand and gravel with cobbles; refusal on bedrock ±10'	Bedrock				
15		. Энграмичальный положений	gamanni finisi en phishiqui ekilet g	анданын аядын аяды арта		•••					
20						EOB ±20'					
25	a - motivence		. <del>(стра</del> фіція) в папівні почов	<b>минимини</b>							
30				HIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII							
35		AND SECURE THE CHARLES AND THE PART THE CHARLES THE THE	e dieterspreigt bet bloop politet stelle.	вимникинования	<u></u>						

NOTES:

Screen set: 10-20' Ar

Bentonite Seal: 2-3'

Approximate depth to water: dry at time of drilling

#### AER/ADVANCED ENVIRONMENTAL REDEVELOPMENT, LLC

900 Madison Avenue, Room 213, Bridgeport, CT 06606

tel: 203-333-2767 fax: 203-333-4770

#### TEST BORING AND MONITOR WELL LOG

Date: 10/4/22	MW-3
Location: 440 Sport Hill Road, Easton, Connecticut	Sheet 1 of 1

.

Well materials: PVC

File number: 965

Contractor: Hardiman, HSA, Air Hammer

Boring logged by: CJK

Well diameter: 2"

D e p t	No.	pen./rec. in inches	depth in feet	blows	PID	Sample Description	Stratum Description
0		24/20	0-2			0-6" recycled asphalt; Brown fine to coarse sand and gravel, some silt	Sand and gravel
2	and the grade of the later	415616616616166111661611161561617FF	<b>жанишининик</b>				
5	, historia de la casa	24/18	5-7	3/4/35/80	11 11 11 11 11 11 11 11 11 11 11 11 11	Brown fine to coarse sand and silt, little coarse gravel	Sand and silt *
10		24/6	10-12	100-3"	e sousementaliseigenet	Brown fine to coarse sand and gravel with cobbles; refusal on bedrock ±10'	Bedrock
15	жанын монен а	ж <u>ү</u> ргэн на намен жануусуу байж	туционрасынскимини	Manufacture of the second	· · · · · · · · · · · · · · · · · · ·		
20		accommon accommon accommon for the data lad	- шынынынын скар-	NAMES DE SECULO DE S	P PERCENTAGE ACCORDING		
25						EOB ± 25'	
30	at hickorya ( ref lat				ы <i>г</i> ормын коры жүг		
35			anno bridataba bishi bishi		m andren internet		
шемпини	гимнични	и <u>многомирыюмому</u> минация		<b>а</b> рынымыныманыя антаначальная			

NOTES:

Screen set: 15-25' Approximate depth to water: dry at time of drilling

Bentonite Seal: 2-3' Sample collected for analysis: \*