



# Clean, Preserve...Protect Environmental Specialists

February 23, 2023

Mr. Stephen Grambling  
Re: Blueberry Lane  
Darien, CT 06820

Re: Limited Environmental Study, February 17, 2023  
Residence  
60 Blueberry Lane  
Darien, CT  
CT-DEEP Case # 2023-00501

Dear Mr. Grambling:

On February 17, 2023, Enviroshield personnel commenced with a limited subsurface investigation intended to discover if oil from an existing underground fuel oil storage tank had impacted the soil at the subject site. A site sketch (not to scale) indicating the area where a tank is buried, is enclosed for reference.

Enviroshield personnel used a hand driven Geoprobe® tooling device to collect three (3) samples of soil around the tank. Enviroshield attempts to collect soil samples from a level below the bottom of a tank or from within the groundwater table. The depth to the bottom of the 1000-gallon tank is seven (7') feet below grade.

Three (3) samples of soil (identified as HP1, HP2 and HP3) were obtained at the depths noted and submitted for analysis by Connecticut Extractable Total Petroleum Hydrocarbons (ETPH). This analysis is an industry standard for detecting #2 heating oil in soil. As indicated in the attached CET Analytical Report # 3020515, the reported result for the three (3) samples tested is below the laboratory detection limit for ETPH; no petroleum was detected within the soil samples.

Sample I.D. #	HP1	HP2	HP3	CT-DEEP Action Level 500 parts per million (ppm)
Boring Depth	6' to 8'	6' to 8'	6' to 8'	
Lab Result - ETPH	970*	680*	280*	

\*C18-C36 unknown

The results from the samples all indicated ETPH identified within an "unknown" petroleum range between C18-C36. This reported detection does not indicate the source of the ETPH as being from "#2 Fuel Oil". The presence of the ETPH reported could be the result of asphalt, foundation tar coating, coal ash within the fill material on site or another non-fuel oil related, ETPH source. Nevertheless, the reported levels range slightly below and above the regulatory criteria of 500 ppm. Because of the exceedance, the State of Connecticut Department of Energy and Environmental Protection (CT-DEEP) was notified and case # 2023-00501 was assigned.

Based on laboratory results, #2 fuel oil has not impacted the soil collected and analyzed surrounding the buried fuel oil tank system.

No further investigation or remediation is intended.

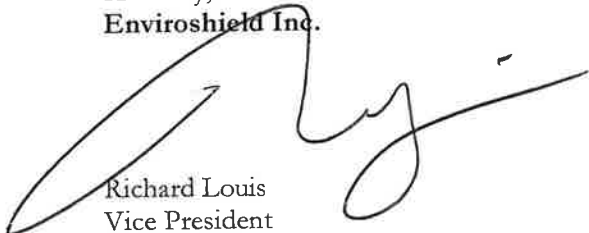
Every effort utilizing industry standard equipment and practices are made to detect ETPH caused by a release of #2 fuel oil; however, no guarantee of discovery of #2 fuel oil from the tank, or any other known or unknown source, is intended by these results.

The findings reported are based upon observations and information available to the technician during the time of services as described in this report. Enviroshield Inc. cannot be responsible for conditions or materials the technician did not observe due to lack of physical access.

Enclosed with this report is a site sketch (not to scale) showing the structures and soil sample locations and the laboratory result of analysis for the samples obtained.

If you have any questions concerning the referenced work, please contact me at your earliest convenience.

Sincerely,  
**Enviroshield Inc.**



Richard Louis  
Vice President

Enclosures

CC: CT-DEEP ([deep.spillsdocs@ct.gov](mailto:deep.spillsdocs@ct.gov))





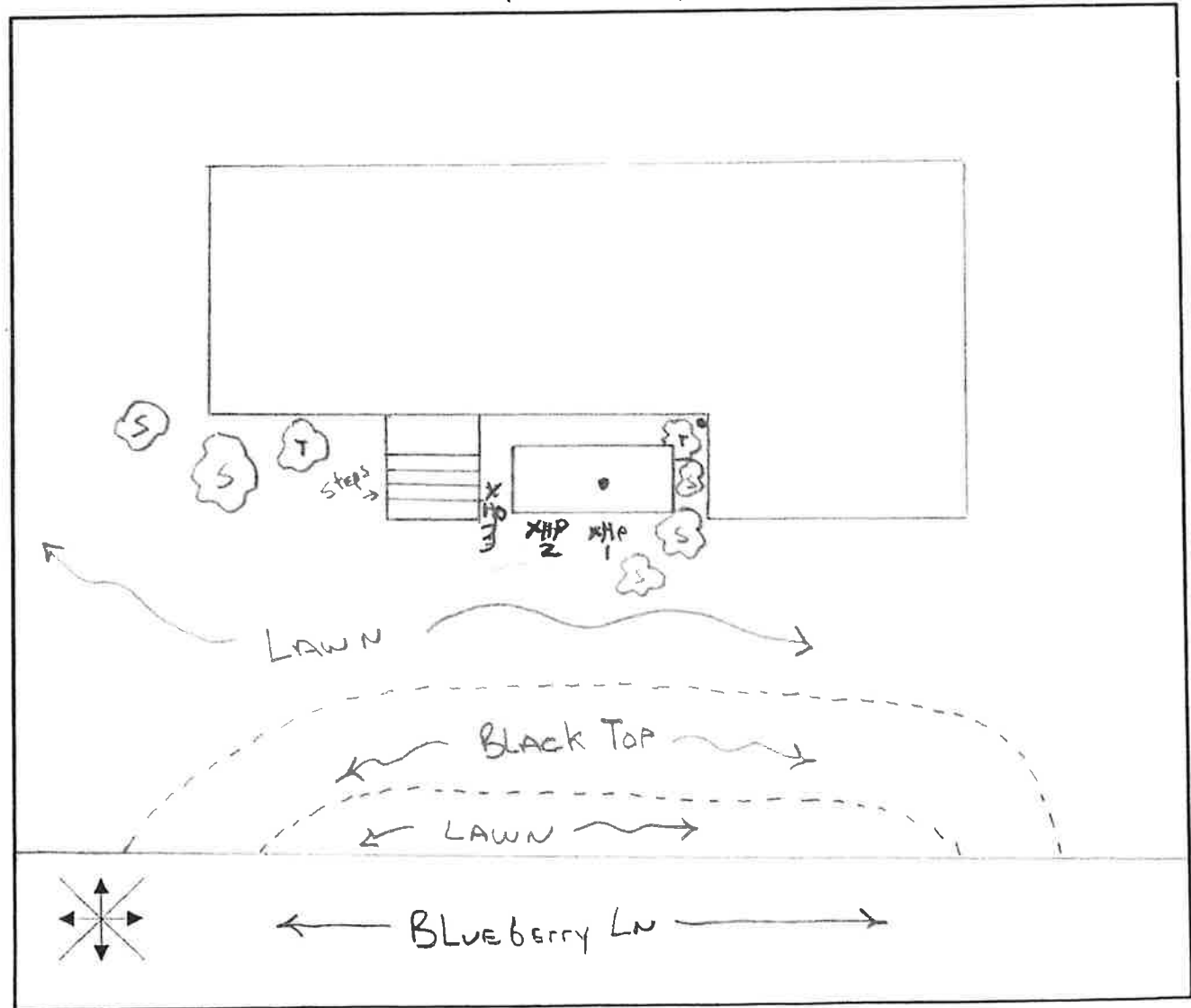
# SITE SKETCH

Job Requested By: Anita Henkel  
Job Site: RESIDENCE  
60 BLUEBERRY LN  
DARIEN, CT 06820

Date: 3/12/04 2/17/23  
Supervisor: DAN KEVIN  
Site Phone: (404) 652-4408

- Key:
- |                     |                         |               |
|---------------------|-------------------------|---------------|
| Furnace             | Vent Pipe               | Concrete      |
| Tank with fill pipe | Remote or Indirect Fill | Asphalt       |
| Potable Well        | Monitoring Well         | Fence         |
| Wood Deck           | Boring                  | Property Line |
| Wall (stone)        | Tree                    | Shrub         |

(NOT TO SCALE)



80 Lupes Drive  
Stratford, CT 06615



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

Client: Mr. Richard Louis  
Enviroshield, Inc.  
P.O. Box 1296  
Stratford, CT 06615

## **Analytical Report**

### **CET# 3020515**

Report Date: February 22, 2023  
Project: Grambling, 60 Blueberry Lane, Darien  
PO Number: 30249

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



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

CET # : 3020515

Project: Grambling, 60 Blueberry Lane, Darien

### SAMPLE SUMMARY

The sample(s) were received at 14.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
HP1	3020515-01	Soil	2/17/2023 9:30	02/17/2023
HP2	3020515-02	Soil	2/17/2023 10:00	02/17/2023
HP3	3020515-03	Soil	2/17/2023 10:30	02/17/2023

**Analyte: Percent Solids [SM 2540 G]**

**Analyst: RAN**

**Matrix: Soil**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3020515-01	HP1	87	1.0	%	1	B3B1738	02/17/2023	02/23/2023 10:40	
3020515-02	HP2	85	1.0	%	1	B3B1738	02/17/2023	02/23/2023 10:40	
3020515-03	HP3	91	1.0	%	1	B3B1738	02/17/2023	02/23/2023 10:40	

**Client Sample ID HP1**

**Lab ID: 3020515-01**

**Conn. Extractable TPH**

**Analyst: MJH**

**Method: CT-ETPH**

**Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
<b>ETPH</b>	<b>970</b>	<b>57</b>	<b>1</b>	<b>EPA 3550C</b>	<b>B3B2030</b>	<b>02/20/2023</b>	<b>02/22/2023 11:13</b>	<b>7</b>
Surrogate: Octacosane	83.1 %	50 - 150			B3B2030	02/20/2023	02/22/2023 11:13	
7 C18-C36 unknown								

CET #: 3020515

Project: Grambling, 60 Blueberry Lane, Darien

**Client Sample ID HP2**

**Lab ID: 3020515-02**

**Conn. Extractable TPH**

**Method: CT-ETPH**

**Analyst: MJH**

**Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
<b>ETPH</b>	<b>680</b>	58	1	EPA 3550C	B3B2030	02/20/2023	02/22/2023 11:34	7
<i>Surrogate: Octacosane</i>	84.7 %	50 - 150			B3B2030	02/20/2023	02/22/2023 11:34	
7 C18-C36 unknown								

**Client Sample ID HP3**

**Lab ID: 3020515-03**

**Conn. Extractable TPH**

**Method: CT-ETPH**

**Analyst: MJH**

**Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
<b>ETPH</b>	<b>280</b>	55	1	EPA 3550C	B3B2038	02/20/2023	02/20/2023 19:06	7
<i>Surrogate: Octacosane</i>	80.7 %	50 - 150			B3B2038	02/20/2023	02/20/2023 19:06	
7 c18-C36 unknown								

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 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 # : 3020515

Project: Grambling, 60 Blueberry Lane, Darien

#### CERTIFICATIONS

##### Certified Analyses included in this Report

Analyte	Certifications
<b><i>CT-ETPH in Soil</i></b>	
ETPH	CT
<b><i>SM 2540 G in Soil</i></b>	
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

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • [www.cetlabs.com](http://www.cetlabs.com)

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3020515



COMPLETE ENVIRONMENTAL TESTING, INC.

## CHAIN OF CUSTODY

Volatile Soils Only:

Date and Time in Freezer

Client:

CET:

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80 Lupes Drive  
Stratford, CT 06615Tel: (203) 377-9984  
Fax: (203) 377-9952  
e-mail: cetservices@cetlabs.com  
e-mail: bottleorders@cetlabs.comSample ID/Sample Depths  
(include Units for any sample depths provided)Collection  
Date/TimeMatrix  
A=Air  
S=Soil  
W=Water  
DW=Drinking  
Water  
C=Cassette  
Solid  
Wipe  
Other  
(Specify)Turnaround Time \*\*  
(check one)Same Day \*  
Next Day \*  
Two Day \*  
Three Day \*  
Std (5-7 Days)8260 CT List  
8260 Aromatics  
8260 Halogens  
CT ETPH  
8270 CT List  
8270 PNAs  
PCBs ☐ SOX ☐ ASEPesticides  
8 RCRA  
13 Priority Poll  
15 CT DEP  
Total  
SPLP  
TCLP  
Dissolved  
Field Filtered  
Lab to Filter

Metals

Additional Analysis

TOTAL # OF CONT.  
NOTE #PRESERVATIVE (Cl-HCl, N-HNO<sub>3</sub>, S-H<sub>2</sub>SO<sub>4</sub>, Na-OH, C-Cool, O-Other)

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

Soil VOCs Only (M=MeOH B=Bisulfate Sodium W=Water F=Vial Empty E=Encore)

DATE/TIME

RECEIVED BY:

2/17/23  
15:00

RELINQUISHED BY:

DATE/TIME

RECEIVED BY:

2/17/23  
15:00

RELINQUISHED BY:

DATE/TIME

RECEIVED BY:

## Client / Reporting Information

Company Name

Address

City

State

Zip

Report To:

Email

Phone #

Fax #

## Project Information

Project: 8260 CT LIST (8260 CT LIST)

PO #: 30244

Location: 60 BUDGETARY LANE

Project #:

CET Quote #

Collector(s):

QA/QC

☒ Std☐ Site Specific (MSMSD) \*☐ RCP Pkg \*☐ DOAW \*Data Report ☒ PDF☒ EDD - Specify Format☐ Other

RSR Reporting Limits (check one)

☒ GA☒ GB☒ SWP☐ Other

Laboratory Certification Needed (check one)

☒ CT☐ NY☐ RI☐ MA☐ PA

Temp Upon Receipt

41.1 °C

Evidence of Cooling:

☒ Y☐ N

PAGE

OF

\* 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.

REV 12/18