

# **REMEDIAL ACTION SUMMARY REPORT**

KoscoHeritage – South Fallsburg Terminal  
74 Griff Court  
South Fallsburg, Sullivan County, New York



**NYSDEC PBS NO. 3-123226**  
**NYSDEC SPILL NO. 19-00538**

September 11, 2020

**DT CONSULTING SERVICES, INC.**

1291 Old Post Road  
Ulster Park, New York 12487  
(845) 658-3484 (phone)  
dtconsulting@hvc.rr.com

September 11, 2020

**Mr. Kenneth Davenport**

LL Fuel Storage, LLC  
Post Office Box 454  
Hurley, New York 12443

**RE: REMEDIAL ACTION SUMMARY REPORT**

KoscoHeritage – South Fallsburg Terminal  
74 Griff Court  
South Fallsburg, Sullivan County, New York

**NYSDEC PBS NO. 3-123226/NYSDEC SPILL NO. 19-00538**

Dear Mr. Davenport:

Pursuant to your request, DT Consulting Services, Inc. (DTCS) is please to present the following Remedial Summary Report for your approval. As required, a copy of this report will be forwarded to the New York State Department of Environmental Conservation (NYSDEC) for their review and comment. Based upon the findings of the field activity, the Subject Property is applying to the NYSDEC Brownfield Cleanup Program (BCP). Application documents for the BCP will follow this report.

If you should have any questions or require additional information please feel free to contact me at (845) 658-3484. DTCS thanks you for the opportunity to work with you on this project.

Sincerely,

**DT CONSULTING SERVICES, INC.**

*Deborah J. Thompson*

Deborah J. Thompson  
Senior Geologist/Project Manager

Cc: NYSDEC Region III  
G. Bowitch, Esq.

**DT CONSULTING SERVICES, INC.**

**REMEDIAL ACTION SUMMARY REPORT**

**Pertaining to:**

KoscoHeritage – South Fallsburg Terminal  
74 Griff Court  
South Fallsburg, Sullivan County, New York

**Prepared for:**

Mr. Kenneth Danvenport  
LL Fuel Storage, LLC  
Post Office Box 454  
Hurley, New York 12443

**Prepared by:**

Ms. Deborah J. Thompson  
Senior Geologist/Project Manager  
**DT CONSULTING SERVICES, INC.**  
1291 Old Post Road  
Ulster Park, New York 12487

**Date:** September 11, 2020

**DT CONSULTING SERVICES, INC.**

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### 1.0 SITE INFORMATION

DT Consulting Services, Inc. (DTCS) has been authorized by LL Fuel Storage, LLC (property owner) to execute the New York State Department of Environmental Conservation (NYSDEC) approved Remedial Action Work Plan or RAWP (see RAWP, DTCS, February 19, 2020 for details) on the commercial property known as the KoscoHeritage – South Fallsburg Terminal located at 74 Griff Court, South Fallsburg, Sullivan County, New York referenced heretofore as the Site or Subject Property. Note that since the Site is located at the intersection of Griff Court and Laurel Avenue, the Subject Facility has also been referenced with a Site address of 25 Laurel Avenue. Attached as Figures 1 and 2 are Site Location and Site (base) Maps, respectively for your review.

The irregularly shaped +/- 1.76-acre Site includes a total of two tax parcels and is currently utilized as an unmanned, petroleum bulk storage (PBS) terminal. The Site is improved with an approximate 3,200-ft<sup>2</sup> unoccupied office and dry goods storage building along with ten aboveground storage tanks (ASTs), a fuel truck loading rack and an oil-water separator utilized to treat storm water run-off within the secondary containment area surrounding the ASTs prior to discharge. Note that the facility does maintain a Spill Prevention Control and Countermeasure (SPCC) Plan. Under the NYSDEC PBS Program, facilities with a combined petroleum storage capacity of greater than eleven hundred gallons or which have any underground storage tanks (USTs) with capacities greater than 110-gallons or which have a stationary waste oil tank are required to comply with registration, handling, storage, and record keeping requirements established in 6 NYRCRR Part 613. Review of a NYSDEC PBS Registration Certificate revealed that the KoscoHeritage facility is registered under PBS No. 3-123226.

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Stone base driveways and operational areas are found along the north, east and western sides of the main Site structure. The Subject Property is situated within a mixed use setting and is accessed from Laurel Avenue located east of the Subject Property. The Site is generally level and at grade with the adjacent roadway.

### **1.1 Potential Sensitive Receptors**

There are no wetlands or surface water bodies Subject Property. The nearest water body in relation to the Site is the Sheldrake Stream, located approximately 300-ft. west of the Subject Property, which flows southward to discharge into Pleasant Lake. Based upon available documentation, as the Site is unoccupied, there are no private wells or septic systems utilized at the Subject facility.

## **2.0 SITE BACKGROUND/PREVIOUS ENVIRONMENTAL REPORTING**

On April 16, 2019 a spill was reported to the NYSDEC based upon the findings of a Limited Phase II Environmental Site Assessment (ESA) performed by Continental Placer, Inc. (CPI) of Albany, New York. As a result of this notification, Spill Number 19-00538 has been assigned to the Site by the Department. The ESA included the advancement of four soil borings to a depth of approximately 15 – 20 feet below grade surface (bgs). In total, four soil samples and one groundwater sample was submitted for laboratory analysis by CPI. Results indicated low level volatile and semi-volatile organic compound (VOC/SVOC) contaminant concentrations within three of the four monitoring locations; although only one soil boring location (SB-3) displayed VOCs above Soil Clean-up Objectives or SCOs as defined in NYSDEC CP-51/Soil Cleanup Guidance, October, 21, 2010.

DTCS was subsequently retained by LL Fuel Storage, LLC to generate a Subsurface Investigative Work Plan to delineate the extent of petroleum impacts

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on-Site as per the request of the Department. Upon approval of the plan, DTCS proceeded in executing the study as described in the plan on September 13, 2019. To provide additional data and delineate current subsurface conditions, a total of eight soil borings were advanced on the Subject Property by DTCS. Upon review of analytical testing, DTCS concluded that most all soil boring locations (with the exception of Soil Boring SB-6) were returned with volatile organic compounds (VOCs) concentrations above NYSDEC CP-51 SCOs. The remaining testing parameters, namely the SVOCs, were recorded as either non-detect or with contaminant concentrations below state SCOs. Due to the elevated petroleum constituents encountered in soil and groundwater, DTCS recommended excavation and proper disposal of source material from within the identified areas surrounding Soil Borings SB-1 – SB-6. The Department concurred and requested a RAWP be generated and reviewed prior to proceeding with remedial procedures on-Site. The RAWP was subsequently submitted by DTCS and approved to the NYSDEC.

### **3.0 REMEDIAL ACTION**

Remediation of recorded subsurface contamination was performed utilizing the following course of action:

- Excavation, staging and testing of impacted source materials;
- Dewatering and off-Site disposal of captured groundwater, as necessary to remove source material;
- Post excavation sampling for VOCs and SVOCs following the excavation of petroleum contaminated soils; and

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- Generation of a Remedial Action Summary Report at the completion of all above referenced Site activities.

### **3.1 Petroleum Contaminated Soil Excavation/Field Screening Activities**

To remediate detected soil impacts; DTCS mobilized to the Subject Property on July 7 – 14, 2020 to excavate petroleum impacted soils which warranted removal based upon historical analytical testing and field observations. Soil excavation was performed with the use of heavy equipment to scoop overburden materials onto 6-mil polyethylene sheeting for temporary staging, which was covered with another layer of 6-mil sheeting at the conclusion of each work day.

While conducting remedial action, excavated materials were field screened with a field calibrated photoionization detector or PID for the presence of VOCs. The screening was conducted employing a MiniRae Photoionization Detector or PID calibrated with a 100 parts per million (ppm) isobutylene standard. As most petroleum products contain VOCs, PID screening can indicate the presence of petroleum in unsaturated materials. While performing soil screening procedures during source removal, DTCS initially recorded positive readings of 100 – 5,750+ ppm with the PID throughout the remedial area. Soils displaying obvious signs of petroleum impacts (contamination) were staged pending the completion of laboratory analysis required for the chosen disposal location.

During the course of source removal, approximately 900 yards of petroleum impacted soils were staged on-Site for future disposal. DTCS documented more extensive soil and groundwater impacts during excavation procedures which appeared to warrant excavation and/or remediation. As such, field work was temporarily postponed, pending the discussion and acceptance of the Subject Property into the NYSDEC Brownfield Cleanup Program (BCP).



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Prior to backfilling the work area, a demarcation layer consisting of 6-mil polyethylene sheeting was placed into the excavation and backfilled with crushed stone to grade surface.

### **3.2 Subsurface Soil Conditions, Sampling & Analysis**

Within the excavation area, subsurface materials encountered were documented as mixed fill (0 – 6’ below grade surface or bgs), silty sand (6 – 10’ bgs) underlain by native till (10 – 13’ bgs). Slabs of concrete were also found within the southwestern quadrant of the excavation and are believed to be remnants of historical tank cradles which were employed during a former PBS event. Bedrock was not encountered during source removal procedures on-Site. Groundwater was documented to infiltrate the excavation at approximately 10’ bgs and contained free phase product and petroleum sheen.

Upon the removal of impacted materials, soil testing was conducted pursuant to the requirements of DER-10 and STARS #1" Petroleum Contaminated Soil Guidance Policy” to determine Site soil conditions and the necessity to further excavate impacted source materials. Within the study area, all samples were grab samples taken in accordance with NYSDEC Guidance Document DER-10 protocol. Upon collection, DTCS submitted post excavation soil samples to York of Stratford, CT for the NYSDEC CP-51 targeted VOC and SVOC compound list analysis via EPA test methods 8260 and 8270 B/N respectively. Samples were composited as follows (all sampling locations can be referenced in Figure 2 of this report):

#### **York Project No. 20G0477-01 – 20G0477-09**

Sample No. 001 = Soil Pull SP-1

Sample No. 002 = Soil Pull SP-2

Sample No. 003 = Soil Pull SP-3

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Sample No. 004 = Soil Pull SP-4

Sample No. 005 = Soil Pull SP-5

Sample No. 006 = Soil Pull SP-6

Sample No. 007 = Soil Pull SP-7

Sample No. 008 = Soil Pull SP-8

Sample No. 009 = Soil Pull SP-9

### **York Project No. 20G0479-01 – 20G0479-04**

Sample No. 001 = Soil Pull SP-10

Sample No. 002 = Soil Pull SP-11

Sample No. 003 = Soil Pull SP-12

Sample No. 004 = Soil Pull SP-13

Included for your review in Attachment B are copies of the Technical Reports as generated during post excavation soil analysis conducted for the Site.

### **3.3 Petroleum Contaminated Soil Sampling & Analysis**

In order to gain approval for transport and disposal of source material, soil samples were obtained from the contaminated soil pile (during active Site excavation) for laboratory testing by DTCS. Upon collection, DTCS submitted the staged soil samples to York of Stratford, CT for the performance of technical analysis. Sampling methodology for Staged Soil I & II included the Toxicity Characteristic Leaching Procedure (TCLP) soil extraction method for VOCs, SVOCs and RCRA metals, total PCBs and total petroleum hydrocarbons (TPH) diesel range organics (DRO) and gasoline range organics (GRO). Alternatively, analytical methods utilized to test Staged Soil I & II included the NYSDEC CP-

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51 compound list for total VOCs and SVOCs via EPA test methods 8260 and 8270 B/N respectively. Samples were composited as follows:

### **York Project No. 20G0369**

Sample No. 001 = Staged Soil – I

Sample No. 002 = Staged Soil – II

Sample No. 003 = Staged Soil – I & II

Included for your review in Attachment B is a copy of the Technical Report as generated during analysis of the staged soil on-Site.

### **3.4 Groundwater Dewatering, Sampling & Analysis**

On account of the relatively shallow groundwater table encountered during source removal procedures; dewatering was necessary in an attempt to remove source material within the smear zone. While conducting remedial activities, Luzon Environmental Services, Inc. (Luzon) of Woodridge, New York was retained to extract petroleum impacted oily water as the liquid matrix accumulated within the excavation. A total of 2,480 gallons on July 9, 2020 and 9,402 gallons on July 13, 2020 was extracted and properly disposed of by Luzon. Copies of the waste manifests have been placed in Attachment A for your reference.

Between dewatering procedures, DTCS collected a groundwater sample with the employment of a disposable polyethylene bailer for analysis. Upon collection, DTCS submitted samples to York of Stratford, CT for the NYSDEC CP-51 targeted VOC and SVOC compound list analysis via EPA test methods 8260 and 8270 B/N respectively. Samples were denoted as follows (all sampling locations can be referenced in Figure 2 of this report):

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## **York Project No. 20G0477-10**

Sample No. 0010 = Groundwater

Included for your review in Attachment B is a copy of the Technical Report as generated during groundwater analysis conducted for the Site.

### **4.0 FINDINGS**

#### **4.1 Subsurface Soil Quality**

Based upon remedial field observations and soil screening, DTCS can conclude that noticeable signs of petroleum contamination (i.e. staining, odors and/or moderate to high PID analysis) were detected within the on-Site targeted remedial areas. To provide quantitative data on soil quality, a total of thirteen post excavation soil samples were collected remedial area while conducting Site activities; (see Figure 2 for locations). A majority of the laboratory testing revealed that soils failed to meet CP-51 soil cleanup objectives (SCOs) for VOCs and SVOCs. Attached for your review as Table 1 is a soil quality comparison chart depicting reported post-excavation sampling concentrations verses NYSDEC CP-51 guidance.

#### **4.2 Groundwater Quality**

Impacts to groundwater were documented during initial remedial measures performed by DTCS. Those impacts included the presence of weathered free phase petroleum product and sheen. The groundwater sample collected for analysis was returned with dissolved phase contaminant concentrations which exceed NYSDEC Groundwater Quality Standards, Division of Water Technical & Operational Guidance Series (TOGS 1.1.1). Attached for your review as Table 1

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is a groundwater quality comparison chart depicting reported sample concentrations verses guidance values.

### **5.0 CONCLUSIONS/RECOMMENDATIONS**

Obvious signs of petroleum contamination (i.e., stained soils, positive PID readings and petroleum impacted groundwater) were observed by DTCS during the initial course of remedial action. As stated previously, the nature and extent of source material was found to extend beyond the initial limits though necessary to remediate the subsurface. Although approximately 900 yards of contaminated soil has been removed and stockpiled on-Site, the impacts appear to exist well beyond that area excavated. At this time, DTCS recommends LL Fuel Storage, LLC apply to the BCP as a Volunteer to undertake and complete necessary remedial activities on-Site.

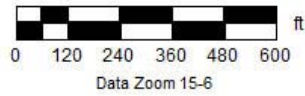
### **6.0 LIMITATIONS**

DTCS has prepared this site assessment using reasonable efforts in each phase of its work to remediate detected subsurface petroleum contamination on-Site. This report is not definitive, and should not be assumed to be a complete or specific definition of all conditions above or below grade. The conclusions set forth herein are applicable only to the facts and conditions described at the time of this report.

**FIGURES**



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 www.delorme.com



DT Consulting Services, Inc.  
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 Ulster Park, New York 12487  
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Client: LL Fuel Storage, LLC

Location: 74 Griff Court, South Fallsburg, New York

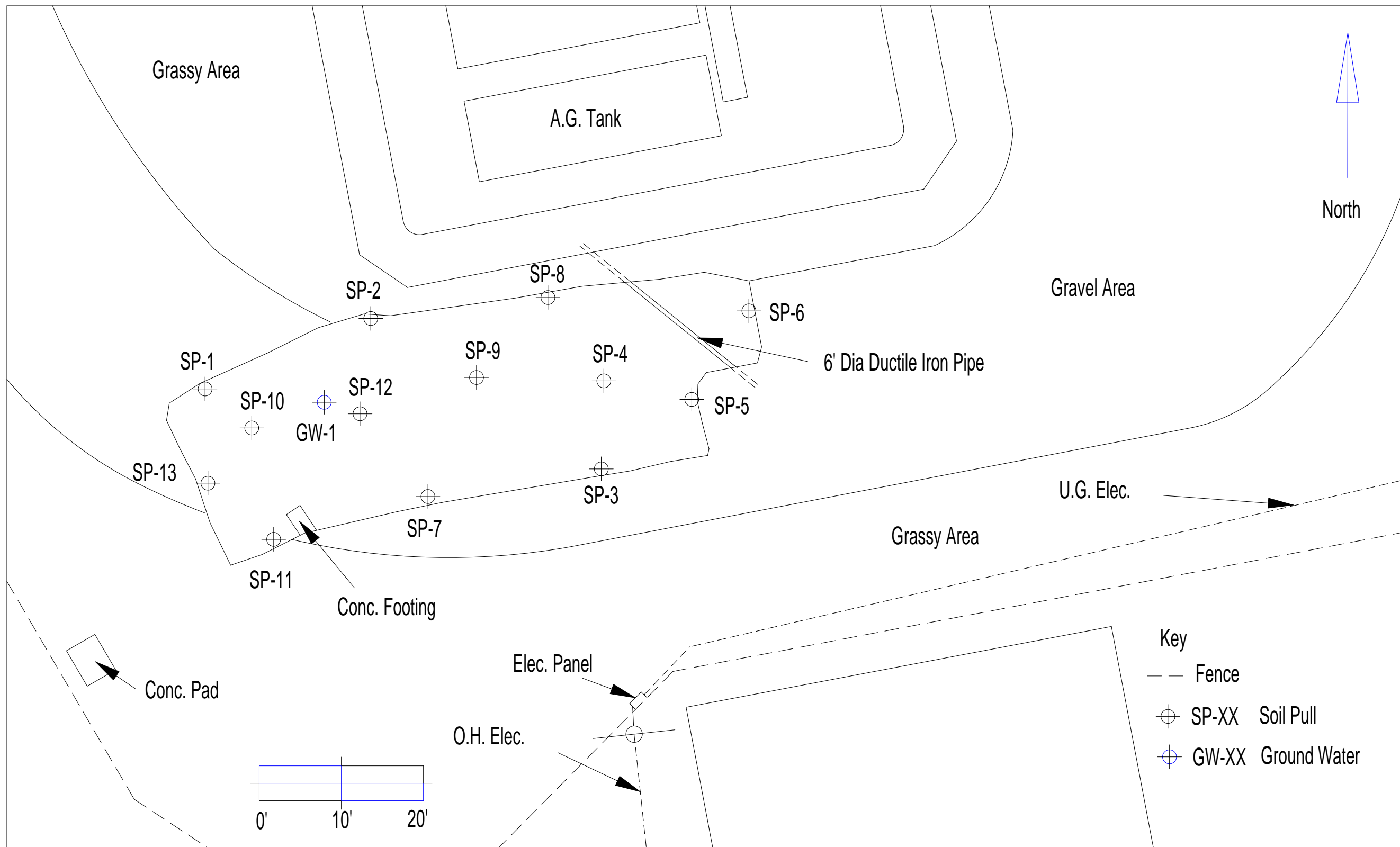
Title: Site Location Map

Spill No: 19-00538

Scale: Graphic

Drawn By: O.T.

Fig.#: 1



- Key
- Fence
  - ⊕ SP-XX Soil Pull
  - ⊕ GW-XX Ground Water

DT Consulting Services, Inc.  
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 Ulster Park, New York 12487  
 (845) 658-3484

Client: LL Fuel Storage, LLC			
Location: 74 Griff Court, South Fallsburg, Sullivan County, New York			
Title: Site (base) Map - Remediation July 2020			
Scale: Graphic	Drawn By: O.T.	Spill No: 19-00538	Fig.#: 1



**TABLES**

**Table 1: Summary of Soil Laboratory Analysis for Volatile Organic Compounds (VOCs) - Remedial Action July 10, 2020**

**Site:** LL Fuel Storage, LLC – South Fallsburg Terminal  
 74 Griff Court  
 South Fallsburg, Sullivan County, New York

**Client Name:** LL Fuel Storage, LLC  
**Address:** Post Office Box 797  
 Lake Katrine, New York 12449  
**Contact Name:** John Ringel

NYSDEC MOSF NO. 3-123226/NYSDEC SPILL NO. 19-00538

Sample Location	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	Groundwater Excavation		
Sample Number	1	2	3	4	5	6	7	8	9	10		
Date Collected	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020		
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Groundwater		
Analytical Method	8260C - CP-51	8260C - CP-51	8260C - CP-51	8260C - CP-51	8260C - CP-51	8260C - CP-51	8260C - CP-51	8260C - CP-51	8260C - CP-51	8260C - CP-51		
Compound	Soils Guidance	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Groundwater Guidance	Sample Con	
1,2,4-Trimethylbenzene	3,600	<b><u>61,000</u></b>	<b><u>36,000</u></b>	40	<b><u>22,000</u></b>	<b><u>36,000</u></b>	<b><u>150,000</u></b>	<b><u>140,000</u></b>	<b><u>250,000</u></b>	<b><u>160,000</u></b>	5	<b><u>47</u></b>
1,3,5-Trimethylbenzene	8,400	<b><u>9,700</u></b>	5,000	790	1,300	<b><u>9,800</u></b>	<b><u>44,000</u></b>	6,900	<b><u>14,000</u></b>	ND	5	<b><u>62</u></b>
Benzene	60	ND	ND	ND	<b><u>1,200</u></b>	<b><u>3,600</u></b>	<b><u>4,200</u></b>	ND	<b><u>2,700</u></b>	ND	0.7	<b><u>510</u></b>
Ethylbenzene	1,000	<b><u>41,000</u></b>	<b><u>13,000</u></b>	4	<b><u>5,900</u></b>	<b><u>17,000</u></b>	<b><u>48,000</u></b>	<b><u>34,000</u></b>	<b><u>68,000</u></b>	<b><u>41,000</u></b>	5	<b><u>330</u></b>
Isopropylbenzene	2,300	<b><u>7,300</u></b>	<b><u>3,600</u></b>	ND	820	2,300	<b><u>6,100</u></b>	<b><u>4,900</u></b>	<b><u>8,400</u></b>	ND	5	<b><u>37</u></b>
MTBE	930	ND	ND	3.4	ND	ND	ND	ND	ND	ND	10	<b><u>55</u></b>
Naphthalene	12,000	<b><u>31,000</u></b>	<b><u>20,000</u></b>	32	5,100	<b><u>15,000</u></b>	<b><u>29,000</u></b>	<b><u>28,000</u></b>	<b><u>36,000</u></b>	<b><u>28,000</u></b>	10	<b><u>270</u></b>
n-Butylbenzene	12,000	11,000	6,000	ND	1,600	4,200	11,000	9,200	<b><u>15,000</u></b>	<b><u>ND</u></b>	5	<b><u>23</u></b>
n-Propylbenzene	3,900	<b><u>24,000</u></b>	<b><u>13,000</u></b>	ND	3,100	<b><u>7,400</u></b>	<b><u>20,000</u></b>	<b><u>18,000</u></b>	<b><u>30,000</u></b>	<b><u>22,000</u></b>	5	<b><u>130</u></b>
o-Xylene	260	ND	ND	4.4	540	<b><u>1,200</u></b>	<b><u>47,000</u></b>	ND	<b><u>1,900</u></b>	ND	5	<b><u>13</u></b>
p-&m-Xylenes	260	<b><u>3,500</u></b>	<b><u>7800</u></b>	17	<b><u>5,900</u></b>	<b><u>7,800</u></b>	<b><u>160,000</u></b>	<b><u>15,000</u></b>	<b><u>46,000</u></b>	ND	5	<b><u>140</u></b>
p-Isopropyltoluene	10,000	3,900	2,300	ND	520	1,600	ND	2,900	4,200	ND	5	<b><u>13</u></b>
sec-Butylbenzene	11,000	5,500	3,200	ND	710	1,800	3,100	4,100	6,200	ND	5	<b><u>16</u></b>
tert-Butylbenzene	5,900	<b><u>7,700</u></b>	ND	ND	ND	ND	ND	ND	ND	ND	5	ND
Toluene	700	ND	ND	ND	ND	ND	<b><u>4,700</u></b>	ND	ND	ND	5	<b><u>12</u></b>

Notes:

1. Soil results are recorded in micrograms-per-kilogram (µg/Kg) or ppb. Groundwater results are recorded in micrograms-per-liter (µg/L) or ppb.
2. ND = Undetected. J = Detected below reporting limit but greater than or equal to MDL; therefore, the result is an estimated concentration.
3. The presented soil quality guidance values were adopted from the NYSDEC CP-51/Soil Cleanup Guidance, October, 21, 2010 .
4. The presented guidance values were adopted by the NYSDEC Groundwater Quality Standards, Division of Water Technical & Operational Guidance Series (TOGS 1.1.1).
5. Analytical measurements exceeding guidance values are in bold type and underlined as such **100**.

**Table 1: Summary of Soil Laboratory Analysis for Semi-Volatile Organic Compounds (SVOCs) - Remedial Action July 10, 2020**

**Site:** LL Fuel Storage, LLC – South Fallsburg Terminal  
 74 Griff Court  
 South Fallsburg, Sullivan County, New York

**Client Name:** LL Fuel Storage, LLC  
**Address:** Post Office Box 797  
 Lake Katrine, New York 12449  
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Sample Location	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	Groundwater Excavation		
Sample Number	1	2	3	4	5	6	7	8	9	10		
Date Collected	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020	7/10/2020		
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Groundwater		
Analytical Method	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51	8270 B/N - CP-51		
Compound	Soils										Groundwater	
	Guidance	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Sample Con	Guidance	Sample Con
Acenaphthene	20,000	1,500	1,000	95	150	910	200	1,400	1,100	1,700	20	<b><u>44</u></b>
Acenaphthylene	100,000	490	340	ND	ND	320	79	380	390	550	NS	ND
Anthracene	100,000	810	570	62	80	500	100	620	640	940	50	29
Benzo(a)anthracene	1,000	ND	66	ND	ND	ND	59	ND	ND	48	0	ND
Benzo(a)pyrene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
Benzo(b)fluoranthene	1,000	ND	49	ND	ND	ND	63	ND	ND	ND	0.002	ND
Benzo(g,h,i)perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
Chrysene	1,000	47	71	ND	ND	55	80	57	50	68	0	ND
Dibenz(a,h)anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
Fluoranthene	100,000	180	180	ND	ND	180	170	150	150	230	50	ND
Fluorene	30,000	2,700	1,800	210	290	1,600	350	2,100	2,100	3,200	50	<b><u>99</u></b>
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
Naphthalene	12,000	<b><u>13,000</u></b>	650	89	780	8,100	<b><u>16,000</u></b>	6,800	6,600	<b><u>17,000</u></b>	10	<b><u>960</u></b>
Phenanthrene	100,000	5,700	4,300	410	570	3,300	620	4,300	4,400	6,900	50	<b><u>210</u></b>
Pyrene	100,000	540	450	52	73	400	180	420	480	670	50	ND

Notes:

1. Soil results are recorded in micrograms-per-kilogram (µg/Kg) or ppb. Groundwater results are recorded in micrograms-per-liter (µg/L) or ppb.
2. ND = Undetected. J = Detected below reporting limit but greater than or equal to MDL; therefore, the result is an estimated concentration.
3. The presented soil quality guidance values were adopted from the NYSDEC CP-51/Soil Cleanup Guidance, October, 21, 2010 .
4. The presented guidance values were adopted by the NYSDEC Groundwater Quality Standards, Division of Water Technical & Operational Guidance Series (TOGS 1.1.1).
5. Analytical measurements exceeding guidance values are in bold type and underlined as such **100**.

**DT CONSULTING SERVICES, INC.**

**ATTACHMENTS**

**DT CONSULTING SERVICES, INC.**

**ATTACHMENT A**

# LUZON ENVIRONMENTAL SERVICES PO Box 1070 - Woodridge, NY 12789

1246 GLEN WILD ROAD  
 WOODRIDGE, NY 12789  
 OFFICE: 845-434-7805  
 FAX: 845-434-0307  
 EMERGENCY No.: 800-828-8249

WWW.LUZONENV.COM  
 E.P.A. I.D.: # YD982729238

Carl 1230 1250 245 #

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Generator Name DT Shipping/Billing Name \_\_\_\_\_

Address 74 Cliff Court Address \_\_\_\_\_

South Fallsburg, NY

Phone No. 845 - 9430159 Phone No. \_\_\_\_\_

Lab Number	Description of Waste	Quantity	Units	Containers		Codes
				No.	Type	
<input type="text"/>	NO. 18 Water Contaminated w/petroleum NON DOT NON EPA regulated liquid No placards needed	<u>2480</u>	<u>G</u>	<u>01</u>	<u>T</u>	G - Gallons D - Drum C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>		
<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

I hereby certify that the above named material is not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261, or any applicable state law.

Generator Authorized Agent Name Deborah Thompson Signature Deborah Thompson Shipment Date 070918

### TRANSPORTER

Transporter Name Luzon Env Services Driver Name (Print) Carl

Address PO Box 1070 Vehicle No. / License No. 223

Woodridge, NY 12789

Vehicle Certification 3A005

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 070920 Driver Signature [Signature] Delivery Date 070920

### DESTINATION

This is to certify that 2480 of the above cited waste material was received at \_\_\_\_\_  
(Total amount or portion in cubic yards, gallons, or truck loads)

Site Name Luzon Env Services Phone No. 845 - 4347805

Address 1246 Glen Wild Rd Woodridge, NY 12789

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Miki Accomando Signature Miki Accomando Receipt Date 070920

White - Destination      Canary - Transporter      Pink - Return to Generator      Gold - Leave with Generator

# LUZON ENVIRONMENTAL SERVICES PO Box 1070 - Woodridge, NY 12789

1246 GLEN WILD ROAD  
 WOODRIDGE, NY 12789  
 OFFICE: 845-434-7805  
 FAX: 845-434-0307  
 EMERGENCY No.: 800-828-8249

WWW.LUZONENV.COM  
 E.P.A. I.D.: # YD982729238

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Generator Name \_\_\_\_\_ Shipping/Billing Name DT Cons  
 Address 74 Griff Ct Address \_\_\_\_\_  
S Fallsburg NY  
 Phone No. [ ][ ] - [ ][ ][ ][ ][ ][ ] Phone No. [ ][ ] - [ ][ ][ ][ ][ ][ ]

Lab Number	Description of Waste	Quantity	Units	Containers	
				No.	Type
[ ] [ ] [ ] [ ] <u>NO18</u>	<u>Water Contaminated with oil</u>	[ ] [ ] [ ] [ ] <u>3419</u>	[ ] [ ] <u>G</u>	[ ] [ ] [ ] <u>01</u>	[ ] [ ] <u>T</u>
[ ] [ ] [ ] [ ]		[ ] [ ] [ ] [ ]	[ ] [ ]	[ ] [ ] [ ]	[ ] [ ]
[ ] [ ] [ ] [ ]		[ ] [ ] [ ] [ ]	[ ] [ ]	[ ] [ ] [ ]	[ ] [ ]

- Codes**  
 G - Gallons  
 D - Drum  
 C - Carton  
 B - Bag  
 T - Truck  
 P - Pounds  
 Y - Yards  
 O - Other

**I hereby certify that the above named material is not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261, or any applicable state law.**

DT consult, \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date 071320

### TRANSPORTER

Transporter Name Luzon Env. Driver Name (Print) Cliff  
 Address 1246 Glen Wild Rd Vehicle No. / License No. 219  
Woodridge NY 12789 Vehicle Certification 3A-005

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Clifford O'Rell \_\_\_\_\_ Shipment Date 071320 \_\_\_\_\_ Delivery Date [ ][ ] [ ][ ] [ ][ ] [ ][ ]  
 Driver Signature \_\_\_\_\_ Driver Signature \_\_\_\_\_

### DESTINATION

This is to certify that 3419.9 of the above cited waste material was received at \_\_\_\_\_  
 (Total amount or portion in cubic yards, gallons, or truck loads)

Site Name Luzon Env. Ser. Phone No. 845-434-7805  
 Address 1246 Glen Wild Rd Woodridge NY 12789

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Mitzi Accomando \_\_\_\_\_ Signature \_\_\_\_\_ Receipt Date 071320

White - Destination      Canary - Transporter      Pink - Return to Generator      Gold - Leave with Generator

# LUZON ENVIRONMENTAL SERVICES PO Box 1070 - Woodridge, NY 12789

1246 GLEN WILD ROAD  
 WOODRIDGE, NY 12789  
 OFFICE: 845-434-7805  
 FAX: 845-434-0307  
 EMERGENCY No.: 800-828-8249

WWW.LUZONENV.COM  
 E.P.A. I.D.: # YD982729238

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Generator Name \_\_\_\_\_ Shipping/Billing Name DT Consulting  
 Address 74 Griff Court Address 1291 Old Post Rd  
S. Fallsburg NY 12779 Ulster Park, NY 12484  
 Phone No. [ ][ ] - [ ][ ][ ][ ][ ][ ] Phone No. 845 - 6583484

Lab Number	Description of Waste	Quantity	Units	Containers		Codes
				No.	Type	
<u>NO 18</u>	<u>Water Cont. with oil</u>	<u>3419</u>	<u>G</u>	<u>01</u>	<u>T</u>	G - Gallons D - Drum C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other

I hereby certify that the above named material is not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261, or any applicable state law.

Deborah Thompson Deborah Thompson 071320  
 Generator Authorized Agent Name Signature Shipment Date

### TRANSPORTER

Transporter Name Luzon Env. Serv Driver Name (Print) Cliff  
 Address 1246 Glen Wild Rd Vehicle No. / License No. 219  
Woodridge NY 12789 Vehicle Certification 3A-005

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Clifford O'Dell 071320 Clifford O'Dell 071320  
 Driver Signature Shipment Date Driver Signature Delivery Date

### DESTINATION

This is to certify that 3419 of the above cited waste material was received at \_\_\_\_\_  
 (Total amount or portion in cubic yards, gallons, or truck loads)

Site Name Luzon Env. Serv Phone No. 845 - 4347805  
 Address 1246 Glen Wild Rd - Woodridge NY 12789

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Miki Accomando Miki Accomando 071320  
 Name of Authorized Agent Signature Receipt Date

White - Destination

Canary - Transporter

Pink - Return to Generator

Gold - Leave with Generator



# LUZON ENVIRONMENTAL SERVICES PO Box 1070 - Woodridge, NY 12789

1246 GLEN WILD ROAD  
 WOODRIDGE, NY 12789  
 OFFICE: 845-434-7805  
 FAX: 845-434-0307  
 EMERGENCY No.: 800-828-8249

WWW.LUZONENV.COM  
 E.P.A. I.D.: # YD982729238

250

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Generator Name \_\_\_\_\_ Shipping/Billing Name DT CONSU.  
 Address 74 Griff Ct Address 1291 Old Post Rd  
S. Fallsburg NY 12779 WATER PART NY 12484  
 Phone No. [ ][ ] - [ ][ ][ ][ ][ ][ ] Phone No. 845 - 658 3484

Lab Number	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>NO18</u>	<u>Water Contain. w/oil</u>	<u>2269</u>	<u>G</u>	<u>01</u>	<u>T</u>	
[ ][ ][ ][ ]		[ ][ ][ ][ ]	[ ][ ]	[ ][ ]	[ ][ ]	
[ ][ ][ ][ ]		[ ][ ][ ][ ]	[ ][ ]	[ ][ ]	[ ][ ]	

- Codes**  
 G - Gallons  
 D - Drum  
 C - Carton  
 B - Bag  
 T - Truck  
 P - Pounds  
 Y - Yards  
 O - Other

**I hereby certify that the above named material is not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261, or any applicable state law.**

Deborah Thompson Deborah Thompson 071320  
 Generator Authorized Agent Name Signature Shipment Date

### TRANSPORTER

Transporter Name LUZON ENV. Driver Name (Print) CLIFF  
 Address 1246 Glen Wild Rd Vehicle No. / License No. 219  
Woodridge NY 12789 Vehicle Certification 3A-005

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Clifford 071320 Clifford 071320  
 Driver Signature Shipment Date Driver Signature Delivery Date

### DESTINATION

This is to certify that 2269 of the above cited waste material was received at  
(Total amount or portion in cubic yards, gallons, or truck loads)

Site Name LUZON ENV. SERV. Phone No. 845-434-7805  
 Address 1246 Glen Wild Rd Woodridge NY 12789

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Mike Accomando Mike Accomando 071320  
 Name of Authorized Agent Signature Receipt Date

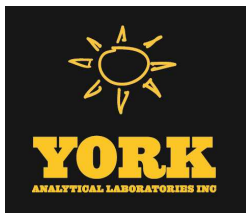
White - Destination      -      Canary - Transporter      Pink - Return to Generator      Gold - Leave with Generator

**DT CONSULTING SERVICES, INC.**

**ATTACHMENT B**

**DT CONSULTING SERVICES, INC.**

**POST EXCAVATION SOIL & GROUNDWATER  
TECHNICAL REPORTING**



# Technical Report

prepared for:

**DT Consulting Services**  
1291 Old Post Road  
Ulster Park NY, 12487  
**Attention: Deborah Thompson**

Report Date: 07/23/2020  
**Client Project ID: LL Fuel Storage 74 Griff Court South Fallsburg, NY**  
York Project (SDG) No.: 20G0477

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
www.YORKLAB.com

STRATFORD, CT 06615  
(203) 325-1371

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

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 07/23/2020  
Client Project ID: LL Fuel Storage 74 Griff Court South Fallsburg, NY  
York Project (SDG) No.: 20G0477

**DT Consulting Services**  
1291 Old Post Road  
Ulster Park NY, 12487  
Attention: Deborah Thompson

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 14, 2020 with a temperature of 3.4 C. The project was identified as your project: **LL Fuel Storage 74 Griff Court South Fallsburg, NY.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20G0477-01	SP-1	Soil	07/10/2020	07/14/2020
20G0477-02	SP-2	Soil	07/10/2020	07/14/2020
20G0477-03	SP-3	Soil	07/10/2020	07/14/2020
20G0477-04	SP-4	Soil	07/10/2020	07/14/2020
20G0477-05	SP-5	Soil	07/10/2020	07/14/2020
20G0477-06	SP-6	Soil	07/10/2020	07/14/2020
20G0477-07	SP-7	Soil	07/10/2020	07/14/2020
20G0477-08	SP-8	Soil	07/10/2020	07/14/2020
20G0477-09	SP-9	Soil	07/10/2020	07/14/2020
20G0477-10	Groundwater Excavation	Water	07/10/2020	07/14/2020

## **General Notes for York Project (SDG) No.: 20G0477**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 07/23/2020





### Sample Information

**Client Sample ID:** SP-1

**York Sample ID:** 20G0477-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 10:50 am

07/14/2020

### Volatile Organics, CP-51 (formerly STARS) List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	61000		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
108-67-8	1,3,5-Trimethylbenzene	9700		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
71-43-2	Benzene	ND		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
100-41-4	Ethyl Benzene	41000		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
98-82-8	Isopropylbenzene	7300		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
91-20-3	Naphthalene	31000		ug/kg dry	1200	4900	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2020 06:34	07/21/2020 21:03	TMP
104-51-8	n-Butylbenzene	11000		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
103-65-1	n-Propylbenzene	24000		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
95-47-6	o-Xylene	ND		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 21:03	TMP
179601-23-1	p- & m- Xylenes	3500		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 21:03	TMP
99-87-6	p-Isopropyltoluene	3900	QL-02	ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
135-98-8	sec-Butylbenzene	5500	QL-02	ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
98-06-6	tert-Butylbenzene	7700		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
108-88-3	Toluene	ND		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
1330-20-7	Xylenes, Total	3500		ug/kg dry	1200	2400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:03	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	79.0 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	97.4 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	100 %			76-130						

### Semi-Volatiles, CP-51 (formerly STARS) List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE				RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166				ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** SP-1

**York Sample ID:** 20G0477-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 10:50 am

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1500		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
208-96-8	Acenaphthylene	490		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
120-12-7	Anthracene	810		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
218-01-9	Chrysene	47	J	ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
206-44-0	Fluoranthene	180		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
86-73-7	Fluorene	2700		ug/kg dry	44	89	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
91-20-3	Naphthalene	13000		ug/kg dry	440	890	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 15:09	OW
85-01-8	Phenanthrene	5700		ug/kg dry	440	890	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 15:09	OW
129-00-0	Pyrene	540		ug/kg dry	44	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:15	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	283 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	81.7 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.9 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
---------	-----------	--------	------	-------	--------------------	----------	------------------	-----------------------	-----------------------	---------





### Sample Information

**Client Sample ID:** SP-1

**York Sample ID:** 20G0477-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 10:50 am

07/14/2020

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.5		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** SP-2

**York Sample ID:** 20G0477-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:00 am

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	36000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
108-67-8	1,3,5-Trimethylbenzene	5000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
71-43-2	Benzene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
100-41-4	Ethyl Benzene	13000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
98-82-8	Isopropylbenzene	3600		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
91-20-3	Naphthalene	20000		ug/kg dry	1300	5200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2020 06:34	07/21/2020 21:57	TMP
104-51-8	n-Butylbenzene	6000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
103-65-1	n-Propylbenzene	13000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
95-47-6	o-Xylene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 21:57	TMP
179601-23-1	p- & m- Xylenes	7800		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 21:57	TMP
99-87-6	p-Isopropyltoluene	2300	QL-02, J	ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
135-98-8	sec-Butylbenzene	3200	QL-02	ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP



### Sample Information

**Client Sample ID:** SP-2

**York Sample ID:** 20G0477-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:00 am

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
1330-20-7	Xylenes, Total	7800		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 21:57	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	94.7 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	97.0 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	100 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1000		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
208-96-8	Acenaphthylene	340		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
120-12-7	Anthracene	570		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
56-55-3	Benzo(a)anthracene	66	J	ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
205-99-2	Benzo(b)fluoranthene	49	J	ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
218-01-9	Chrysene	71	J	ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
206-44-0	Fluoranthene	180		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
86-73-7	Fluorene	1800		ug/kg dry	45	91	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
91-20-3	Naphthalene	650		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW



### Sample Information

Client Sample ID: SP-2

York Sample ID: 20G0477-02

<u>York Project (SDG) No.</u> 20G0477	<u>Client Project ID</u> LL Fuel Storage 74 Griff Court South Fallsburg, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 10, 2020 11:00 am	<u>Date Received</u> 07/14/2020
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#### Semi-Volatiles, CP-51 (formerly STARS) List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	4300		ug/kg dry	110	230	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 15:41	OW
129-00-0	Pyrene	450		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 17:48	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	59.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.2 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.5 %			24-116						

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.1		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

Client Sample ID: SP-3

York Sample ID: 20G0477-03

<u>York Project (SDG) No.</u> 20G0477	<u>Client Project ID</u> LL Fuel Storage 74 Griff Court South Fallsburg, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 10, 2020 11:35 am	<u>Date Received</u> 07/14/2020
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#### Volatile Organics, CP-51 (formerly STARS) List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	40		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
108-67-8	1,3,5-Trimethylbenzene	790	VOA-E	ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
100-41-4	Ethyl Benzene	4.0	J	ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	3.4	J	ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
91-20-3	Naphthalene	32		ug/kg dry	2.3	9.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/17/2020 06:41	07/20/2020 19:44	TMP



### Sample Information

**Client Sample ID:** SP-3

**York Sample ID:** 20G0477-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:35 am

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
95-47-6	<b>o-Xylene</b>	<b>4.4</b>	J	ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/17/2020 06:41	07/20/2020 19:44	TMP
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>17</b>		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/17/2020 06:41	07/20/2020 19:44	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
1330-20-7	<b>Xylenes, Total</b>	<b>21</b>		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:41	07/20/2020 19:44	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	92.0 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	98.2 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	116 %	76-130								

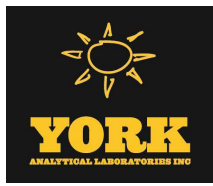
**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	<b>Acenaphthene</b>	<b>95</b>		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
120-12-7	<b>Anthracene</b>	<b>62</b>	J	ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW



### Sample Information

**Client Sample ID:** SP-3

**York Sample ID:** 20G0477-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:35 am

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
218-01-9	Chrysene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
206-44-0	Fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
86-73-7	<b>Fluorene</b>	<b>210</b>		ug/kg dry	45	90	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
91-20-3	<b>Naphthalene</b>	<b>89</b>	J	ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
85-01-8	<b>Phenanthrene</b>	<b>410</b>		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
129-00-0	<b>Pyrene</b>	<b>52</b>	J	ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 18:21	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	99.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	78.5 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	90.2 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	<b>90.3</b>		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** SP-4

**York Sample ID:** 20G0477-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:41 am

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE				RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166				ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** SP-4

**York Sample ID:** 20G0477-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:41 am

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	22000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 21:25	TMP
108-67-8	1,3,5-Trimethylbenzene	1300		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
71-43-2	Benzene	1200		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
100-41-4	Ethyl Benzene	5900		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
98-82-8	Isopropylbenzene	820		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
91-20-3	Naphthalene	5100		ug/kg dry	220	860	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/22/2020 06:45	07/22/2020 20:59	TMP
104-51-8	n-Butylbenzene	1600		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
103-65-1	n-Propylbenzene	3100		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
95-47-6	o-Xylene	540		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/22/2020 06:45	07/22/2020 20:59	TMP
179601-23-1	p- & m- Xylenes	5900		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/22/2020 06:45	07/22/2020 20:59	TMP
99-87-6	p-Isopropyltoluene	520		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
135-98-8	sec-Butylbenzene	710		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
108-88-3	Toluene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
1330-20-7	Xylenes, Total	6400		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 06:45	07/22/2020 20:59	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	96.9 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	99.5 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615							132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371							FAX (203) 357-0166			ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** SP-4

**York Sample ID:** 20G0477-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:41 am

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	150		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
120-12-7	Anthracene	80	J	ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
218-01-9	Chrysene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
206-44-0	Fluoranthene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
86-73-7	Fluorene	290		ug/kg dry	68	140	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
91-20-3	Naphthalene	780		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
85-01-8	Phenanthrene	570		ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
129-00-0	Pyrene	73	J	ug/kg dry	68	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 19:59	OW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	85.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.4 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.4 %			24-116						

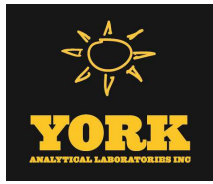
**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** SP-4

**York Sample ID:** 20G0477-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:41 am

07/14/2020

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.7		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** SP-5

**York Sample ID:** 20G0477-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:45 am

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	3600		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
108-67-8	1,3,5-Trimethylbenzene	9800		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
71-43-2	Benzene	3600		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
100-41-4	Ethyl Benzene	17000		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
98-82-8	Isopropylbenzene	2300		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
91-20-3	Naphthalene	15000	QL-02	ug/kg dry	670	2700	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/22/2020 00:40	07/22/2020 04:45	TMP
104-51-8	n-Butylbenzene	4200		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
103-65-1	n-Propylbenzene	7400		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
95-47-6	o-Xylene	1200	J	ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/22/2020 00:40	07/22/2020 04:45	TMP
179601-23-1	p- & m- Xylenes	7800		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/22/2020 00:40	07/22/2020 04:45	TMP
99-87-6	p-Isopropyltoluene	1600		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
135-98-8	sec-Butylbenzene	1800		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP





### Sample Information

**Client Sample ID:** SP-5

**York Sample ID:** 20G0477-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:45 am

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
1330-20-7	Xylenes, Total	8900		ug/kg dry	670	1300	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/22/2020 00:40	07/22/2020 04:45	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	75.5 %	S-03		77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	108 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	910		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
208-96-8	Acenaphthylene	320		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
120-12-7	Anthracene	500		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
218-01-9	Chrysene	55	J	ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
206-44-0	Fluoranthene	180		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
86-73-7	Fluorene	1600		ug/kg dry	46	92	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
91-20-3	Naphthalene	8100		ug/kg dry	230	460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 16:13	OW



### Sample Information

Client Sample ID: SP-5

York Sample ID: 20G0477-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 11:45 am

07/14/2020

#### Semi-Volatiles, CP-51 (formerly STARS) List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	3300		ug/kg dry	230	460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 16:13	OW
129-00-0	Pyrene	400		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 20:31	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	225 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.2 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.0 %			24-116						

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.0		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

Client Sample ID: SP-6

York Sample ID: 20G0477-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:01 pm

07/14/2020

#### Volatile Organics, CP-51 (formerly STARS) List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	150000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
108-67-8	1,3,5-Trimethylbenzene	44000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
71-43-2	Benzene	4200	J	ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
100-41-4	Ethyl Benzene	48000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
98-82-8	Isopropylbenzene	6100		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
91-20-3	Naphthalene	29000	QL-02	ug/kg dry	2600	10000	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/21/2020 09:46	07/22/2020 05:40	TMP



### Sample Information

**Client Sample ID:** SP-6

**York Sample ID:** 20G0477-06

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:01 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	11000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
103-65-1	n-Propylbenzene	20000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
95-47-6	o-Xylene	47000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/21/2020 09:46	07/22/2020 05:40	TMP
179601-23-1	p- & m- Xylenes	160000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/21/2020 09:46	07/22/2020 05:40	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
135-98-8	sec-Butylbenzene	3100	J	ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
108-88-3	Toluene	4700	J	ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
1330-20-7	Xylenes, Total	210000		ug/kg dry	2600	5200	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/21/2020 09:46	07/22/2020 05:40	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	79.0 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	76-130								

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	200		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
208-96-8	Acenaphthylene	79	J	ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
120-12-7	Anthracene	100		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
56-55-3	Benzo(a)anthracene	59	J	ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
205-99-2	Benzo(b)fluoranthene	63	J	ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW



### Sample Information

**Client Sample ID:** SP-6

**York Sample ID:** 20G0477-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:01 pm

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
218-01-9	Chrysene	80	J	ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
206-44-0	Fluoranthene	170		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
86-73-7	Fluorene	350		ug/kg dry	48	96	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
91-20-3	Naphthalene	16000		ug/kg dry	480	960	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/21/2020 12:55	OW
85-01-8	Phenanthrene	620		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
129-00-0	Pyrene	180		ug/kg dry	48	96	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:03	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	62.2 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	89.9 %			21-113						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	94.6 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.1		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** SP-7

**York Sample ID:** 20G0477-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:15 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166		ClientServices@yorklab.com		



### Sample Information

**Client Sample ID:** SP-7

**York Sample ID:** 20G0477-07

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:15 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	140000		ug/kg dry	5200	10000	2000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:57	TMP
108-67-8	1,3,5-Trimethylbenzene	6900		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
71-43-2	Benzene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
100-41-4	Ethyl Benzene	34000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
98-82-8	Isopropylbenzene	4900		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
91-20-3	Naphthalene	28000		ug/kg dry	1300	5200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/23/2020 06:23	07/23/2020 14:37	TMP
104-51-8	n-Butylbenzene	9200		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
103-65-1	n-Propylbenzene	18000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
95-47-6	o-Xylene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/23/2020 06:23	07/23/2020 14:37	TMP
179601-23-1	p- & m- Xylenes	15000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/23/2020 06:23	07/23/2020 14:37	TMP
99-87-6	p-Isopropyltoluene	2900		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
135-98-8	sec-Butylbenzene	4100		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
108-88-3	Toluene	ND		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
1330-20-7	Xylenes, Total	15000		ug/kg dry	1300	2600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 14:37	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.6 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.3 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615										
www.YORKLAB.com	(203) 325-1371						132-02 89th AVENUE				RICHMOND HILL, NY 11418
							FAX (203) 357-0166				ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** SP-7

**York Sample ID:** 20G0477-07

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:15 pm

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1400		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
208-96-8	Acenaphthylene	380		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
120-12-7	Anthracene	620		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
218-01-9	Chrysene	57	J	ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
206-44-0	Fluoranthene	150		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
86-73-7	Fluorene	2100		ug/kg dry	45	89	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
91-20-3	Naphthalene	6800		ug/kg dry	220	450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 17:16	OW
85-01-8	Phenanthrene	4300		ug/kg dry	220	450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 17:16	OW
129-00-0	Pyrene	420		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 21:35	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	235 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.3 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.2 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** SP-7

**York Sample ID:** 20G0477-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:15 pm

07/14/2020

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.7		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** SP-8

**York Sample ID:** 20G0477-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:25 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	25000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 16:23	TMP
108-67-8	1,3,5-Trimethylbenzene	14000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
71-43-2	Benzene	2700		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
100-41-4	Ethyl Benzene	68000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
98-82-8	Isopropylbenzene	8400		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
91-20-3	Naphthalene	36000		ug/kg dry	1100	4400	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/23/2020 06:23	07/23/2020 15:04	TMP
104-51-8	n-Butylbenzene	15000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
103-65-1	n-Propylbenzene	30000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
95-47-6	o-Xylene	1900	J	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/23/2020 06:23	07/23/2020 15:04	TMP
179601-23-1	p- & m- Xylenes	46000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/23/2020 06:23	07/23/2020 15:04	TMP
99-87-6	p-Isopropyltoluene	4200		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
135-98-8	sec-Butylbenzene	6200		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP



### Sample Information

**Client Sample ID:** SP-8

**York Sample ID:** 20G0477-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:25 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
1330-20-7	Xylenes, Total	48000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/23/2020 06:23	07/23/2020 15:04	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	100 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	98.6 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	95.9 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

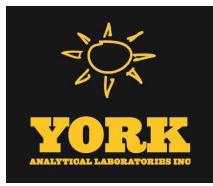
**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1100		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
208-96-8	Acenaphthylene	390		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
120-12-7	Anthracene	640		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
218-01-9	Chrysene	50	J	ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
206-44-0	Fluoranthene	150		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
86-73-7	Fluorene	2100		ug/kg dry	46	91	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:10	OW
91-20-3	Naphthalene	6600		ug/kg dry	230	460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 17:48	OW





Sample Information

Client Sample ID: SP-8

York Sample ID: 20G0477-08

York Project (SDG) No. 20G0477 Client Project ID LL Fuel Storage 74 Griff Court South Fallsburg, NY Matrix Soil Collection Date/Time July 10, 2020 12:25 pm Date Received 07/14/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Phenanthrene, Pyrene, and Surrogate Recoveries (Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14).

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: solids \* % Solids 89.7 % 0.100 1 SM 2540G CTDOH.

Sample Information

Client Sample ID: SP-9

York Sample ID: 20G0477-09

York Project (SDG) No. 20G0477 Client Project ID LL Fuel Storage 74 Griff Court South Fallsburg, NY Matrix Soil Collection Date/Time July 10, 2020 12:35 pm Date Received 07/14/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Benzene, Ethyl Benzene, Isopropylbenzene, Methyl tert-butyl ether (MTBE), and Naphthalene.



### Sample Information

**Client Sample ID:** SP-9

**York Sample ID:** 20G0477-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:35 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 02:34	TMP
103-65-1	n-Propylbenzene	22000		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 02:34	TMP
95-47-6	o-Xylene	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 02:34	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 02:34	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 02:34	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 02:34	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 02:34	TMP
108-88-3	Toluene	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 02:34	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	890	1800	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 02:34	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	72.4 %	S-03		77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1700		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
208-96-8	Acenaphthylene	550		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
120-12-7	Anthracene	940		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
56-55-3	Benzo(a)anthracene	48	J	ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW



### Sample Information

**Client Sample ID:** SP-9

**York Sample ID:** 20G0477-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 10, 2020 12:35 pm

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
218-01-9	Chrysene	68	J	ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
206-44-0	Fluoranthene	230		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
86-73-7	Fluorene	3200		ug/kg dry	230	460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 18:19	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
91-20-3	Naphthalene	17000		ug/kg dry	460	910	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/21/2020 13:26	OW
85-01-8	Phenanthrene	6900		ug/kg dry	230	460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 18:19	OW
129-00-0	Pyrene	670		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 22:42	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	305 %	S-08		22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	78.5 %			21-113						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	79.0 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.8		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** Groundwater Excavation

**York Sample ID:** 20G0477-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Water

July 10, 2020 10:30 am

07/14/2020

**Volatile Organics, CP-51 (STARS) Low level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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120 RESEARCH DRIVE

STRATFORD, CT 06615

132-02 89th AVENUE

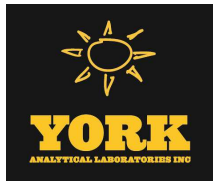
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** Groundwater Excavation

**York Sample ID:** 20G0477-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Water

July 10, 2020 10:30 am

07/14/2020

**Volatile Organics, CP-51 (STARS) Low level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	47		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:36	07/20/2020 19:41	TMP
108-67-8	1,3,5-Trimethylbenzene	62		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
71-43-2	Benzene	510		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
100-41-4	Ethyl Benzene	330		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
98-82-8	Isopropylbenzene	37		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	55		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
91-20-3	Naphthalene	270	CCV-E , QL-02	ug/L	5.0	10	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/16/2020 09:00	07/16/2020 21:29	TMP
104-51-8	n-Butylbenzene	23		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
103-65-1	n-Propylbenzene	130		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
95-47-6	o-Xylene	13		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/16/2020 09:00	07/16/2020 21:29	TMP
179601-23-1	p- & m- Xylenes	140		ug/L	2.5	5.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/16/2020 09:00	07/16/2020 21:29	TMP
99-87-6	p-Isopropyltoluene	13		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
135-98-8	sec-Butylbenzene	16		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
108-88-3	Toluene	12		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
1330-20-7	Xylenes, Total	160		ug/L	3.0	7.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/16/2020 09:00	07/16/2020 21:29	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	99.2 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	104 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	114 %			79-122						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Groundwater Excavation

**York Sample ID:** 20G0477-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0477

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Water

July 10, 2020 10:30 am

07/14/2020

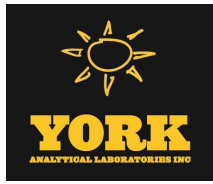
**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	44	J	ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
208-96-8	Acenaphthylene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
120-12-7	Anthracene	29	J	ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
218-01-9	Chrysene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
206-44-0	Fluoranthene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
86-73-7	Fluorene	99		ug/L	27	54	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCV-H	ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
91-20-3	Naphthalene	960		ug/L	140	270	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/20/2020 10:30	OW
85-01-8	Phenanthrene	210		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
129-00-0	Pyrene	ND		ug/L	27	54	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 08:03	07/17/2020 21:13	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	186 %	S-01			50.2-113					
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	66.0 %			39.9-105						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	63.6 %			30.7-106						



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20G0477-01	SP-1	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-02	SP-2	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-03	SP-3	40mL Vial with Stir Bar-Cool 4° C
20G0477-04	SP-4	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-05	SP-5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-06	SP-6	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-07	SP-7	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-08	SP-8	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-09	SP-9	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0477-10	Groundwater Excavation	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

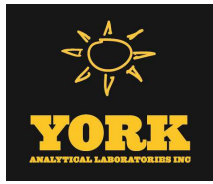


## Sample and Data Qualifiers Relating to This Work Order

VOA-E	The concentration reported for this analyte is an estimated value above the linear range of the instrument for EPA SW846-5035/8260 (>200ppb). Re-analysis using 5035/8260 medium level prep. resulted in a detection below the reporting limit (<500ppb).
S-08	The recovery of this surrogate was outside of QC limits.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW -846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

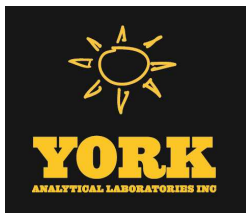
Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

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

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# Technical Report

prepared for:

**DT Consulting Services**  
1291 Old Post Road  
Ulster Park NY, 12487  
**Attention: Deborah Thompson**

Report Date: 07/21/2020  
**Client Project ID: LL Fuel Storage 74 Griff Court South Fallsburg, NY**  
York Project (SDG) No.: 20G0479

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
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STRATFORD, CT 06615  
(203) 325-1371

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

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 07/21/2020  
Client Project ID: LL Fuel Storage 74 Griff Court South Fallsburg, NY  
York Project (SDG) No.: 20G0479

**DT Consulting Services**  
1291 Old Post Road  
Ulster Park NY, 12487  
Attention: Deborah Thompson

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 14, 2020 with a temperature of 3.4 C. The project was identified as your project: **LL Fuel Storage 74 Griff Court South Fallsburg, NY.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20G0479-01	SP-10	Soil	07/13/2020	07/14/2020
20G0479-02	SP-11	Soil	07/13/2020	07/14/2020
20G0479-03	SP-12	Soil	07/13/2020	07/14/2020
20G0479-04	SP-13	Soil	07/13/2020	07/14/2020

## **General Notes for York Project (SDG) No.: 20G0479**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 07/21/2020





### Sample Information

**Client Sample ID:** SP-10

**York Sample ID:** 20G0479-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
20G0479	LL Fuel Storage 74 Griff Court South Fallsburg, NY	Soil	July 13, 2020 12:00 pm	07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	130		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
108-67-8	1,3,5-Trimethylbenzene	130		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
100-41-4	Ethyl Benzene	8.2		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
91-20-3	Naphthalene	27		ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	07/17/2020 06:46	07/18/2020 11:17	TMP
104-51-8	n-Butylbenzene	3.3	J	ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
103-65-1	n-Propylbenzene	2.8	J	ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
95-47-6	o-Xylene	5.2	J	ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/17/2020 06:46	07/18/2020 11:17	TMP
179601-23-1	p- & m- Xylenes	25		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/17/2020 06:46	07/18/2020 11:17	TMP
99-87-6	p-Isopropyltoluene	12		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
135-98-8	sec-Butylbenzene	2.9	J	ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
1330-20-7	Xylenes, Total	30		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/17/2020 06:46	07/18/2020 11:17	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	55.9 %	IS-HI, S-03			77-125					
2037-26-5	Surrogate: SURRE: Toluene-d8	97.2 %				85-120					
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %				76-130					

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615							132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com	(203) 325-1371							FAX (203) 357-0166		ClientServices@yorklab.com	



### Sample Information

**Client Sample ID:** SP-10

**York Sample ID:** 20G0479-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0479

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 13, 2020 12:00 pm

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	770		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
208-96-8	Acenaphthylene	300		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
120-12-7	Anthracene	1000		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
56-55-3	Benzo(a)anthracene	2200		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
50-32-8	Benzo(a)pyrene	2000		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
205-99-2	Benzo(b)fluoranthene	1800		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
191-24-2	Benzo(g,h,i)perylene	1000		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
207-08-9	Benzo(k)fluoranthene	1600		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
218-01-9	Chrysene	2000		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
53-70-3	Dibenzo(a,h)anthracene	480		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
206-44-0	Fluoranthene	4600		ug/kg dry	110	220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 18:50	OW
86-73-7	Fluorene	1400		ug/kg dry	45	89	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
193-39-5	Indeno(1,2,3-cd)pyrene	1100		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
91-20-3	Naphthalene	230		ug/kg dry	45	89	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:14	OW
85-01-8	Phenanthrene	4900		ug/kg dry	110	220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 18:50	OW
129-00-0	Pyrene	3600		ug/kg dry	110	220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 18:50	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	116 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	58.0 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.8 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.9		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM



### Sample Information

<b>Client Sample ID:</b> SP-10				<b>York Sample ID:</b> 20G0479-01
<u>York Project (SDG) No.</u> 20G0479	<u>Client Project ID</u> LL Fuel Storage 74 Griff Court South Fallsburg, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 13, 2020 12:00 pm	<u>Date Received</u> 07/14/2020

### Sample Information

<b>Client Sample ID:</b> SP-11				<b>York Sample ID:</b> 20G0479-02
<u>York Project (SDG) No.</u> 20G0479	<u>Client Project ID</u> LL Fuel Storage 74 Griff Court South Fallsburg, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 13, 2020 12:30 pm	<u>Date Received</u> 07/14/2020

### Volatile Organics, CP-51 (formerly STARS) List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	220000		ug/kg dry	4400	8700	2000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 15:33	TMP
108-67-8	1,3,5-Trimethylbenzene	8900		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
71-43-2	Benzene	1200	J	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
100-41-4	Ethyl Benzene	15000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
98-82-8	Isopropylbenzene	2800		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
91-20-3	Naphthalene	25000		ug/kg dry	1100	4400	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2020 06:34	07/21/2020 03:29	TMP
104-51-8	n-Butylbenzene	6000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
103-65-1	n-Propylbenzene	7800		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
95-47-6	o-Xylene	1500	J	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 03:29	TMP
179601-23-1	p- & m- Xylenes	16000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 03:29	TMP
99-87-6	p-Isopropyltoluene	4300		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
135-98-8	sec-Butylbenzene	4000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
108-88-3	Toluene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
1330-20-7	Xylenes, Total	17000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:29	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	80.5 %	77-125								



## Sample Information

**Client Sample ID:** SP-11

**York Sample ID:** 20G0479-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0479

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 13, 2020 12:30 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	105 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	2200		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
208-96-8	Acenaphthylene	650		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
120-12-7	Anthracene	1100		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
56-55-3	Benzo(a)anthracene	110		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
50-32-8	Benzo(a)pyrene	54	J	ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
205-99-2	Benzo(b)fluoranthene	79	J	ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
191-24-2	Benzo(g,h,i)perylene	49	J	ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
207-08-9	Benzo(k)fluoranthene	56	J	ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
218-01-9	Chrysene	140		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
206-44-0	Fluoranthene	400		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
86-73-7	Fluorene	4300		ug/kg dry	230	470	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 19:22	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW
91-20-3	Naphthalene	9700		ug/kg dry	230	470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 19:22	OW
85-01-8	Phenanthrene	8900		ug/kg dry	230	470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 19:22	OW
129-00-0	Pyrene	950		ug/kg dry	47	93	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/17/2020 23:48	OW

Surrogate Recoveries	Result	Acceptance Range
4165-60-0 Surrogate: SURRE: Nitrobenzene-d5	468 %	S-08 22-108
321-60-8 Surrogate: SURRE: 2-Fluorobiphenyl	79.6 %	21-113
1718-51-0 Surrogate: SURRE: Terphenyl-d14	82.6 %	24-116





### Sample Information

**Client Sample ID:** SP-11

**York Sample ID:** 20G0479-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0479

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 13, 2020 12:30 pm

07/14/2020

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** SP-12

**York Sample ID:** 20G0479-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0479

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 13, 2020 12:45 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	4100		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
108-67-8	1,3,5-Trimethylbenzene	470	J	ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
71-43-2	Benzene	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
100-41-4	Ethyl Benzene	720		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
91-20-3	Naphthalene	1500		ug/kg dry	270	1100	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2020 06:34	07/21/2020 03:56	TMP
104-51-8	n-Butylbenzene	400	J	ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
103-65-1	n-Propylbenzene	480	J	ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
95-47-6	o-Xylene	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 03:56	TMP
179601-23-1	p- & m- Xylenes	420	J	ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 03:56	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP



### Sample Information

**Client Sample ID:** SP-12

**York Sample ID:** 20G0479-03

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

20G0479

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 13, 2020 12:45 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
108-88-3	Toluene	ND		ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
1330-20-7	<b>Xylenes, Total</b>	<b>420</b>	J	ug/kg dry	270	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 03:56	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	98.0 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	99.9 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	105 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	<b>Acenaphthene</b>	<b>150</b>		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
208-96-8	<b>Acenaphthylene</b>	<b>50</b>	J	ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
120-12-7	<b>Anthracene</b>	<b>100</b>		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
218-01-9	Chrysene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
206-44-0	Fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
86-73-7	<b>Fluorene</b>	<b>270</b>		ug/kg dry	47	94	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW



### Sample Information

**Client Sample ID:** SP-12

**York Sample ID:** 20G0479-03

<u>York Project (SDG) No.</u> 20G0479	<u>Client Project ID</u> LL Fuel Storage 74 Griff Court South Fallsburg, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 13, 2020 12:45 pm	<u>Date Received</u> 07/14/2020
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**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	53	J	ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
85-01-8	Phenanthrene	520		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
129-00-0	Pyrene	95		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:22	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	108 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	85.3 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.2 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.8		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:10	07/15/2020 15:36	WJM

### Sample Information

**Client Sample ID:** SP-13

**York Sample ID:** 20G0479-04

<u>York Project (SDG) No.</u> 20G0479	<u>Client Project ID</u> LL Fuel Storage 74 Griff Court South Fallsburg, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 13, 2020 4:40 pm	<u>Date Received</u> 07/14/2020
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**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
108-67-8	1,3,5-Trimethylbenzene	570		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
71-43-2	Benzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
100-41-4	Ethyl Benzene	2600		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
98-82-8	Isopropylbenzene	4000		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP



### Sample Information

**Client Sample ID:** SP-13

**York Sample ID:** 20G0479-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0479

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 13, 2020 4:40 pm

07/14/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	2900		ug/kg dry	240	950	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/20/2020 06:34	07/21/2020 04:23	TMP
104-51-8	n-Butylbenzene	5800		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
103-65-1	n-Propylbenzene	13000		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
95-47-6	o-Xylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 04:23	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/20/2020 06:34	07/21/2020 04:23	TMP
99-87-6	p-Isopropyltoluene	1600		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
135-98-8	sec-Butylbenzene	3300		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
108-88-3	Toluene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/20/2020 06:34	07/21/2020 04:23	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	58.3 %	S-03		77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	109 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1000		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
208-96-8	Acenaphthylene	290		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
120-12-7	Anthracene	500		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW



### Sample Information

**Client Sample ID:** SP-13

**York Sample ID:** 20G0479-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0479

LL Fuel Storage 74 Griff Court South Fallsburg, NY

Soil

July 13, 2020 4:40 pm

07/14/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
218-01-9	Chrysene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
206-44-0	<b>Fluoranthene</b>	<b>100</b>		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
86-73-7	<b>Fluorene</b>	<b>1600</b>		ug/kg dry	46	92	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
91-20-3	<b>Naphthalene</b>	<b>1600</b>		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
85-01-8	<b>Phenanthrene</b>	<b>3700</b>		ug/kg dry	120	230	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/20/2020 19:53	OW
129-00-0	<b>Pyrene</b>	<b>270</b>		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/17/2020 05:52	07/18/2020 00:58	OW
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	169 %	S-08	22-108							
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	77.4 %		21-113							
1718-51-0	Surrogate: SURRE: Terphenyl-d14	83.9 %		24-116							

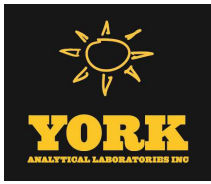
**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	<b>* % Solids</b>	<b>88.0</b>		%	0.100	1	SM 2540G Certifications: CTDOH	07/15/2020 08:12	07/15/2020 16:17	WJM



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20G0479-01	SP-10	40mL Vial with Stir Bar-Cool 4° C
20G0479-02	SP-11	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0479-03	SP-12	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0479-04	SP-13	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

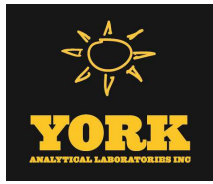
S-08	The recovery of this surrogate was outside of QC limits.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.

### Definitions and Other Explanations

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

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

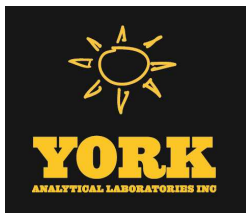
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**DT CONSULTING SERVICES, INC.**

**STAGED SOIL  
TECHNICAL REPORTING**



# Technical Report

prepared for:

**DT Consulting Services**  
1291 Old Post Road  
Ulster Park NY, 12487  
**Attention: Deborah Thompson**

Report Date: 07/17/2020  
**Client Project ID: 74 Griff Court South Fallsburg, NY**  
York Project (SDG) No.: 20G0369

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
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(203) 325-1371

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

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 07/17/2020  
Client Project ID: 74 Griff Court South Fallsburg, NY  
York Project (SDG) No.: 20G0369

**DT Consulting Services**  
1291 Old Post Road  
Ulster Park NY, 12487  
Attention: Deborah Thompson

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 10, 2020 with a temperature of 2.1 C. The project was identified as your project: **74 Griff Court South Fallsburg, NY.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20G0369-01	Staged Soil I	Soil	07/08/2020	07/10/2020
20G0369-02	Staged Soil II	Soil	07/08/2020	07/10/2020
20G0369-03	Staged Soil I + II	Soil	07/08/2020	07/10/2020

## **General Notes for York Project (SDG) No.: 20G0369**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 07/17/2020





### Sample Information

**Client Sample ID:** Staged Soil I

**York Sample ID:** 20G0369-01

<u>York Project (SDG) No.</u> 20G0369	<u>Client Project ID</u> 74 Griff Court South Fallsburg, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 8, 2020 12:40 pm	<u>Date Received</u> 07/10/2020
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**Volatile Organics, TCLP RCRA List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
78-93-3	2-Butanone	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
71-43-2	Benzene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
108-90-7	Chlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
67-66-3	Chloroform	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
127-18-4	Tetrachloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
79-01-6	Trichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:16	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	99.5 %	77-125
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	97.1 %	76-130
2037-26-5	Surrogate: SURRE: Toluene-d8	97.1 %	85-120

**Semi-Volatiles, TCLP RCRA Target List**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	6.45	10.0	1	EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	7.22	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	6.54	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	4.73	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW



### Sample Information

**Client Sample ID:** Staged Soil I

**York Sample ID:** 20G0369-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 12:40 pm

07/10/2020

**Semi-Volatiles, TCLP RCRA Target List**

**Log-in Notes:**

**Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	1.71	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	7.43	20.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
1319-77-3	Cresols, total	ND		ug/L	7.40	30.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854	07/14/2020 14:42	07/15/2020 13:49	OW
118-74-1	Hexachlorobenzene	ND		ug/L	5.91	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	6.62	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
67-72-1	Hexachloroethane	ND		ug/L	7.26	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
98-95-3	Nitrobenzene	ND		ug/L	3.93	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
87-86-5	Pentachlorophenol	ND	CCV-L	ug/L	7.53	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
110-86-1	Pyridine	ND		ug/L	6.37	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:49	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	61.0 %			10-90.9						
4165-62-2	Surrogate: SURRE: Phenol-d5	49.7 %			10-69.2						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	97.9 %			19.2-141						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	79.0 %			24.8-127						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	94.9 %			23-163						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	90.5 %			25.8-110						

**Pesticides, TCLP RCRA List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/L	0.222	0.222	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:33	CM
72-20-8	Endrin	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:33	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:33	CM
76-44-8	Heptachlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:33	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:33	CM



### Sample Information

**Client Sample ID:** Staged Soil I

**York Sample ID:** 20G0369-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 12:40 pm

07/10/2020

**Pesticides, TCLP RCRA List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:33	CM
8001-35-2	Toxaphene	ND		ug/L	1.11	1.11	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:33	CM
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	109 %			30-120						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.3 %			30-120						

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:46	BJ	
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:46	BJ	
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:46	BJ	
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:46	BJ	
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:46	BJ	
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:46	BJ	
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:46	BJ	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	07/15/2020 08:02	07/16/2020 14:46	BJ	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	43.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	75.5 %			30-140						

**Herbicides, TCLP Target List**

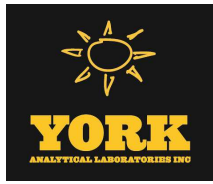
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2020 16:04	07/15/2020 18:48	BJ	
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2020 16:04	07/15/2020 18:48	BJ	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						





### Sample Information

**Client Sample ID:** Staged Soil I

**York Sample ID:** 20G0369-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 12:40 pm

07/10/2020

**Herbicides, TCLP Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	55.6 %			10-150					

**Total Petroleum Hydrocarbons-DRO (C10-C28)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Total Petroleum Hydrocarbons-DRO</b>	<b>6680</b>		mg/kg dry	10.9	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 07:58	07/14/2020 23:56	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
638-68-6	Surrogate: Triacontane	71.6 %			30-150					

**Total Petroleum Hydrocarbons-GRO (C5-C10)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Total Petroleum Hydrocarbons-GRO</b>	<b>1860</b>	B	mg/kg dry	21.7	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 16:01	07/15/2020 00:47	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	165 %	S-08		70-130					

**Metals, TCLP RCRA**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7439-92-1	<b>Lead</b>	<b>0.136</b>		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML



## Sample Information

**Client Sample ID:** Staged Soil I

**York Sample ID:** 20G0369-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 12:40 pm

07/10/2020

**Mercury TCLP by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854	07/14/2020 11:40	07/14/2020 14:25	SY

**Ignitability**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		None	1	1	EPA 1030P Certifications:	07/13/2020 09:16	07/13/2020 09:29	TAJ

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.3		%	0.100	1	SM 2540G Certifications: CTDOH	07/13/2020 08:05	07/13/2020 16:20	WJM

**TCLP Extraction for METALS EPA 1311**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/13/2020 14:57	07/14/2020 11:38	TAJ

**TCLP Extraction for SVOCS/PEST/HERB**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/13/2020 14:53	07/14/2020 11:35	TAJ

**TCLP Extraction for VOA by EPA 1311 ZHE**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/13/2020 14:59	07/14/2020 11:43	TAJ



### Sample Information

**Client Sample ID:** Staged Soil II

**York Sample ID:** 20G0369-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 1:38 pm

07/10/2020

**Volatile Organics, TCLP RCRA List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
78-93-3	2-Butanone	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
71-43-2	Benzene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
108-90-7	Chlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
67-66-3	Chloroform	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
79-01-6	Trichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	25	50	10	EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1:	07/14/2020 09:30	07/14/2020 14:41	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	99.3 %	77-125
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	97.7 %	76-130
2037-26-5	Surrogate: SURRE: Toluene-d8	96.4 %	85-120

**Semi-Volatiles, TCLP RCRA Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	6.45	10.0	1	EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	7.22	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	6.54	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	4.73	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW



### Sample Information

**Client Sample ID:** Staged Soil II

**York Sample ID:** 20G0369-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 1:38 pm

07/10/2020

**Semi-Volatiles, TCLP RCRA Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	1.71	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	7.43	20.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
1319-77-3	Cresols, total	ND		ug/L	7.40	30.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854	07/14/2020 14:42	07/15/2020 13:17	OW
118-74-1	Hexachlorobenzene	ND		ug/L	5.91	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	6.62	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
67-72-1	Hexachloroethane	ND		ug/L	7.26	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
98-95-3	Nitrobenzene	ND		ug/L	3.93	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
87-86-5	Pentachlorophenol	ND		ug/L	7.53	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
110-86-1	Pyridine	ND		ug/L	6.37	10.0	1	EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:42	07/15/2020 13:17	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	57.1 %			10-90.9						
4165-62-2	Surrogate: SURRE: Phenol-d5	44.7 %			10-69.2						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	94.8 %			19.2-141						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	74.1 %			24.8-127						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	88.7 %			23-163						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	90.1 %			25.8-110						

**Pesticides, TCLP RCRA List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/L	0.222	0.222	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:49	CM
72-20-8	Endrin	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:49	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:49	CM
76-44-8	Heptachlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:49	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:49	CM



### Sample Information

**Client Sample ID:** Staged Soil II

**York Sample ID:** 20G0369-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 1:38 pm

07/10/2020

**Pesticides, TCLP RCRA List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:49	CM
8001-35-2	Toxaphene	ND		ug/L	1.11	1.11	1	EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 14:34	07/15/2020 09:49	CM
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	117 %			30-120						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.6 %			30-120						

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:59	BJ	
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:59	BJ	
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:59	BJ	
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:59	BJ	
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:59	BJ	
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:59	BJ	
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/15/2020 08:02	07/16/2020 14:59	BJ	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	07/15/2020 08:02	07/16/2020 14:59	BJ	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	56.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	81.0 %			30-140						

**Herbicides, TCLP Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2020 16:04	07/15/2020 18:59	BJ	
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2020 16:04	07/15/2020 18:59	BJ	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						



### Sample Information

**Client Sample ID:** Staged Soil II

**York Sample ID:** 20G0369-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

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07/10/2020

**Herbicides, TCLP Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	61.8 %			10-150					

**Total Petroleum Hydrocarbons-DRO (C10-C28)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Total Petroleum Hydrocarbons-DRO</b>	<b>7010</b>		mg/kg dry	11.4	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 07:58	07/15/2020 00:26	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
638-68-6	Surrogate: Triacontane	76.5 %			30-150					

**Total Petroleum Hydrocarbons-GRO (C5-C10)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Total Petroleum Hydrocarbons-GRO</b>	<b>1820</b>	B	mg/kg dry	17.3	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 16:01	07/15/2020 01:24	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	186 %	S-08		70-130					

**Metals, TCLP RCRA**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7439-92-1	<b>Lead</b>	<b>0.164</b>		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML



### Sample Information

**Client Sample ID:** Staged Soil II

**York Sample ID:** 20G0369-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 1:38 pm

07/10/2020

**Mercury TCLP by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854	07/14/2020 11:40	07/14/2020 14:35	SY

**Ignitability**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		None	1	1	EPA 1030P Certifications:	07/13/2020 09:16	07/13/2020 09:29	TAJ

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.1		%	0.100	1	SM 2540G Certifications: CTDOH	07/13/2020 08:05	07/13/2020 16:20	WJM

**TCLP Extraction for METALS EPA 1311**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/13/2020 14:57	07/14/2020 11:38	TAJ

**TCLP Extraction for SVOCS/PEST/HERB**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/13/2020 14:53	07/14/2020 11:35	TAJ

**TCLP Extraction for VOA by EPA 1311 ZHE**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/13/2020 14:59	07/14/2020 11:43	TAJ



### Sample Information

**Client Sample ID:** Staged Soil I + II

**York Sample ID:** 20G0369-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 1:52 pm

07/10/2020

**Volatile Organics, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	150000		ug/kg dry	5000	10000	2000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/15/2020 09:30	07/15/2020 15:31	SS
108-67-8	1,3,5-Trimethylbenzene	9400		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
71-43-2	Benzene	810		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
100-41-4	Ethyl Benzene	21000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
98-82-8	Isopropylbenzene	3300		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
91-20-3	Naphthalene	25000		ug/kg dry	250	1000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/14/2020 09:30	07/14/2020 13:54	SS
104-51-8	n-Butylbenzene	6800		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
103-65-1	n-Propylbenzene	12000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
95-47-6	o-Xylene	1300		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/14/2020 09:30	07/14/2020 13:54	SS
179601-23-1	p- & m- Xylenes	16000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/14/2020 09:30	07/14/2020 13:54	SS
99-87-6	p-Isopropyltoluene	3000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
135-98-8	sec-Butylbenzene	3400		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
108-88-3	Toluene	370	J	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
1330-20-7	Xylenes, Total	17000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 09:30	07/14/2020 13:54	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	93.8 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	110 %			76-130						

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615							132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371							FAX (203) 357-0166			ClientServices@yorklab.com





### Sample Information

**Client Sample ID:** Staged Soil I + II

**York Sample ID:** 20G0369-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

74 Griff Court South Fallsburg, NY

Soil

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07/10/2020

**Semi-Volatiles, CP-51 (formerly STARS) List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1100		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
208-96-8	Acenaphthylene	410		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
120-12-7	Anthracene	630		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
56-55-3	Benzo(a)anthracene	67	J	ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
205-99-2	Benzo(b)fluoranthene	63	J	ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
218-01-9	Chrysene	85	J	ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
206-44-0	Fluoranthene	320		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
86-73-7	Fluorene	2200		ug/kg dry	46	92	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
91-20-3	Naphthalene	4300		ug/kg dry	120	230	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/16/2020 09:53	KH
85-01-8	Phenanthrene	4000		ug/kg dry	120	230	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/16/2020 09:53	KH
129-00-0	Pyrene	410		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 08:10	07/15/2020 20:31	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	215 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.1 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.6 %			24-116						

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.0		%	0.100	1	SM 2540G Certifications: CTDOH	07/13/2020 08:05	07/13/2020 16:20	WJM



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### Sample Information

**Client Sample ID:** Staged Soil I + II

**York Sample ID:** 20G0369-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0369

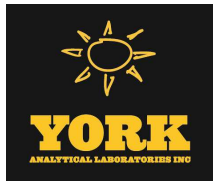
74 Griff Court South Fallsburg, NY

Soil

July 8, 2020 1:52 pm

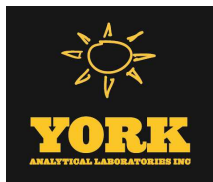
07/10/2020

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### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20G0369-01	Staged Soil I	40mL 01_Clear Vial Cool to 4° C
20G0369-01	Staged Soil I	40mL Vial with Stir Bar-Cool 4° C
20G0369-02	Staged Soil II	40mL 01_Clear Vial Cool to 4° C
20G0369-02	Staged Soil II	40mL Vial with Stir Bar-Cool 4° C
20G0369-03	Staged Soil I + II	40mL Vial with Stir Bar-Cool 4° C



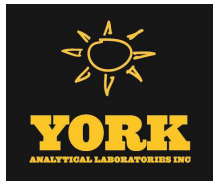
## Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IGN-01	Non-Ignit.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-COMP	Completed
CCV-L	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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# Field Chain-of-Custody Record

YORK Project No.  
 2090309

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NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT NUMBER		Turn-Around Time	
Company: DT Consulting Services Inc	Address: Inc	Company: Same	Address: Same	Company: Same	Address: Same	YOUR PROJECT NAME 74 Griff Court South Fallsburg, NY		RUSH - Next Day	Standard (5-7 Day) <input checked="" type="checkbox"/>
Phone: Deborah Thompson	Phone: Deborah Thompson	Phone: Deborah Thompson	Phone: Deborah Thompson	Phone: Deborah Thompson	Phone: Deborah Thompson	YOUR PO#:		RUSH - Two Day	
Contact: Deborah Thompson	Contact: Deborah Thompson	Contact: Deborah Thompson	Contact: Deborah Thompson	Contact: Deborah Thompson	Contact: Deborah Thompson			RUSH - Three Day	
E-mail: Deborah Thompson	E-mail: Deborah Thompson	E-mail: Deborah Thompson	E-mail: Deborah Thompson	E-mail: Deborah Thompson	E-mail: Deborah Thompson			RUSH - Four Day	
<p>Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.</p> <p>Samples Collected by: (print your name above and sign below)          Deborah Thompson          Deborah Thompson</p>									
Sample Identification	Matrix Codes	Matrix	Sample Matrix	Date/Time Sampled	Analysis Requested	Report / EDD Type (circle selections)	Report / EDD Type (circle selections)	YORK Reg. Comp.	Container Description
Staged Soil I	S	S	S	7/8/20 12:40 PM	Full TCLP, total PCBs, TPH DR0/GRO	Summary Report	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)	(4)40ml (4)40Z
Staged Soil II	S	S	S	1:38 PM	ignitability	QA Report	Excel EDD		(4)40ml (4)40Z
Staged Soil I & II	S	S	S	1:52 PM	8260 C CP-SI) 8270 CCP-SI)	NY ASP A Package	EQUIS (Standard)		(4)40ml (1)40Z
<p><b>Comments:</b></p> <p>HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___          Ascorbic Acid ___ Other: ___</p> <p>Preservation: (check all that apply)</p> <p>Date/Time: 7-10-20 11:30          Samples Relinquished by / Company: Chic</p> <p>Date/Time: 7-10-20 1435          Samples Received by / Company: Chic</p> <p>Date/Time: 7/10/20 1435          Samples Received in LAB by: HBW... 7/10/20 1435</p> <p>Date/Time: 7-10-20 1435          Samples Received by / Company: Chic</p> <p>Date/Time: 7-10-20 1435          Samples Received in LAB by: HBW... 7/10/20 1435</p>									