



Setting the Standard in Comprehensive Environmental Solutions

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December 10, 2020

Mr. Amit Kapoor
President & CEO
First Line Technology
3656 Centerview Drive, Suite 4
Chantilly, Virginia 20151

**RE: Limited Phase II Environmental Site Assessment
Stafford County Parcel 45 98
Fredericksburg, Virginia 222405**

Dear Mr. Kapoor:

Total Environmental Concepts, Inc. (TEC) has prepared this Limited Phase II Environmental Site Assessment (ESA) Report for the above referenced property on behalf of First Line Technology. This report summarizes the results of a site investigation following the Phase I ESA report dated October 2, 2020.

The ESA activities completed by TEC included the advancement of eight shallow soil borings throughout the site, and six near surface borings in the vicinity of a small shooting range located on site, and the collection of soil samples for laboratory analyses. The following paragraphs summarize the ESA investigation activities, findings and conclusions.

BACKGROUND

The site is located to the north of Warrenton Road/Route 17 beyond the northern edge of Rv Parkway in the Falmouth area of Fredericksburg, Stafford, County, Virginia (see Figure 1). The site is located approximately 0.36-miles southeast of Interstate 95 and 1.20-miles northwest of Jefferson Davis Highway (U.S. Route 1). The site comprises 5.8-acres is currently an undeveloped lot consisting of dense wooded land and is identified by the Stafford County Assessor's Office as Parcel No. 45 98.

In September 2020, TEC was contracted by First Line Technology to conduct a Phase I ESA for site. This assessment was conducted according to the American Society of Testing and Materials (ASTM) 1527-13 Phase I ESA standard. During the course of this assessment, TEC collected evidence from readily available historic records that indicated the site was utilized as a dump circa 1960s until the mid-1970s when the site reverted to being undeveloped wooded land. In a 1937 aerial photograph included as an attachment to the Phase I report, the site appeared to be accessed by a dirt road to the west, which is currently known as Hornet's Nest Lane. Purportedly this roadway was where people accessed the dump and the operators of the dump periodically burned trash instead of engaging in landfilling. Additionally, during the site assessment conducted as part of the Phase I ESA, a small shooting range was observed in the northwest portion of the site, but the extent and duration of its use could not be determined. TEC identified the former dumping operations as a Recognized Environmental Condition in connection with the site.

Based on the findings of the Phase I ESA, TEC recommended additional investigation to determine whether the surface and underlying subsurface environment of the site had been impacted by former operations. TEC subsequently prepared a proposal for a Limited Phase II ESA which included the assessment of eight points throughout the site to characterize subsurface lithology and inspect for evidence of landfilling and six additional points in the vicinity of the small shooting range. The proposal included the collection of representative subsurface soil samples from the proposed investigative points.

Given the site's history as a trash dump, TEC recommended a broad range of soil analytical testing for the test pit soil samples including total petroleum hydrocarbons in both diesel and gasoline range organics (TPH-DRO/GRO), total volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), standard metals analysis required under the Resource Conservation and Recovery Act (RCRA Metals), polychlorinated biphenyls (PCBs), polyaromatic hydrocarbons (PAHs), and dioxins. The six soil samples to be collected from the vicinity of the shooting range were to be tested for lead content exclusively.

Dioxin testing was recommended due to evidence collected during the Phase I ESA indicating the former trash dump operation had burned trash on site. Dioxins are known to be produced and introduced into the environment when materials and waste are burned. According to the United States Environmental Protection Agency (US EPA) fact sheet on dioxins, (<https://www.epa.gov/dioxin/dioxins-produced-backyard-burning>), currently backyard burning of waste materials creates higher levels of dioxins than industrial incinerators. The objective the limited Phase II ESA was to determine whether the subsurface environment had been impacted as a result of trash dumping and burning operations on the site.

A. SITE CONDITIONS ASSESSMENT

TEC mobilized to the site on October 28, 2020 to conduct the limited Phase II ESA. The initial proposed scope of work involved excavating eight test pits using a backhoe in order to view the subsurface soil and collect samples for laboratory analysis. The TEC project manager met with two TEC professionals, Ms. Anna Weatherly who conducted the Phase I ESA site inspection and Mr.

Brian Rogers who serves as a project manager and equipment operator. After conducting an initial inspection of the southeastern portion of the site, the equipment operator strongly recommended that the backhoe not be used on site due to the fact that the woods within the southern portion of the site which would have to be traversed were too dense and contained too many felled trees which serve as natural obstructions. Specifically, there was concern if the backhoe tracks became damaged and immobilized the machine it could become stranded within the wooded area without a bulldozer to clear a path to its location.

Given the concerns raised by the backhoe operator to traversing the dense woods with heavy equipment, it was decided that the TEC crew would use a hand auger to collect soil samples at the eight planned test pit locations throughout the site. A site walk was conducted in order to mark the proposed sample points. The sample locations were marked in the field using a Trimble Geo7X handheld a hand-held global positioning system (GPS) navigator. Using this GPS device, each of the eight planned sample locations were identified successfully and marked with orange cones and orange spray paint on nearby trees.

During the site inspections conducted as part of this limited Phase II ESA, many felled trees were observed within the southeastern portion of the site. On November 2, 2020, the exposed roots of two large, felled trees located in the vicinity of SB-4 and SB-5 were closely inspected and were found to be interspersed with bottles, cans, and scrap metal. The tree root balls as well as the voids left in the ground were measured and this refuse was determined to have been situated approximately 1.5 to 2.0 feet below ground surface (BGS) prior to the tree falling. In addition, while performing soil borings at both SB-4 and SB-5 within the southwest portion of the site, some glass and metal debris were observed in the soil collected by the auger cup. Some used tires were observed to be dumped in this general area. Photographs of these observations are included in Attachment A.

B. SOIL INVESTIGATION

On November 2, 2020, the TEC crew began the soil boring advancement and sampling process in the southeastern portion of the site with representative samples collected from SB-5, SB-6, SB-7, and SB-8. At each of the eight locations, a 1.4-inch diameter steel hand auger was advanced to a depth of eight to 24 inches BGS prior to sample collection. Following completion, the auger hole was backfilled using the displaced soil cuttings. The hand auger equipment was decontaminated between each sample location. Orange pin flags were marked with the corresponding sample identification and placed in the ground at each location for future reference.

On November 3, 2020, the crew returned to the site and soil samples were successfully collected from boring points SB-1, SB-2, SB-3, and SB-4 located in the central and northwestern portions of the site. The eight soil samples collected throughout the site were designated SB-1 through SB-8 and are displayed in Figure 2. Photographs of the sampling process are included in Attachment A.

On November 3, 2020, TEC collected near surface soil samples from the small shooting range located between the SB-1 and SB-2 boring points along the northwestern edge of the site. This shooting range consisted of a wooden table and a wooden frame for hanging targets located 17 feet from the table in front of a hillside. Six samples were collected using hand auger from the shooting range and from the upper six-inch soil interval and were designated SR-1 through SR-6. Two samples were collected from in front of the table where shooters would stand, two samples were collected from beneath the target frame, and two were collected from the hillside directly behind the targets. Sample locations for SR-1 through SR-6 are displayed in Figure 3.

The soil columns for the borings were assessed at six-inch intervals; field measurements included visual and olfactory observations. For the landfilling assessment, one soil sample was collected at each boring point at a depth of 18 to 24 inches BGS, and from the upper six-inch soil interval for the shooting range assessment. No soil staining or overt odors of hazardous chemicals or petroleum products were observed. The soil type recorded was generally silt. Silt with rocks were encountered at borings SB-1 through SB-5. At boring locations SB-4 and SB-5 located in the southern portion of the site, some glass and metal trash debris were observed interspersed with soil collected within the auger cup. Soil boring logs are included in Attachment B.

C. LABORATORY ANALYSIS OF SOIL SAMPLES

The eight samples collected for the landfill assessment of the site were submitted to be analyzed for:

- VOCs, including BTEX and MTBE, via United States Environmental Protection Agency (EPA) Method 8260B
- SVOCs via EPA Method 8270D
- TPH-DRO/GRO via EPA Method 8015C
- PCBs via EPA Method 8082A
- RCRA-Metals via EPA Method 6010C; and
- Mercury via EPA Method 7471B
- Dioxins and Furans via EPA Method 8290A

Soil samples to be tested for the VOCs fraction of the analyses were collected using the Terra Core sampler. This sampling methodology was utilized to prevent loss of VOCs in the samples using laboratory provided 40 vials with (sodium bisulfide and methanol) preservatives.

The six soil samples collected to evaluate the shooting range area were analyzed for:

- Leaf by EPA Method 6010.

Soil samples were submitted under chain-of-custody to Virginia Environmental Laboratory Accreditation Program (VELAP) certified laboratory Eurofins Test America of Savannah, Georgia (Eurofins). Samples were packed into coolers with ice and shipped via Federal Express overnight shipping to the Eurofins lab in Savannah, Georgia for a ten-business day turnaround time for the reporting of results. Copies of the Chain-of-Custody forms and Certificates of Analysis are included in Attachment C.

D. SOIL RESULTS

The soil results for the ESA investigation are summarized in Table 1 for SB-1 through SB-6 collected throughout the site and in Table 2 for SR-1 through SR-6 collected at the small shooting range. The laboratory analytical report is provided in Attachment C.

Landfill Assessment

Among the samples collected for a broad-range analytical testing (SB-1 through SB-8) of the site, the results were as follows:

- **VOCs** were below laboratory method detection limits (BDL) with the exception of 32 micrograms per kilogram (ug/kg) acetone in SB-3 and .6 ug/kg p-isopropyltoluene in SB-7 located in the southeastern portion of the site. Both results are below Tier III screening levels of 1,200,000,000 ug/kg for acetone and 990,000 ug/kg for p-isopropyltoluene.
- **SVOCs** were BDL at each boring location
- **Nonhalogenated Organics** - The analytical results for total petroleum hydrocarbons for TPH-GRO were BDL at each location while concentrations of TPH-DRO ranged from 3.6 milligrams per kilogram (mg/kg) in SB-7 in the southeastern portion of the site to 160 mg/kg in SB-4 located in the southwest. No Tier III standard exists for TPH however the 160 mg/kg TPH-DRO detected at SB-4 is in excess of the VDEQ reporting threshold of 100 mg/kg. The exceedance of this standard is an indicator of petroleum impact to the subsurface.
- **PCB's** - PCBs were BDL in SB-1, SB-2, SB-3, SB-6, and SB-8 while PCB concentrations in the remaining three locations ranged from 27 ug/kg in SB-7 to 130 ug/kg in SB-4. These results were well below the Tier III screening level for Total PCBs of 9,400 ug/kg.
- **Dioxins and Furans** – The analytical results for the hexachlorodibenzo-p-dioxin mixture consisting of results for 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD, ranged from 0.72 picograms per grams (pg/g) in SB-6 in the northeastern portion of the site to 12.1 pg/g in SB-5 located in the southwest. These results were well below the Tier III screening level for hexachlorodibenzo-p-dioxin mixture of 4,700 pg/g.
- **RCRA 8 Metals** – Measurable concentrations of metals were detected at various sample points for arsenic, barium, cadmium, chromium, silver, and lead while selenium concentrations were BDL at each of the eight sample locations. The greatest concentrations for each metal were recorded among SB-4 and SB-5 located in the southwest portion of the site. Fragments of debris including metal and glass were observed in the auger cup when collecting samples at both these locations. The analytical results for each of the RCRA 8

metals were below their respective Tier III screening levels at each boring location with the exception of 1,000 mg/kg lead detected at SB-5. This concentration is in excess of the lead Tier III screening level of 800 mg/kg.

- **Mercury** – The analytical results for mercury ranged from 0.036 in SB-6 to 0.900 in SB-4. These results were well below the Tier III screening level for mercury of 4.6 mg/kg.

Shooting Range

Among the samples collected from the shooting range and tested for lead content exclusively (SR-1 through SR-6), results ranged from 14 mg/kg at SR-4 located below the target board to 43 mg/kg and 38 mg/kg located in the hillside approximately nine feet beyond the target board. The results were well below the Tier III screening level of 800 mg/kg.

E. FINDINGS AND RECOMMENDATIONS

The findings of the limited Phase II ESA completed for the site supports the Phase I ESA conclusion that historic landfilling operations at the site have adversely impacted the underlying environment. Measurable concentrations of RCRA 8 metals, mercury PCB', dioxins, and TPH-DRO were recorded with higher concentrations detected at the southwestern portion of the site in the vicinity of SB-4 and SB-5. However, the results of the investigation were found to be below the Virginia Tier III Industrial Screening Levels with the exception of the 1,000 mg/kg of lead detected in SB-5 which is in excess of the 800 mg/kg Tier III threshold. Tier III Screening Levels for Industrial sites. The VDEQ Tier III standards referenced are based on the US EPA Risk Based Screening Levels (RBSLs) for a commercial property updated in May 2020. According to the EPA website based on data collected by the US Geological Survey, the mean background concentration of lead in soil in Virginia is only 26 mg/kg. (<https://www.epa.gov/superfund/usgs-background-soil-lead-survey-state-data>)

Given the lead concentration recorded in SB-5, TEC recommends that soil excavated in the vicinity of SB-5 be disposed of at a licensed waste disposal facility. It is further recommended that confirmatory soil samples be collected from the limits of any excavations conducted in this area in order to determine if the impacted soil has been removed successfully. Based on the site development plan provided by the client which is included as Figure 4 the locations of SB-4 and SB-5 appear to be within an area in which a delivery/storage lot is to be constructed.

With regards to the results for nonhalogenated organics, no screening levels for TPH-DRO or TPH-GRO have been established by the VDEQ however the concentration of 160 mg/kg recorded in SB-4 does exceed the VDEQ required reporting threshold of 100 mg/kg indicating petroleum impact to the subsurface. Under VDEQ guidelines, the property owner should report this finding to the VDEQ Northern Regional Office in Woodbridge, Virginia. Upon receiving notification, the VDEQ will open a Pollution Complaint (PC) case. The assigned VDEQ Case Manager will review the information provided including boring locations and analytical data collected to date and determine if the PC case can be closed or if additional investigation is required.

Should you have any questions about this report, please contact us by phone at (703) 567-4346 or by electronic mail at WSHuber@teci.pro or TAdesida@teci.com.

Sincerely,
Total Environmental Concepts, Inc.



William Scott Huber
Project Manager



Tokes Adesida, CPG
Program Manager/Director of Operations

Figures:

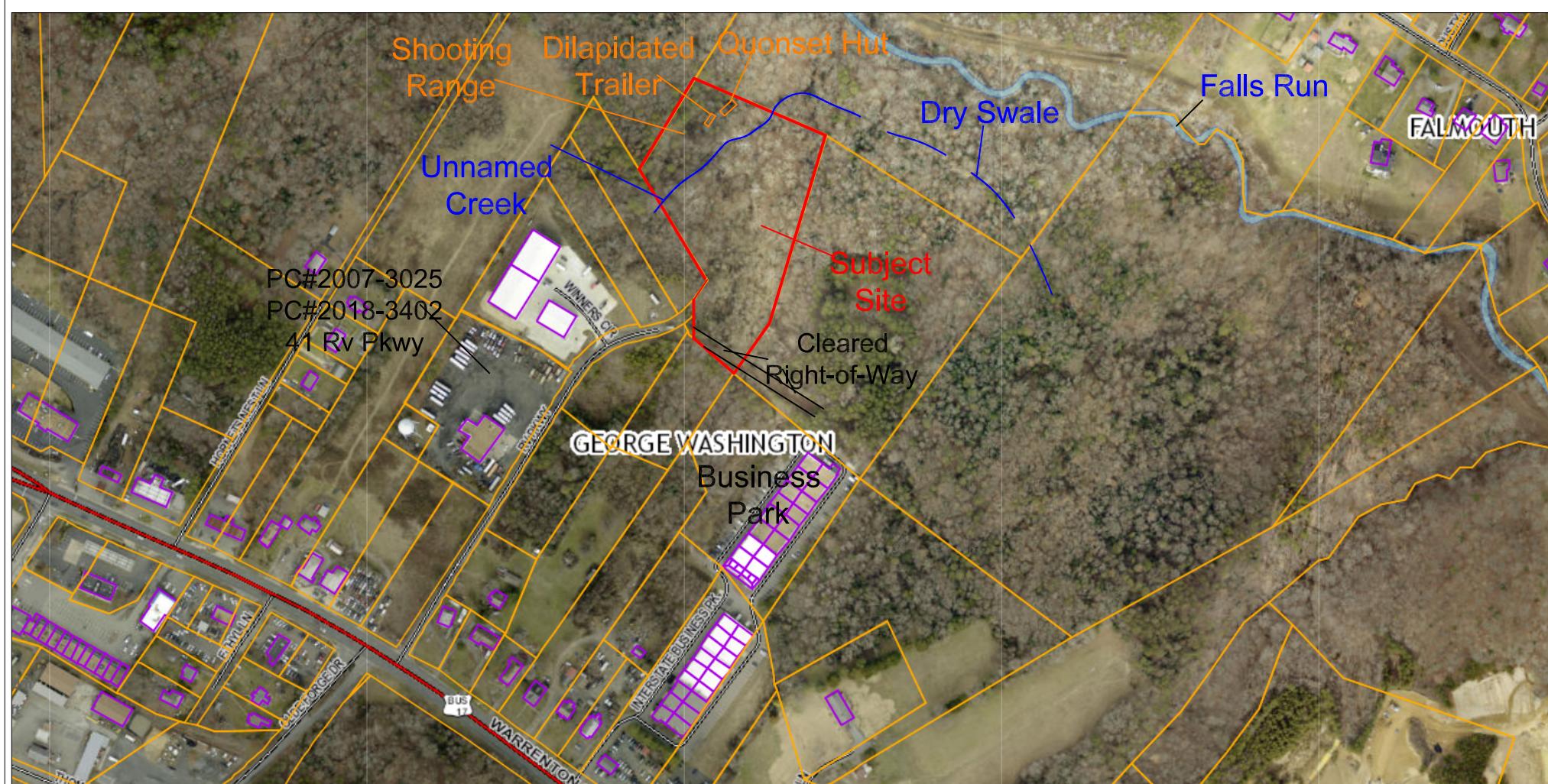
- Figure 1 – Site Location Map
- Figure 2 – Site Map with Sample Locations – SB-1 through SB-8
- Figure 3 – Shooting Range Map with Sample Locations – SR-1 through SR-6
- Figure 4 – Potential Site Development Map

Attachments:

- Table 1 - Soil Analytical Results – SB-1 through SB-8
- Table 2 – Soil Analytical Results – SR-1 through SR-6

- Attachment A – Site Photographs
- Attachment B – Soil Boring Logs
- Attachment C – Laboratory Analytical Reports

FIGURES



7432 Alban Station Blvd., Ste. B252
Springfield, VA 22150
Office: (703) 567-4346

Site and Vicinity Map

Parcel 45 98
Falmouth, VA 22405

Job#
2435.001
Date
September 2020

Figure

1



LEGEND

● Hand Auger Location with Sample ID
SB-1



8682 Terminal Road, Suite B
Lorton, VA 22079
Office: (703) 567-4346

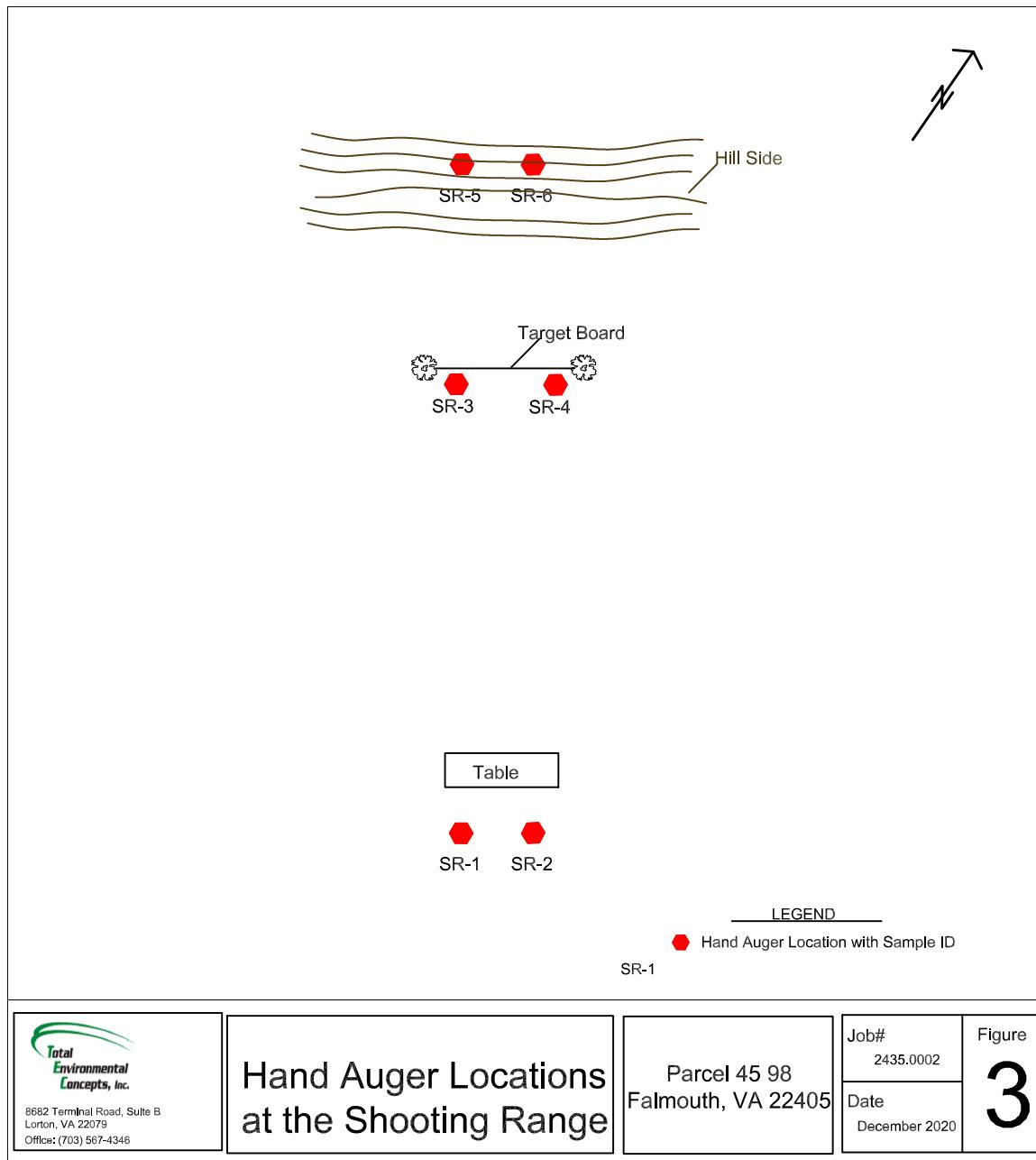
Sample Locations

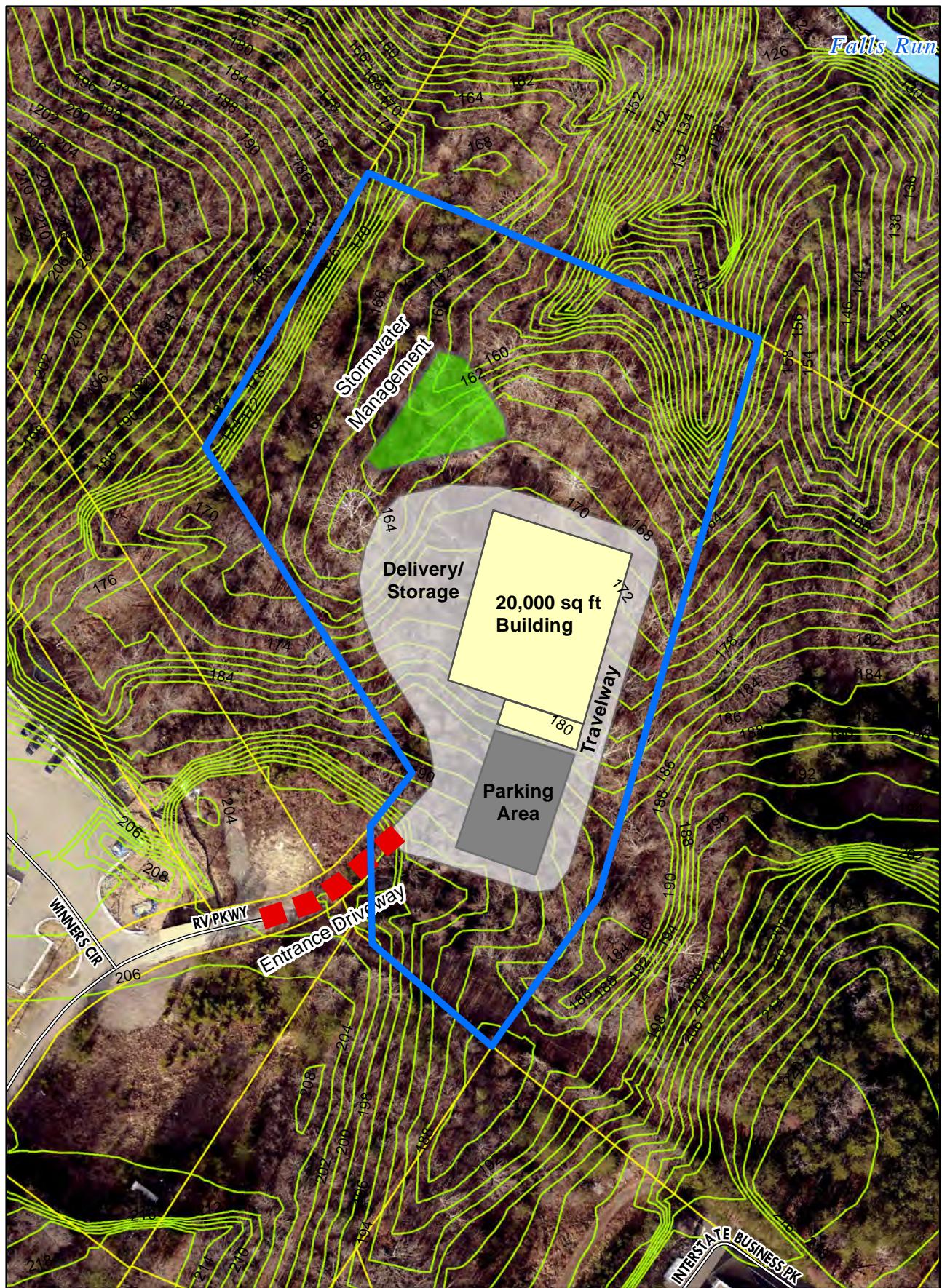
Parcel 45 98
Falmouth, VA 22405

| | |
|------|---------------|
| Job# | 2435.0002 |
| Date | December 2020 |

Figure

2





TAX MAP PARCEL NO. 45-98
POTENTIAL DEVELOPMENT SCENARIO

TABLES

Table 1
Soil Sampling Analytical Results - SB-1 through SB-8
Phase II Investigation
Stafford County Parcel 45 98
Fredericksburg, Virginia
TECI Project # 2435.0002.C.3.VA

Table 3
Soil Sampling Analytical Results - SR-1 through SR-6
Phase II Investigation
Stafford County Parcel 45 98
Fredericksburg, Virginia
TECI Project # 2435.0002.C.3.VA

| Analyte | Screening Levels | VA Tier III Industrial | SR-1 | SR-2 | SR-3 | SR-4 | SR-5 | SR-6 |
|------------------------|------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Sample Collection Date | | | 11/3/2020 | 11/3/2020 | 11/3/2020 | 11/3/2020 | 11/3/2020 | 11/3/2020 |
| Metals in mg/kg | | | | | | | | |
| Lead | | | 800 | 41 | 31 | 33 | 14 | 43 |

Notes: BDL: Below detection limits
µg/kg: Micrograms per kilogram (parts per billion)
mg/kg: Milligrams per kilogram (parts per million)
Bold and highlighted values exceed their respective Virginia VRP Tier III Industrial Screening Level
NS: Not sampled
TPH-GRO - Total Petroleum Hydrocarbons Gasoline Range Organics
TPH-DRO - Total Petroleum Hydrocarbons Diesel Range Organics



ATTACHMENT A

Soil Boring Logs

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-1 | | Project Number: 2435.0001 | |  | | | |
|---|---------------------|-----------------------------------|------------------------------------|---|--|---------------------|---------------------------------------|
| Site Name: Stafford County Parcel 45 98 | | Borehole Start Date: 11/03/20 | End Date: 11/03/20 | Borehole Start Time: 1510 | End Time: 1540 | | |
| Drilling Contractor: TEC | | Inspector: William Scott Huber | | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 2' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID | | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth (feet) | SPT Blows (per six inches) | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks | |
| HA | 2 | 2 | | Topsoil | | | |
| | | | | 1 | | | Red-brown SILT with rocks, moist (OH) |
| | | | | 2 | | | Bottom of boring at 2 ft BGS |
| | | | | 3 | | | |
| | | | | 4 | | | |
| | | | | 5 | | | |
| | | | | 6 | | | |
| | | | | 7 | | | |
| | | | | 8 | | | |
| | | | | 9 | | | |
| | | | | 10 | | | |
| | | | | 11 | | | |
| | | | | 12 | | | |
| | | | | 13 | | | |
| | | | | 14 | | | |
| 15 | | | | | | | |

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-2 | | Project Number: 2435.0001 | |  | | | |
|---|---------------------|-------------------------------------|------------------------------------|---|--|---------------------|--|
| Site Name: Stafford County Parcel 45 98 | | Borehole Start Date: 11/03/20 | End Date: 11/03/20 | Borehole Start Time: 1400 | End Time: 1430 | | |
| Drilling Contractor: TEC | | Inspector: William Scott Huber | | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 2' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID | | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth (feet) | SPT Blows (per six inches) | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks | |
| HA | 2 | 2 | | Topsoil | | | |
| | | | | 1 | | | Gray-brown sandy SILT with rocks, moist (OH) |
| | | | | 2 | | | Bottom of boring at 2 ft BGS |
| | | | | 3 | | | |
| | | | | 4 | | | |
| | | | | 5 | | | |
| | | | | 6 | | | |
| | | | | 7 | | | |
| | | | | 8 | | | |
| | | | | 9 | | | |
| | | | | 10 | | | |
| | | | | 11 | | | |
| | | | | 12 | | | |
| | | | | 13 | | | |
| | | | | 14 | | | |
| 15 | | | | | | | |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-3 | | Project Number: 2435.0001 | |  | | | |
|---|---------------------|-----------------------------------|------------------------------------|---|--|--|--|
| Site Name: Stafford County Parcel 45 98 | | Borehole Start Date: 11/03/20 | End Date: 11/03/20 | Borehole Start Time: 1300 | End Time: 1330 | | |
| Drilling Contractor: TEC | | Inspector: William Scott Huber | | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 2' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID | | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth (feet) | SPT Blows (per six inches) | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks | |
| HA | 2 | 2 | | Topsoil | | No overt odors detected Very moist at 1.5 ft. Wet at 2 ft BGS- Soil sample collected | |
| | | | | 1 | | | Brown & gray sandy SILT with rocks, moist (OH) |
| | | | | 2 | | | Bottom of boring at 2 ft BGS |
| | | | | 3 | | | |
| | | | | 4 | | | |
| | | | | 5 | | | |
| | | | | 6 | | | |
| | | | | 7 | | | |
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| | | | | 13 | | | |
| | | | | 14 | | | |
| 15 | | | | | | | |

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-4 | | Project Number: 2435.0001 | |  | | | |
|---|------------------------------|-------------------------------------|------------------------------------|---|--|-------------|---|
| Site Name: Stafford County Parcel 45 98 | | Borehole Start Date: 11/03/20 | End Date: 11/03/20 | Borehole Start Time: 1140 | End Time: 1210 | | |
| Drilling Contractor: TEC | | Inspector: William Scott Huber | | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 2' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID | | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth Interval (feet) | SPT Blows (per six inches) | OVA/PID | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks |
| HA | 2 | 2 | | 1 | Topsoil Dark brown silty SAND, moist (OH) | | Some glass & metal debris w/ soil No overt odors detected Soil sample collected at 2 ft BGS |
| | | | | 2 | Bottom of boring at 2 ft BGS | | |
| | | | | 3 | | | |
| | | | | 4 | | | |
| | | | | 5 | | | |
| | | | | 6 | | | |
| | | | | 7 | | | |
| | | | | 8 | | | |
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| | | | | 14 | | | |
| | | | | 15 | | | |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-5 | | | Project Number: 2435.0001 | |  | | |
|--|------------------------------|---------------------------------|-------------------------------------|----------------------------------|---|---|---|
| Site Name: Stafford County Parcel 45 98 | | | Borehole Start Date: 11/02/20 | End Date: 11/02/20 | Borehole Start Time: 1440 | End Time: 1515 | |
| Drilling Contractor: TEC | | | Inspector: William Scott Huber | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 3' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID | <input checked="" type="checkbox"/> PID | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth Interval (feet) | SPT Blows (per six inches) | OVA/PID | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks |
| HA | HA | 3 | | 1 | Topsoil | | Some glass, plastic, & cloth debris w/ soil - no overt odors detected Soil sample collected at 2 ft BGS Light brown with no debris at 3 ft. BGS |
| | | | | 2 | Dark brown silty SAND, moist (OH) | | |
| | | | | 3 | Bottom of boring at 3 ft BGS | | |
| | | | | 4 | | | |
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| | | | | 15 | | | |

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-6 | | Project Number: 2435.0001 | |  | | | |
|---|---------------------|-------------------------------------|------------------------------------|---|--|---------------------|------------------------------------|
| Site Name: Stafford County Parcel 45 98 | | Borehole Start Date: 11/02/20 | End Date: 11/02/20 | Borehole Start Time: 1415 | End Time: 1440 | | |
| Drilling Contractor: TEC | | Inspector: William Scott Huber | | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 2' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID | | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth (feet) | SPT Blows (per six inches) | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks | |
| HA | 2 | 2 | | Topsoil | | | |
| | | | | 1 | | | Light brown sandy SILT, moist (OH) |
| | | | | 2 | | | Bottom of boring at 2 ft BGS |
| | | | | 3 | | | |
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| 15 | | | | | | | |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-7 | | Project Number: 2435.0001 | |  | | | |
|---|---------------------|-------------------------------------|------------------------------------|---|--|---------------------|------------------------------------|
| Site Name: Stafford County Parcel 45 98 | | Borehole Start Date: 11/02/20 | End Date: 11/02/20 | Borehole Start Time: 1300 | End Time: 1330 | | |
| Drilling Contractor: TEC | | Inspector: William Scott Huber | | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 2' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID | | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth (feet) | SPT Blows (per six inches) | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks | |
| HA | 2 | 2 | | Topsoil | | | |
| | | | | 1 | | | Light brown sandy SILT, moist (OH) |
| | | | | 2 | | | Bottom of boring at 2 ft BGS |
| | | | | 3 | | | |
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| | | | | 14 | | | |
| 15 | | | | | | | |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

BORING LOG

Page 1 of 1

| Boring/Well Number: SB-8 | | Project Number: 2435.0001 | |  | | | |
|---|---------------------|-------------------------------------|------------------------------------|---|--|---------------------|------------------------------------|
| Site Name: Stafford County Parcel 45 98 | | Borehole Start Date: 11/02/20 | End Date: 11/02/20 | Borehole Start Time: 1300 | End Time: 1330 | | |
| Drilling Contractor: TEC | | Inspector: William Scott Huber | | Client: First Line Technology | | | |
| Borehole Ground Elevation: | | Pavement Thickness (in): N/A | Borehole Diameter (inches): 1.6 | Borehole Depth (feet): 2' | | | |
| Drilling Method(s): Hand auger | | Apparent Borehole DTW N/A | Measured Well DTW (24 hr) N/A | OVA: Multi RAE | <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID | | |
| Disposition of Drill Cuttings: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other | | | | | | | |
| Borehole Completion: <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) | | | | | | | |
| Sample Type | Sample Depth (feet) | SPT Blows (per six inches) | Depth (feet) | Lithology | USCS Symbol | Lab Samples/Remarks | |
| HA | 2 | 2 | | Topsoil | | | |
| | | | | 1 | | | Light brown sandy SILT, moist (OH) |
| | | | | 2 | | | Bottom of boring at 2 ft BGS |
| | | | | 3 | | | |
| | | | | 4 | | | |
| | | | | 5 | | | |
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| | | | | 12 | | | |
| | | | | 13 | | | |
| | | | | 14 | | | |
| 15 | | | | | | | |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

BORING LOG

Page _____ of _____

| Boring/Well Number: | | FDEP Facility Identification Number: | | Site Name: | | Borehole Start Date: End Date: | | | | | |
|---------------------|------------------------------|--------------------------------------|----------------------------|----------------|--------------|-----------------------------------|--------------|--|-------------|------------------|--|
| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description (include grain size based on USCS, odors, staining, and other remarks) | USCS Symbol | Moisture Content | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
| | | | | | | | | | | | |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



ATTACHMENT B

Laboratory Analytical Reports



Environment Testing
America



ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

[Laboratory Job ID: 680-191026-1](#)

Client Project/Site: Stafford County Parcel 4598

For:

Total Environmental Concepts Inc.
7432 Alban Station Blvd
Suite B-252
Springfield, Virginia 22150

Attn: Scott Huber

Kathryn Smith

Authorized for release by:

11/30/2020 2:09:47 PM

Kathryn Smith, Client Service Manager
(912)250-0275

Kathy.Smith@Eurofinset.com

LINKS

Review your project
results through

Total Access

Have a Question?

Ask
The
Expert

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| * | LCS or LCSD is outside acceptance limits. |
| *3 | ISTD response or retention time outside acceptable limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |
| X | Surrogate recovery exceeds control limits |

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |
| X | Surrogate recovery exceeds control limits |

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| X | Surrogate recovery exceeds control limits |

Dioxin

| Qualifier | Qualifier Description |
|-----------|--|
| B | Compound was found in the blank and sample. |
| E | Result exceeded calibration range. |
| I | Value is EMPC (estimated maximum possible concentration). |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |

Definitions/Glossary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. | |
|--------------|--|----|
| MDL | Method Detection Limit | 1 |
| ML | Minimum Level (Dioxin) | 2 |
| MPN | Most Probable Number | 3 |
| MQL | Method Quantitation Limit | 4 |
| NC | Not Calculated | 5 |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) | 6 |
| NEG | Negative / Absent | 7 |
| POS | Positive / Present | 8 |
| PQL | Practical Quantitation Limit | 9 |
| PRES | Presumptive | 10 |
| QC | Quality Control | 11 |
| RER | Relative Error Ratio (Radiochemistry) | 12 |
| RL | Reporting Limit or Requested Limit (Radiochemistry) | 13 |
| RPD | Relative Percent Difference, a measure of the relative difference between two points | |
| TEF | Toxicity Equivalent Factor (Dioxin) | |
| TEQ | Toxicity Equivalent Quotient (Dioxin) | |
| TNTC | Too Numerous To Count | |

Sample Summary

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID | |
|---------------|------------------|--------|----------------|----------------|----------|----|
| 680-191026-1 | SB-1 | Solid | 11/03/20 15:40 | 11/04/20 09:30 | | 1 |
| 680-191026-2 | SB-2 | Solid | 11/03/20 14:30 | 11/04/20 09:30 | | 2 |
| 680-191026-3 | SB-3 | Solid | 11/03/20 13:30 | 11/04/20 09:30 | | 3 |
| 680-191026-4 | SB-4 | Solid | 11/03/20 12:10 | 11/04/20 09:30 | | 4 |
| 680-191026-5 | SR-1 | Solid | 11/03/20 16:28 | 11/04/20 09:30 | | 5 |
| 680-191026-6 | SR-2 | Solid | 11/03/20 16:38 | 11/04/20 09:30 | | 6 |
| 680-191026-7 | SR-3 | Solid | 11/03/20 16:43 | 11/04/20 09:30 | | 7 |
| 680-191026-8 | SR-4 | Solid | 11/03/20 16:48 | 11/04/20 09:30 | | 8 |
| 680-191026-9 | SR-5 | Solid | 11/03/20 16:54 | 11/04/20 09:30 | | 9 |
| 680-191026-10 | SR-6 | Solid | 11/03/20 16:50 | 11/04/20 09:30 | | 10 |

Case Narrative

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Job ID: 680-191026-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: Total Environmental Concepts Inc.
Project: Stafford County Parcel 4598

Report Number: 680-191026-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/04/2020; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6° C and 4.9° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3) and SB-4 (680-191026-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 11/05/2020 and analyzed on 11/05/2020 and 11/11/2020.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-642425 recovered outside control limits for the following analyte(s): Vinyl Acetate. Vinyl Acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Surrogate recovery for the following sample was outside control limits: SB-3 (680-191026-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Surrogate recovery for the following sample was outside control limits: SB-4 (680-191026-4). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

Internal standard (ISTD) response for the following sample was outside control limits: SB-4 (680-191026-4). The sample(s) was re-extracted and/or re-analyzed and ISTD response was outside control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3) and SB-4 (680-191026-4) were analyzed for Semivolatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 11/12/2020 and analyzed on 11/13/2020.

Di-n-butyl phthalate was detected in method blank MB 680-643645/16-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Surrogate recovery for the following samples was outside control limits: SB-3 (680-191026-3), SB-4 (680-191026-4). Re-extraction and/or re-analysis was performed with concurring results and original data set reported.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-1 (680-191026-1). These results have been reported and qualified.

Surrogate recovery for the following sample was outside control limits: SB-4 (680-191026-4). Evidence of matrix interference is present;

Case Narrative

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Job ID: 680-191026-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3) and SB-4 (680-191026-4) were analyzed for Diesel Range Organics (DRO) in accordance with EPA SW-846 Method 8015C. The samples were prepared on 11/07/2020 and analyzed on 11/09/2020.

Due to the nature of this analysis which involves a total area sum over the entire retention time range, manual integrations are routinely performed for target analytes and surrogates to ensure consistent integration.

Surrogate recovery for the following sample was outside control limits: SB-3 (680-191026-3). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

The surrogate recovery for the LCS associated with preparation batch 680-642821 and analytical batch 680-643095 was outside the control limits. The sample surrogates and the target analytes in the LCS were within control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

8015C DRO

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3) and SB-4 (680-191026-4) were analyzed for 8015C DRO in accordance with 8015C_GRO_DOD5. The samples were prepared on 11/05/2020 and analyzed on 11/16/2020.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3) and SB-4 (680-191026-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/10/2020 and analyzed on 11/10/2020 and 11/11/2020.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-3 (680-191026-3) and SB-4 (680-191026-4). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3) and SB-4 (680-191026-4) were analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 11/13/2020 and analyzed on 11/23/2020 and 11/24/2020.

Several analytes were detected in method blank MB 140-44452/21-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3), SB-4 (680-191026-4), SR-1 (680-191026-5), SR-2 (680-191026-6), SR-3 (680-191026-7), SR-4 (680-191026-8), SR-5 (680-191026-9) and SR-6 (680-191026-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/07/2020 and analyzed on 11/12/2020 and 11/13/2020.

Case Narrative

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Job ID: 680-191026-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Lead recovered low for the MS of sample SB-4MS (680-191026-4) in batch 680-643776. Barium and Cadmium recovered high.

For the MSD of sample SB-4MSD (680-191026-4) in batch 680-643776, Barium and Chromium recovered low. Lead recovered high. Also, Barium exceeded the RPD limit.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3) and SB-4 (680-191026-4) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 11/10/2020 and analyzed on 11/11/2020 and 11/12/2020.

Sample SB-4 (680-191026-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples SB-1 (680-191026-1), SB-2 (680-191026-2), SB-3 (680-191026-3), SB-4 (680-191026-4), SR-1 (680-191026-5), SR-2 (680-191026-6), SR-3 (680-191026-7), SR-4 (680-191026-8), SR-5 (680-191026-9) and SR-6 (680-191026-10) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 11/11/2020.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-1

Date Collected: 11/03/20 15:40

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-1

Matrix: Solid

Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | 4.1 | U | 4.1 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,1,1-Trichloroethane | 4.1 | U | 4.1 | 0.49 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,1,2,2-Tetrachloroethane | 4.1 | U | 4.1 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,1,2-Trichloroethane | 4.1 | U | 4.1 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,1-Dichloroethane | 4.1 | U | 4.1 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,1-Dichloroethene | 4.1 | U | 4.1 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,1-Dichloropropene | 4.1 | U | 4.1 | 0.79 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2,3-Trichlorobenzene | 4.1 | U | 4.1 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2,3-Trichloropropane | 4.1 | U | 4.1 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2,4-Trichlorobenzene | 4.1 | U | 4.1 | 0.74 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2,4-Trimethylbenzene | 4.1 | U | 4.1 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2-Dibromo-3-Chloropropane | 8.3 | U | 8.3 | 3.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2-Dichlorobenzene | 4.1 | U | 4.1 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2-Dichloroethane | 4.1 | U | 4.1 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2-Dichloroethene, Total | 8.3 | U | 8.3 | 0.52 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2-Dichloropropane | 4.1 | U | 4.1 | 0.71 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,3,5-Trimethylbenzene | 4.1 | U | 4.1 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,3-Dichlorobenzene | 4.1 | U | 4.1 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,3-Dichloropropane | 4.1 | U | 4.1 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,4-Dichlorobenzene | 4.1 | U | 4.1 | 0.61 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 2,2-Dichloropropane | 4.1 | U | 4.1 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 2-Chlorotoluene | 4.1 | U | 4.1 | 1.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 2-Hexanone | 21 | U | 21 | 2.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 4-Chlorotoluene | 4.1 | U | 4.1 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Acetone | 41 | U | 41 | 9.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Benzene | 4.1 | U | 4.1 | 0.60 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Bromobenzene | 4.1 | U | 4.1 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Bromochloromethane | 4.1 | U | 4.1 | 2.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Bromoform | 4.1 | U | 4.1 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Bromodichloromethane | 4.1 | U | 4.1 | 0.80 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Bromomethane | 4.1 | U | 4.1 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Carbon disulfide | 4.1 | U | 4.1 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Carbon tetrachloride | 4.1 | U | 4.1 | 0.69 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Chlorobenzene | 4.1 | U | 4.1 | 0.80 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Chloroethane | 4.1 | U | 4.1 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Chloroform | 4.1 | U | 4.1 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Chloromethane | 4.1 | U | 4.1 | 0.83 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| cis-1,2-Dichloroethene | 4.1 | U | 4.1 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| cis-1,3-Dichloropropene | 4.1 | U | 4.1 | 0.69 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Dibromochloromethane | 4.1 | U | 4.1 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Dibromomethane | 4.1 | U | 4.1 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Dichlorodifluoromethane | 4.1 | U | 4.1 | 0.78 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Ethylbenzene | 4.1 | U | 4.1 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Hexachlorobutadiene | 4.1 | U | 4.1 | 2.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Isopropylbenzene | 4.1 | U | 4.1 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| m-Xylene & p-Xylene | 4.1 | U | 4.1 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Methyl tert-butyl ether | 4.1 | U | 4.1 | 0.83 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Methylene Chloride | 4.1 | U | 4.1 | 0.81 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Naphthalene | 4.1 | U | 4.1 | 0.99 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-1

Date Collected: 11/03/20 15:40

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-1

Matrix: Solid

Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|------|-------|---|-----------------|-----------------|----------------|
| 4-Methyl-2-pentanone | 21 | U | 21 | 3.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 2-Butanone (MEK) | 21 | U | 21 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2-Dibromoethane | 4.1 | U | 4.1 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| n-Butylbenzene | 4.1 | U | 4.1 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| N-Propylbenzene | 4.1 | U | 4.1 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| o-Xylene | 4.1 | U | 4.1 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| p-Isopropyltoluene | 4.1 | U | 4.1 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| sec-Butylbenzene | 4.1 | U | 4.1 | 1.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Styrene | 4.1 | U | 4.1 | 0.77 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| tert-Butylbenzene | 4.1 | U | 4.1 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Tetrachloroethene | 4.1 | U | 4.1 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Toluene | 4.1 | U | 4.1 | 0.70 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| trans-1,2-Dichloroethene | 4.1 | U | 4.1 | 0.52 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| trans-1,3-Dichloropropene | 4.1 | U | 4.1 | 0.72 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Trichloroethene | 4.1 | U | 4.1 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Trichlorofluoromethane | 4.1 | U | 4.1 | 0.99 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Vinyl acetate | 8.3 | U * | 8.3 | 2.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Vinyl chloride | 4.1 | U | 4.1 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Xylenes, Total | 8.3 | U | 8.3 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 119 | | 70 - 130 | | | | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 70 - 130 | | | | 11/05/20 08:50 | 11/05/20 18:37 | 1 |
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 | | | | 11/05/20 08:50 | 11/05/20 18:37 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzaldehyde | 380 | U | 380 | 66 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Phenol | 380 | U | 380 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Bis(2-chloroethyl)ether | 380 | U | 380 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2-Chlorophenol | 380 | U | 380 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2-Methylphenol | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| bis (2-chloroisopropyl) ether | 380 | U | 380 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Acetophenone | 380 | U | 380 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 3 & 4 Methylphenol | 380 | U | 380 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| N-Nitrosodi-n-propylamine | 380 | U | 380 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Hexachloroethane | 380 | U | 380 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Nitrobenzene | 380 | U | 380 | 30 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Isophorone | 380 | U | 380 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2-Nitrophenol | 380 | U | 380 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,4-Dimethylphenol | 380 | U | 380 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Bis(2-chloroethoxy)methane | 380 | U | 380 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,4-Dichlorophenol | 380 | U | 380 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Naphthalene | 380 | U | 380 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 4-Chloroaniline | 750 | U | 750 | 59 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Hexachlorobutadiene | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Caprolactam | 380 | U | 380 | 75 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 4-Chloro-3-methylphenol | 380 | U | 380 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2-Methylnaphthalene | 380 | U | 380 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-1

Date Collected: 11/03/20 15:40

Lab Sample ID: 680-191026-1

Date Received: 11/04/20 09:30

Matrix: Solid

Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|---------------|------|-------|---|-----------------|-----------------|----------------|
| Hexachlorocyclopentadiene | 380 | U | 380 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,4,6-Trichlorophenol | 380 | U | 380 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,4,5-Trichlorophenol | 380 | U | 380 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 1,1'-Biphenyl | 1900 | U | 1900 | 1900 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2-Chloronaphthalene | 380 | U | 380 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2-Nitroaniline | 1900 | U | 1900 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Dimethyl phthalate | 380 | U | 380 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,6-Dinitrotoluene | 380 | U | 380 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Acenaphthylene | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 3-Nitroaniline | 1900 | U | 1900 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Acenaphthene | 380 | U | 380 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,4-Dinitrophenol | 1900 | U | 1900 | 950 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 4-Nitrophenol | 1900 | U | 1900 | 380 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Dibenzofuran | 380 | U | 380 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,4-Dinitrotoluene | 380 | U | 380 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Diethyl phthalate | 380 | U | 380 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Fluorene | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 4-Chlorophenyl phenyl ether | 380 | U | 380 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 4-Nitroaniline | 1900 | U | 1900 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 4,6-Dinitro-2-methylphenol | 1900 | U | 1900 | 190 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| N-Nitrosodiphenylamine | 380 | U | 380 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 4-Bromophenyl phenyl ether | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Hexachlorobenzene | 380 | U | 380 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Atrazine | 380 | U | 380 | 26 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Pentachlorophenol | 1900 | U | 1900 | 380 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Phenanthrene | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Anthracene | 380 | U | 380 | 29 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Carbazole | 380 | U | 380 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Di-n-butyl phthalate | 380 | U | 380 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Fluoranthene | 380 | U | 380 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Pyrene | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Butyl benzyl phthalate | 380 | U | 380 | 30 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 3,3'-Dichlorobenzidine | 750 | U | 750 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Benzo[a]anthracene | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Chrysene | 380 | U | 380 | 24 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Bis(2-ethylhexyl) phthalate | 380 | U | 380 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Di-n-octyl phthalate | 380 | U | 380 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Benzo[b]fluoranthene | 380 | U | 380 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Benzo[k]fluoranthene | 380 | U | 380 | 74 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Benzo[a]pyrene | 380 | U | 380 | 59 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Indeno[1,2,3-cd]pyrene | 380 | U | 380 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Dibenz(a,h)anthracene | 380 | U | 380 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Benzo[g,h,i]perylene | 380 | U | 380 | 25 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 1-Methylnaphthalene | 380 | U | 380 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Nitrobenzene-d5 (Surr) | 49 | | 37 - 115 | | | | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2-Fluorobiphenyl (Surr) | 46 | | 41 - 116 | | | | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Terphenyl-d14 (Surr) | 49 | | 46 - 126 | | | | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| Phenol-d5 (Surr) | 42 | | 38 - 122 | | | | 11/12/20 10:37 | 11/13/20 18:37 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-1

Date Collected: 11/03/20 15:40
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-1

Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorophenol (Surr) | 43 | | 39 - 114 | 11/12/20 10:37 | 11/13/20 18:37 | 1 |
| 2,4,6-Tribromophenol (Surr) | 36 | X | 45 - 129 | 11/12/20 10:37 | 11/13/20 18:37 | 1 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 11 | U | 11 | 2.8 | mg/Kg | ⊗ | 11/05/20 09:06 | 11/16/20 14:16 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 6.8 | | 3.9 | 2.5 | mg/Kg | ⊗ | 11/07/20 10:30 | 11/09/20 17:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl (Surr) | 47 | | 45 - 130 | | | | 11/07/20 10:30 | 11/09/20 17:12 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 20 | U | 20 | 6.6 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| PCB-1221 | 20 | U | 20 | 9.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| PCB-1232 | 20 | U | 20 | 3.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| PCB-1242 | 20 | U | 20 | 3.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| PCB-1248 | 20 | U | 20 | 4.9 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| PCB-1254 | 20 | U | 20 | 6.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| PCB-1260 | 20 | U | 20 | 5.8 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro- <i>m</i> -xylene | 54 | | 46 - 130 | | | | 11/10/20 08:56 | 11/10/20 22:40 | 1 |
| DCB Decachlorobiphenyl | 54 | | 54 - 133 | | | | 11/10/20 08:56 | 11/10/20 22:40 | 1 |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| 2,3,7,8-TCDD | 1.2 | U | 1.2 | 0.067 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total TCDD | 0.31 | J I | 1.2 | 0.067 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,7,8-PeCDD | 0.29 | J B | 5.8 | 0.045 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total PeCDD | 0.74 | J I B | 5.8 | 0.045 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.50 | J B | 5.8 | 0.080 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,6,7,8-HxCDD | 0.52 | J B | 5.8 | 0.075 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,7,8,9-HxCDD | 0.86 | J | 5.8 | 0.074 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total HxCDD | 5.7 | J I B | 5.8 | 0.076 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 57 | B | 5.8 | 0.087 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total HpCDD | 100 | B | 5.8 | 0.087 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| OCDD | 9000 | E B | 12 | 0.019 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 2,3,7,8-TCDF | 0.22 | J I | 1.2 | 0.059 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total TCDF | 1.9 | I | 1.2 | 0.059 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,7,8-PeCDF | 5.8 | U | 5.8 | 0.075 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 2,3,4,7,8-PeCDF | 5.8 | U | 5.8 | 0.070 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total PeCDF | 0.42 | J I | 5.8 | 0.072 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,4,7,8-HxCDF | 5.8 | U | 5.8 | 0.067 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-1

Date Collected: 11/03/20 15:40
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-1

Matrix: Solid

Percent Solids: 83.1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|------------------|------------------|---------------|-------|------|---|-----------------|-----------------|----------------|
| 1,2,3,6,7,8-HxCDF | 5.8 | U | 5.8 | 0.071 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 2,3,4,6,7,8-HxCDF | 5.8 | U | 5.8 | 0.070 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,7,8,9-HxCDF | 5.8 | U | 5.8 | 0.079 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total HxCDF | 0.22 | J I | 5.8 | 0.072 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 0.30 | J B | 5.8 | 0.037 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 0.091 | J I B | 5.8 | 0.045 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Total HpCDF | 0.49 | J I B | 5.8 | 0.041 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| OCDF | 1.1 | J B | 12 | 0.013 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C-2,3,7,8-TCDD | 64 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,7,8-PeCDD | 55 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 61 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 67 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 73 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-OCDD | 89 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-2,3,7,8-TCDF | 61 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,7,8-PeCDF | 55 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-2,3,4,7,8-PeCDF | 54 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 67 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 62 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 67 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 69 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 70 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 72 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |
| 13C-OCDF | 71 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 02:29 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 1.1 | J | 2.2 | 0.88 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/13/20 14:12 | 1 |
| Barium | 79 | | 1.1 | 0.18 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/13/20 14:12 | 1 |
| Cadmium | 0.55 | U | 0.55 | 0.11 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/13/20 14:12 | 1 |
| Chromium | 12 | | 1.1 | 0.23 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/13/20 14:12 | 1 |
| Silver | 1.1 | U | 1.1 | 0.066 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/13/20 14:12 | 1 |
| Lead | 19 | | 1.1 | 0.37 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/13/20 14:12 | 1 |
| Selenium | 2.7 | U | 2.7 | 1.1 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/13/20 14:12 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.055 | | 0.022 | 0.0088 | mg/Kg | ⊗ | 11/10/20 16:32 | 11/11/20 20:13 | 1 |

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | 4.6 | U | 4.6 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,1,1-Trichloroethane | 4.6 | U | 4.6 | 0.55 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,1,2,2-Tetrachloroethane | 4.6 | U | 4.6 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,1,2-Trichloroethane | 4.6 | U | 4.6 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1-Dichloroethane | 4.6 | U | 4.6 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,1-Dichloroethene | 4.6 | U | 4.6 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,1-Dichloropropene | 4.6 | U | 4.6 | 0.88 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2,3-Trichlorobenzene | 4.6 | U | 4.6 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2,3-Trichloropropane | 4.6 | U | 4.6 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2,4-Trichlorobenzene | 4.6 | U | 4.6 | 0.82 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2,4-Trimethylbenzene | 4.6 | U | 4.6 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2-Dibromo-3-Chloropropane | 9.3 | U | 9.3 | 4.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2-Dichlorobenzene | 4.6 | U | 4.6 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2-Dichloroethane | 4.6 | U | 4.6 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2-Dichloroethene, Total | 9.3 | U | 9.3 | 0.58 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2-Dichloropropane | 4.6 | U | 4.6 | 0.80 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,3,5-Trimethylbenzene | 4.6 | U | 4.6 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,3-Dichlorobenzene | 4.6 | U | 4.6 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,3-Dichloropropane | 4.6 | U | 4.6 | 1.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,4-Dichlorobenzene | 4.6 | U | 4.6 | 0.69 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 2,2-Dichloropropane | 4.6 | U | 4.6 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 2-Chlorotoluene | 4.6 | U | 4.6 | 1.9 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 2-Hexanone | 23 | U | 23 | 3.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 4-Chlorotoluene | 4.6 | U | 4.6 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Acetone | 46 | U | 46 | 10 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Benzene | 4.6 | U | 4.6 | 0.68 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Bromobenzene | 4.6 | U | 4.6 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Bromochloromethane | 4.6 | U | 4.6 | 3.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Bromoform | 4.6 | U | 4.6 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Bromodichloromethane | 4.6 | U | 4.6 | 0.90 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Bromomethane | 4.6 | U | 4.6 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Carbon disulfide | 4.6 | U | 4.6 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Carbon tetrachloride | 4.6 | U | 4.6 | 0.77 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Chlorobenzene | 4.6 | U | 4.6 | 0.89 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Chloroethane | 4.6 | U | 4.6 | 2.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Chloroform | 4.6 | U | 4.6 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Chloromethane | 4.6 | U | 4.6 | 0.93 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| cis-1,2-Dichloroethene | 4.6 | U | 4.6 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| cis-1,3-Dichloropropene | 4.6 | U | 4.6 | 0.77 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Dibromochloromethane | 4.6 | U | 4.6 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Dibromomethane | 4.6 | U | 4.6 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Dichlorodifluoromethane | 4.6 | U | 4.6 | 0.87 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Ethylbenzene | 4.6 | U | 4.6 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Hexachlorobutadiene | 4.6 | U | 4.6 | 2.9 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Isopropylbenzene | 4.6 | U | 4.6 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| m-Xylene & p-Xylene | 4.6 | U | 4.6 | 2.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Methyl tert-butyl ether | 4.6 | U | 4.6 | 0.93 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Methylene Chloride | 4.6 | U | 4.6 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Naphthalene | 4.6 | U | 4.6 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 4-Methyl-2-pentanone | 23 | U | 23 | 3.9 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 2-Butanone (MEK) | 23 | U | 23 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| 1,2-Dibromoethane | 4.6 | U | 4.6 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| n-Butylbenzene | 4.6 | U | 4.6 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|---------------|-------|---|-----------------|----------------|-----------------|
| N-Propylbenzene | 4.6 | U | 4.6 | 2.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| o-Xylene | 4.6 | U | 4.6 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| p-Isopropyltoluene | 4.6 | U | 4.6 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| sec-Butylbenzene | 4.6 | U | 4.6 | 1.9 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Styrene | 4.6 | U | 4.6 | 0.86 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| tert-Butylbenzene | 4.6 | U | 4.6 | 1.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Tetrachloroethene | 4.6 | U | 4.6 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Toluene | 4.6 | U | 4.6 | 0.78 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| trans-1,2-Dichloroethene | 4.6 | U | 4.6 | 0.58 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| trans-1,3-Dichloropropene | 4.6 | U | 4.6 | 0.81 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Trichloroethene | 4.6 | U | 4.6 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Trichlorofluoromethane | 4.6 | U | 4.6 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Vinyl acetate | 9.3 | U * | 9.3 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Vinyl chloride | 4.6 | U | 4.6 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Xylenes, Total | 9.3 | U | 9.3 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:00 | 1 |
| Surrogate | | | | Limits | | | Prepared | | Analyzed |
| Toluene-d8 (Surr) | 96 | | | 70 - 130 | | | 11/05/20 08:50 | | 11/05/20 19:00 |
| 1,2-Dichloroethane-d4 (Surr) | 116 | | | 70 - 130 | | | 11/05/20 08:50 | | 11/05/20 19:00 |
| Dibromofluoromethane (Surr) | 114 | | | 70 - 130 | | | 11/05/20 08:50 | | 11/05/20 19:00 |
| 4-Bromofluorobenzene (Surr) | 109 | | | 70 - 130 | | | 11/05/20 08:50 | | 11/05/20 19:00 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Benzaldehyde | 400 | U | 400 | 70 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Phenol | 400 | U | 400 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Bis(2-chloroethyl)ether | 400 | U | 400 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2-Chlorophenol | 400 | U | 400 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2-Methylphenol | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| bis (2-chloroisopropyl) ether | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Acetophenone | 400 | U | 400 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 3 & 4 Methylphenol | 400 | U | 400 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| N-Nitrosodi-n-propylamine | 400 | U | 400 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Hexachloroethane | 400 | U | 400 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Nitrobenzene | 400 | U | 400 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Isophorone | 400 | U | 400 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2-Nitrophenol | 400 | U | 400 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,4-Dimethylphenol | 400 | U | 400 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Bis(2-chloroethoxy)methane | 400 | U | 400 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,4-Dichlorophenol | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Naphthalene | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 4-Chloroaniline | 790 | U | 790 | 63 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Hexachlorobutadiene | 400 | U | 400 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Caprolactam | 400 | U | 400 | 79 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 4-Chloro-3-methylphenol | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2-Methylnaphthalene | 400 | U | 400 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Hexachlorocyclopentadiene | 400 | U | 400 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,4,6-Trichlorophenol | 400 | U | 400 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,4,5-Trichlorophenol | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 1,1'-Biphenyl | 2000 | U | 2000 | 2000 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| 2-Chloronaphthalene | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2-Nitroaniline | 2000 | U | 2000 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Dimethyl phthalate | 400 | U | 400 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,6-Dinitrotoluene | 400 | U | 400 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Acenaphthylene | 400 | U | 400 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 3-Nitroaniline | 2000 | U | 2000 | 55 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Acenaphthene | 400 | U | 400 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,4-Dinitrophenol | 2000 | U | 2000 | 1000 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 4-Nitrophenol | 2000 | U | 2000 | 400 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Dibenzofuran | 400 | U | 400 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,4-Dinitrotoluene | 400 | U | 400 | 59 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Diethyl phthalate | 400 | U | 400 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Fluorene | 400 | U | 400 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 4-Chlorophenyl phenyl ether | 400 | U | 400 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 4-Nitroaniline | 2000 | U | 2000 | 59 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 4,6-Dinitro-2-methylphenol | 2000 | U | 2000 | 200 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| N-Nitrosodiphenylamine | 400 | U | 400 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 4-Bromophenyl phenyl ether | 400 | U | 400 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Hexachlorobenzene | 400 | U | 400 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Atrazine | 400 | U | 400 | 28 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Pentachlorophenol | 2000 | U | 2000 | 400 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Phenanthrene | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Anthracene | 400 | U | 400 | 30 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Carbazole | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Di-n-butyl phthalate | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Fluoranthene | 400 | U | 400 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Pyrene | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Butyl benzyl phthalate | 400 | U | 400 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 3,3'-Dichlorobenzidine | 790 | U | 790 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Benzo[a]anthracene | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Chrysene | 400 | U | 400 | 25 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Bis(2-ethylhexyl) phthalate | 400 | U | 400 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Di-n-octyl phthalate | 400 | U | 400 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Benzo[b]fluoranthene | 400 | U | 400 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Benzo[k]fluoranthene | 400 | U | 400 | 78 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Benzo[a]pyrene | 400 | U | 400 | 63 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Indeno[1,2,3-cd]pyrene | 400 | U | 400 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Dibenz(a,h)anthracene | 400 | U | 400 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Benzo[g,h,i]perylene | 400 | U | 400 | 26 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 1-Methylnaphthalene | 400 | U | 400 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Nitrobenzene-d5 (Surr) | 56 | | 37 - 115 | | | | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2-Fluorobiphenyl (Surr) | 49 | | 41 - 116 | | | | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Terphenyl-d14 (Surr) | 59 | | 46 - 126 | | | | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| Phenol-d5 (Surr) | 52 | | 38 - 122 | | | | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2-Fluorophenol (Surr) | 54 | | 39 - 114 | | | | 11/12/20 10:37 | 11/13/20 19:01 | 1 |
| 2,4,6-Tribromophenol (Surr) | 50 | | 45 - 129 | | | | 11/12/20 10:37 | 11/13/20 19:01 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

Percent Solids: 81.0

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 12 | U | 12 | 3.0 | mg/Kg | ⊗ | 11/05/20 09:06 | 11/16/20 14:40 | 100 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene | 80 | | 70 - 131 | | | | 11/05/20 09:06 | 11/16/20 14:40 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Diesel Range Organics [C10-C28] | 4.1 | | 3.9 | 2.5 | mg/Kg | ⊗ | 11/07/20 10:30 | 11/09/20 17:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl (Surr) | 50 | | 45 - 130 | | | | 11/07/20 10:30 | 11/09/20 17:28 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | 20 | U | 20 | 6.7 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| PCB-1221 | 20 | U | 20 | 9.2 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| PCB-1232 | 20 | U | 20 | 3.2 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| PCB-1242 | 20 | U | 20 | 3.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| PCB-1248 | 20 | U | 20 | 5.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| PCB-1254 | 20 | U | 20 | 6.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| PCB-1260 | 20 | U | 20 | 5.9 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | 73 | | 46 - 130 | | | | 11/10/20 08:56 | 11/11/20 01:05 | 1 |
| DCB Decachlorobiphenyl | 65 | | 54 - 133 | | | | 11/10/20 08:56 | 11/11/20 01:05 | 1 |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|-------------|--------------|------------|--------------|-------------|----------|-----------------------|-----------------------|----------|
| 2,3,7,8-TCDD | 1.3 | U | 1.3 | 0.069 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total TCDD | 1.4 | I | 1.3 | 0.069 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,7,8-PeCDD | 0.33 | J I B | 6.4 | 0.040 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total PeCDD | 2.7 | J I B | 6.4 | 0.040 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.52 | J I B | 6.4 | 0.058 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,6,7,8-HxCDD | 1.1 | J B | 6.4 | 0.058 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,7,8,9-HxCDD | 1.2 | J I | 6.4 | 0.055 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total HxCDD | 9.4 | I B | 6.4 | 0.057 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 23 | B | 6.4 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total HpCDD | 46 | B | 6.4 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| OCDD | 1100 | B | 13 | 0.050 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 2,3,7,8-TCDF | 0.91 | J | 1.3 | 0.056 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total TCDF | 12 | I | 1.3 | 0.056 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,7,8-PeCDF | 0.19 | J | 6.4 | 0.053 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 2,3,4,7,8-PeCDF | 0.31 | J I | 6.4 | 0.046 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total PeCDF | 8.3 | I | 6.4 | 0.050 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,4,7,8-HxCDF | 0.58 | J I | 6.4 | 0.084 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,6,7,8-HxCDF | 0.29 | J I | 6.4 | 0.092 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 2,3,4,6,7,8-HxCDF | 0.26 | J I | 6.4 | 0.095 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,7,8,9-HxCDF | 6.4 | U | 6.4 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total HxCDF | 4.3 | J I | 6.4 | 0.096 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 1.5 | J B | 6.4 | 0.043 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

Percent Solids: 81.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|-------|------|---|-----------------|-----------------|----------------|
| 1,2,3,4,7,8,9-HpCDF | 0.17 | J I B | 6.4 | 0.054 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| Total HpCDF | 2.7 | J I B | 6.4 | 0.049 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| OCDF | 2.4 | J B | 13 | 0.025 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C-2,3,7,8-TCDD | 64 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,7,8-PeCDD | 55 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 63 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 69 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 77 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-OCDD | 77 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-2,3,7,8-TCDF | 62 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,7,8-PeCDF | 54 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-2,3,4,7,8-PeCDF | 54 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 70 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 64 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 67 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 67 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 72 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 73 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |
| 13C-OCDF | 69 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 03:30 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 1.6 | J | 2.3 | 0.93 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:37 | 1 |
| Barium | 110 | | 1.2 | 0.19 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:37 | 1 |
| Cadmium | 0.58 | U | 0.58 | 0.12 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:37 | 1 |
| Chromium | 8.3 | | 1.2 | 0.24 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:37 | 1 |
| Silver | 1.2 | U | 1.2 | 0.070 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:37 | 1 |
| Lead | 20 | | 1.2 | 0.40 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:37 | 1 |
| Selenium | 2.9 | U | 2.9 | 1.1 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:37 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.064 | | 0.021 | 0.0084 | mg/Kg | ⊗ | 11/10/20 16:32 | 11/11/20 20:17 | 1 |

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid

Percent Solids: 68.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | 6.8 | U | 6.8 | 3.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,1,1-Trichloroethane | 6.8 | U | 6.8 | 0.80 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,1,2,2-Tetrachloroethane | 6.8 | U | 6.8 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,1,2-Trichloroethane | 6.8 | U | 6.8 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,1-Dichloroethane | 6.8 | U | 6.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,1-Dichloroethene | 6.8 | U | 6.8 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,1-Dichloropropene | 6.8 | U | 6.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2,3-Trichlorobenzene | 6.8 | U | 6.8 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2,3-Trichloropropane | 6.8 | U | 6.8 | 3.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid

Percent Solids: 68.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,2,4-Trichlorobenzene | 6.8 | U | 6.8 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2,4-Trimethylbenzene | 6.8 | U | 6.8 | 1.9 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2-Dibromo-3-Chloropropane | 14 | U | 14 | 6.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2-Dichlorobenzene | 6.8 | U | 6.8 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2-Dichloroethane | 6.8 | U | 6.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2-Dichloroethene, Total | 14 | U | 14 | 0.85 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2-Dichloropropane | 6.8 | U | 6.8 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,3,5-Trimethylbenzene | 6.8 | U | 6.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,3-Dichlorobenzene | 6.8 | U | 6.8 | 2.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,3-Dichloropropane | 6.8 | U | 6.8 | 2.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,4-Dichlorobenzene | 6.8 | U | 6.8 | 1.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 2,2-Dichloropropane | 6.8 | U | 6.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 2-Chlorotoluene | 6.8 | U | 6.8 | 2.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 2-Hexanone | 34 | U | 34 | 4.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 4-Chlorotoluene | 6.8 | U | 6.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Acetone | 32 | J | 68 | 15 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Benzene | 6.8 | U | 6.8 | 0.99 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Bromobenzene | 6.8 | U | 6.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Bromochloromethane | 6.8 | U | 6.8 | 4.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Bromoform | 6.8 | U | 6.8 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Bromodichloromethane | 6.8 | U | 6.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Bromomethane | 6.8 | U | 6.8 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Carbon disulfide | 6.8 | U | 6.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Carbon tetrachloride | 6.8 | U | 6.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Chlorobenzene | 6.8 | U | 6.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Chloroethane | 6.8 | U | 6.8 | 3.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Chloroform | 6.8 | U | 6.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Chloromethane | 6.8 | U | 6.8 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| cis-1,2-Dichloroethene | 6.8 | U | 6.8 | 1.9 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| cis-1,3-Dichloropropene | 6.8 | U | 6.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Dibromochloromethane | 6.8 | U | 6.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Dibromomethane | 6.8 | U | 6.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Dichlorodifluoromethane | 6.8 | U | 6.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Ethylbenzene | 6.8 | U | 6.8 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Hexachlorobutadiene | 6.8 | U | 6.8 | 4.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Isopropylbenzene | 6.8 | U | 6.8 | 2.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| m-Xylene & p-Xylene | 6.8 | U | 6.8 | 3.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Methyl tert-butyl ether | 6.8 | U | 6.8 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Methylene Chloride | 6.8 | U | 6.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Naphthalene | 6.8 | U | 6.8 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 4-Methyl-2-pentanone | 34 | U | 34 | 5.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 2-Butanone (MEK) | 34 | U | 34 | 3.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2-Dibromoethane | 6.8 | U | 6.8 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| n-Butylbenzene | 6.8 | U | 6.8 | 3.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| N-Propylbenzene | 6.8 | U | 6.8 | 3.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| o-Xylene | 6.8 | U | 6.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| p-Isopropyltoluene | 6.8 | U | 6.8 | 3.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| sec-Butylbenzene | 6.8 | U | 6.8 | 2.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Styrene | 6.8 | U | 6.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid

Percent Solids: 68.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| tert-Butylbenzene | 6.8 | U | 6.8 | 2.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Tetrachloroethene | 6.8 | U | 6.8 | 2.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Toluene | 6.8 | U | 6.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| trans-1,2-Dichloroethene | 6.8 | U | 6.8 | 0.85 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| trans-1,3-Dichloropropene | 6.8 | U | 6.8 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Trichloroethene | 6.8 | U | 6.8 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Trichlorofluoromethane | 6.8 | U | 6.8 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Vinyl acetate | 14 | U * | 14 | 3.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Vinyl chloride | 6.8 | U | 6.8 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Xylenes, Total | 14 | U | 14 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 102 | | | 70 - 130 | | | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 113 | | | 70 - 130 | | | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| Dibromofluoromethane (Surr) | 109 | | | 70 - 130 | | | 11/05/20 08:50 | 11/05/20 19:23 | 1 |
| 4-Bromofluorobenzene (Surr) | 132 | X | | 70 - 130 | | | 11/05/20 08:50 | 11/05/20 19:23 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Benzaldehyde | 470 | U | 470 | 82 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Phenol | 470 | U | 470 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Bis(2-chloroethyl)ether | 470 | U | 470 | 64 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Chlorophenol | 470 | U | 470 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Methylphenol | 470 | U | 470 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| bis (2-chloroisopropyl) ether | 470 | U | 470 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Acetophenone | 470 | U | 470 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 3 & 4 Methylphenol | 470 | U | 470 | 61 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| N-Nitrosodi-n-propylamine | 470 | U | 470 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Hexachloroethane | 470 | U | 470 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Nitrobenzene | 470 | U | 470 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Isophorone | 470 | U | 470 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Nitrophenol | 470 | U | 470 | 58 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,4-Dimethylphenol | 470 | U | 470 | 62 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Bis(2-chloroethoxy)methane | 470 | U | 470 | 55 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,4-Dichlorophenol | 470 | U | 470 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Naphthalene | 470 | U | 470 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 4-Chloroaniline | 940 | U | 940 | 74 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Hexachlorobutadiene | 470 | U | 470 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Caprolactam | 470 | U | 470 | 94 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 4-Chloro-3-methylphenol | 470 | U | 470 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Methylnaphthalene | 470 | U | 470 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Hexachlorocyclopentadiene | 470 | U | 470 | 58 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,4,6-Trichlorophenol | 470 | U | 470 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,4,5-Trichlorophenol | 470 | U | 470 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 1,1'-Biphenyl | 2400 | U | 2400 | 2400 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Chloronaphthalene | 470 | U | 470 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Nitroaniline | 2400 | U | 2400 | 64 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Dimethyl phthalate | 470 | U | 470 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,6-Dinitrotoluene | 470 | U | 470 | 60 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Acenaphthylene | 470 | U | 470 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30

Lab Sample ID: 680-191026-3

Date Received: 11/04/20 09:30

Matrix: Solid

Percent Solids: 68.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 3-Nitroaniline | 2400 | U | 2400 | 65 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Acenaphthene | 470 | U | 470 | 58 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,4-Dinitrophenol | 2400 | U | 2400 | 1200 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 4-Nitrophenol | 2400 | U | 2400 | 470 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Dibenzofuran | 470 | U | 470 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,4-Dinitrotoluene | 470 | U | 470 | 69 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Diethyl phthalate | 470 | U | 470 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Fluorene | 470 | U | 470 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 4-Chlorophenyl phenyl ether | 470 | U | 470 | 62 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 4-Nitroaniline | 2400 | U | 2400 | 69 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 4,6-Dinitro-2-methylphenol | 2400 | U | 2400 | 240 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| N-Nitrosodiphenylamine | 470 | U | 470 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 4-Bromophenyl phenyl ether | 470 | U | 470 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Hexachlorobenzene | 470 | U | 470 | 55 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Atrazine | 470 | U | 470 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Pentachlorophenol | 2400 | U | 2400 | 470 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Phenanthrene | 470 | U | 470 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Anthracene | 470 | U | 470 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Carbazole | 470 | U | 470 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Di-n-butyl phthalate | 470 | U | 470 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Fluoranthene | 470 | U | 470 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Pyrene | 470 | U | 470 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Butyl benzyl phthalate | 470 | U | 470 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 3,3'-Dichlorobenzidine | 940 | U | 940 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Benzo[a]anthracene | 470 | U | 470 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Chrysene | 470 | U | 470 | 30 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Bis(2-ethylhexyl) phthalate | 470 | U | 470 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Di-n-octyl phthalate | 470 | U | 470 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Benzo[b]fluoranthene | 470 | U | 470 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Benzo[k]fluoranthene | 470 | U | 470 | 92 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Benzo[a]pyrene | 470 | U | 470 | 74 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Indeno[1,2,3-cd]pyrene | 470 | U | 470 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Dibenz(a,h)anthracene | 470 | U | 470 | 55 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Benzo[g,h,i]perylene | 470 | U | 470 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 1-Methylnaphthalene | 470 | U | 470 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:25 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 (Surr) | 41 | | 37 - 115 | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Fluorobiphenyl (Surr) | 39 | X | 41 - 116 | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Terphenyl-d14 (Surr) | 45 | X | 46 - 126 | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| Phenol-d5 (Surr) | 39 | | 38 - 122 | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2-Fluorophenol (Surr) | 36 | X | 39 - 114 | 11/12/20 10:37 | 11/13/20 19:25 | 1 |
| 2,4,6-Tribromophenol (Surr) | 38 | X | 45 - 129 | 11/12/20 10:37 | 11/13/20 19:25 | 1 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 18 | U | 18 | 4.4 | mg/Kg | ⊗ | 11/05/20 09:06 | 11/16/20 15:03 | 100 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid
Percent Solids: 68.5

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 81 | | 70 - 131 | 11/05/20 09:06 | 11/16/20 15:03 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 6.1 | | 4.6 | 3.0 | mg/Kg | ⊗ | 11/07/20 10:30 | 11/09/20 18:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 31 | X | 45 - 130 | 11/07/20 10:30 | 11/09/20 18:45 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 23 | U | 23 | 7.8 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:22 | 1 |
| PCB-1221 | 23 | U | 23 | 11 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:22 | 1 |
| PCB-1232 | 23 | U | 23 | 3.7 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:22 | 1 |
| PCB-1242 | 23 | U | 23 | 3.5 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:22 | 1 |
| PCB-1248 | 23 | U | 23 | 5.8 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:22 | 1 |
| PCB-1254 | 23 | U | 23 | 7.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:22 | 1 |
| PCB-1260 | 23 | U | 23 | 6.8 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:22 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 49 | | 46 - 130 | 11/10/20 08:56 | 11/11/20 01:22 | 1 |
| DCB Decachlorobiphenyl | 41 | X | 54 - 133 | 11/10/20 08:56 | 11/11/20 01:22 | 1 |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| 2,3,7,8-TCDD | 0.12 | J I | 1.5 | 0.063 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total TCDD | 2.6 | I | 1.5 | 0.063 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,7,8-PeCDD | 0.46 | J B | 7.7 | 0.097 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total PeCDD | 3.8 | J I B | 7.7 | 0.097 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.74 | J B | 7.7 | 0.038 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,6,7,8-HxCDD | 0.92 | J B | 7.7 | 0.037 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,7,8,9-HxCDD | 1.7 | J | 7.7 | 0.035 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total HxCDD | 15 | B | 7.7 | 0.037 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 56 | B | 7.7 | 0.10 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total HpCDD | 110 | B | 7.7 | 0.10 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| OCDD | 7500 | E B | 15 | 0.039 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 2,3,7,8-TCDF | 0.97 | J | 1.5 | 0.059 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total TCDF | 7.7 | I | 1.5 | 0.059 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,7,8-PeCDF | 0.32 | J | 7.7 | 0.072 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 2,3,4,7,8-PeCDF | 0.37 | J I | 7.7 | 0.065 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total PeCDF | 4.9 | J I | 7.7 | 0.068 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,4,7,8-HxCDF | 0.60 | J | 7.7 | 0.065 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,6,7,8-HxCDF | 0.28 | J I | 7.7 | 0.071 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 2,3,4,6,7,8-HxCDF | 0.28 | J I | 7.7 | 0.070 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,7,8,9-HxCDF | 7.7 | U | 7.7 | 0.081 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total HxCDF | 3.3 | J I | 7.7 | 0.072 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 1.4 | J B | 7.7 | 0.045 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 0.13 | J B | 7.7 | 0.057 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| Total HpCDF | 2.7 | J B | 7.7 | 0.051 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| OCDF | 2.9 | J B | 15 | 0.028 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 04:31 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid

Percent Solids: 68.5

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 13C-2,3,7,8-TCDD | 66 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,7,8-PeCDD | 57 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 65 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 73 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 80 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-OCDD | 87 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-2,3,7,8-TCDF | 64 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,7,8-PeCDF | 58 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-2,3,4,7,8-PeCDF | 57 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 71 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 63 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 67 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 69 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 73 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 74 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |
| 13C-OCDF | 73 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 04:31 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 3.6 | | 2.8 | 1.1 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:42 | 1 |
| Barium | 96 | | 1.4 | 0.22 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:42 | 1 |
| Cadmium | 0.69 | U | 0.69 | 0.14 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:42 | 1 |
| Chromium | 13 | | 1.4 | 0.29 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:42 | 1 |
| Silver | 1.4 | U | 1.4 | 0.083 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:42 | 1 |
| Lead | 25 | | 1.4 | 0.47 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:42 | 1 |
| Selenium | 3.5 | U | 3.5 | 1.3 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 07:42 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.086 | | 0.025 | 0.010 | mg/Kg | ⊗ | 11/10/20 16:32 | 11/11/20 20:08 | 1 |

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | 4.8 | U | 4.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,1,1-Trichloroethane | 4.8 | U | 4.8 | 0.57 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,1,2,2-Tetrachloroethane | 4.8 | U | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,1,2-Trichloroethane | 4.8 | U | 4.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,1-Dichloroethane | 4.8 | U | 4.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,1-Dichloroethene | 4.8 | U | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,1-Dichloropropene | 4.8 | U | 4.8 | 0.92 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2,3-Trichlorobenzene | 4.8 | U *3 | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2,3-Trichloropropane | 4.8 | U | 4.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2,4-Trichlorobenzene | 4.8 | U *3 | 4.8 | 0.86 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2,4-Trimethylbenzene | 4.8 | U | 4.8 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2-Dibromo-3-Chloropropane | 9.7 | U *3 | 9.7 | 4.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2-Dichlorobenzene | 4.8 | U *3 | 4.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2-Dichloroethane | 4.8 | U | 4.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,2-Dichloroethene, Total | 9.7 | U | 9.7 | 0.61 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2-Dichloropropane | 4.8 | U | 4.8 | 0.83 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,3,5-Trimethylbenzene | 4.8 | U | 4.8 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,3-Dichlorobenzene | 4.8 | U *3 | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,3-Dichloropropane | 4.8 | U | 4.8 | 1.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,4-Dichlorobenzene | 4.8 | U *3 | 4.8 | 0.72 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 2,2-Dichloropropane | 4.8 | U | 4.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 2-Chlorotoluene | 4.8 | U | 4.8 | 1.9 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 2-Hexanone | 24 | U | 24 | 3.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 4-Chlorotoluene | 4.8 | U | 4.8 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Acetone | 48 | U | 48 | 11 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Benzene | 4.8 | U | 4.8 | 0.71 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Bromobenzene | 4.8 | U | 4.8 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Bromo(chloromethane | 4.8 | U | 4.8 | 3.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Bromoform | 4.8 | U | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Bromodichloromethane | 4.8 | U | 4.8 | 0.94 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Bromomethane | 4.8 | U | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Carbon disulfide | 4.8 | U | 4.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Carbon tetrachloride | 4.8 | U | 4.8 | 0.80 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Chlorobenzene | 4.8 | U | 4.8 | 0.93 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Chloroethane | 4.8 | U | 4.8 | 2.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Chloroform | 4.8 | U | 4.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Chloromethane | 4.8 | U | 4.8 | 0.97 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| cis-1,2-Dichloroethene | 4.8 | U | 4.8 | 1.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| cis-1,3-Dichloropropene | 4.8 | U | 4.8 | 0.80 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Dibromo(chloromethane | 4.8 | U | 4.8 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Dibromomethane | 4.8 | U | 4.8 | 1.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Dichlorodifluoromethane | 4.8 | U | 4.8 | 0.91 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Ethylbenzene | 4.8 | U | 4.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Hexachlorobutadiene | 4.8 | U *3 | 4.8 | 3.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Isopropylbenzene | 4.8 | U | 4.8 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| m-Xylene & p-Xylene | 4.8 | U | 4.8 | 2.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Methyl tert-butyl ether | 4.8 | U | 4.8 | 0.97 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Methylene Chloride | 4.8 | U | 4.8 | 0.95 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Naphthalene | 4.8 | U *3 | 4.8 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 4-Methyl-2-pentanone | 24 | U | 24 | 4.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 2-Butanone (MEK) | 24 | U | 24 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2-Dibromoethane | 4.8 | U | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| n-Butylbenzene | 4.8 | U *3 | 4.8 | 2.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| N-Propylbenzene | 4.8 | U | 4.8 | 2.6 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| o-Xylene | 4.8 | U | 4.8 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| p-Isopropyltoluene | 4.8 | U *3 | 4.8 | 2.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| sec-Butylbenzene | 4.8 | U | 4.8 | 2.0 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Styrene | 4.8 | U | 4.8 | 0.90 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| tert-Butylbenzene | 4.8 | U | 4.8 | 1.7 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Tetrachloroethene | 4.8 | U | 4.8 | 1.8 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Toluene | 4.8 | U | 4.8 | 0.81 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| trans-1,2-Dichloroethene | 4.8 | U | 4.8 | 0.61 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| trans-1,3-Dichloropropene | 4.8 | U | 4.8 | 0.84 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Trichloroethene | 4.8 | U | 4.8 | 1.3 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Trichlorofluoromethane | 4.8 | U | 4.8 | 1.2 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Vinyl acetate | 9.7 | U | 9.7 | 2.4 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Vinyl chloride | 4.8 | U | 4.8 | 1.5 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Xylenes, Total | 9.7 | U | 9.7 | 1.1 | ug/Kg | ⊗ | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 120 | | 70 - 130 | | | | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 70 - 130 | | | | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 70 - 130 | | | | 11/05/20 08:50 | 11/11/20 15:02 | 1 |
| 4-Bromofluorobenzene (Surr) | 136 | X *3 | 70 - 130 | | | | 11/05/20 08:50 | 11/11/20 15:02 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Benzaldehyde | 400 | U | 400 | 70 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Phenol | 400 | U | 400 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Bis(2-chloroethyl)ether | 400 | U | 400 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Chlorophenol | 400 | U | 400 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Methylphenol | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| bis (2-chloroisopropyl) ether | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Acetophenone | 400 | U | 400 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 3 & 4 Methylphenol | 400 | U | 400 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| N-Nitrosodi-n-propylamine | 400 | U | 400 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Hexachloroethane | 400 | U | 400 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Nitrobenzene | 400 | U | 400 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Isophorone | 400 | U | 400 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Nitrophenol | 400 | U | 400 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2,4-Dimethylphenol | 400 | U | 400 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Bis(2-chloroethoxy)methane | 400 | U | 400 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2,4-Dichlorophenol | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Naphthalene | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 4-Chloroaniline | 800 | U | 800 | 63 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Hexachlorobutadiene | 400 | U | 400 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Caprolactam | 400 | U | 400 | 80 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 4-Chloro-3-methylphenol | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Methylnaphthalene | 400 | U | 400 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Hexachlorocyclopentadiene | 400 | U | 400 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2,4,6-Trichlorophenol | 400 | U | 400 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2,4,5-Trichlorophenol | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 1,1'-Biphenyl | 2100 | U | 2100 | 2100 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Chloronaphthalene | 400 | U | 400 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Nitroaniline | 2100 | U | 2100 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Dimethyl phthalate | 400 | U | 400 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2,6-Dinitrotoluene | 400 | U | 400 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Acenaphthylene | 400 | U | 400 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 3-Nitroaniline | 2100 | U | 2100 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Acenaphthene | 400 | U | 400 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2,4-Dinitrophenol | 2100 | U | 2100 | 1000 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 4-Nitrophenol | 2100 | U | 2100 | 400 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Dibenzofuran | 400 | U | 400 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 2,4-Dinitrotoluene | 400 | U | 400 | 59 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Diethyl phthalate | 400 | U | 400 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Fluorene | 400 | U | 400 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 4-Chlorophenyl phenyl ether | 400 | U | 400 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 4-Nitroaniline | 2100 | U | 2100 | 59 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 4,6-Dinitro-2-methylphenol | 2100 | U | 2100 | 210 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| N-Nitrosodiphenylamine | 400 | U | 400 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 4-Bromophenyl phenyl ether | 400 | U | 400 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Hexachlorobenzene | 400 | U | 400 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Atrazine | 400 | U | 400 | 28 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Pentachlorophenol | 2100 | U | 2100 | 400 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Phenanthrene | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Anthracene | 400 | U | 400 | 30 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Carbazole | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Di-n-butyl phthalate | 400 | U | 400 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Fluoranthene | 400 | U | 400 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Pyrene | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Butyl benzyl phthalate | 400 | U | 400 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 3,3'-Dichlorobenzidine | 800 | U | 800 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Benzo[a]anthracene | 400 | U | 400 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Chrysene | 400 | U | 400 | 25 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Bis(2-ethylhexyl) phthalate | 400 | U | 400 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Di-n-octyl phthalate | 400 | U | 400 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Benzo[b]fluoranthene | 400 | U | 400 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Benzo[k]fluoranthene | 400 | U | 400 | 79 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Benzo[a]pyrene | 400 | U | 400 | 63 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Indeno[1,2,3-cd]pyrene | 400 | U | 400 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Dibenz(a,h)anthracene | 400 | U | 400 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Benzo[g,h,i]perylene | 400 | U | 400 | 27 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 1-Methylnaphthalene | 400 | U | 400 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 19:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 (Surr) | 28 | X | 37 - 115 | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Fluorobiphenyl (Surr) | 30 | X | 41 - 116 | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Terphenyl-d14 (Surr) | 39 | X | 46 - 126 | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| Phenol-d5 (Surr) | 31 | X | 38 - 122 | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2-Fluorophenol (Surr) | 31 | X | 39 - 114 | 11/12/20 10:37 | 11/13/20 19:48 | 1 |
| 2,4,6-Tribromophenol (Surr) | 33 | X | 45 - 129 | 11/12/20 10:37 | 11/13/20 19:48 | 1 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 14 | U | 14 | 3.4 | mg/Kg | ⊗ | 11/05/20 09:06 | 11/16/20 15:26 | 100 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene | 80 | | 70 - 131 | | | | 11/05/20 09:06 | 11/16/20 15:26 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 160 | | 4.1 | 2.6 | mg/Kg | ⊗ | 11/07/20 10:30 | 11/09/20 19:00 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o-Terphenyl (Surr)</i> | 60 | | 45 - 130 | 11/07/20 10:30 | 11/09/20 19:00 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | 21 | U | 21 | 6.9 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| PCB-1221 | 21 | U | 21 | 9.3 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| PCB-1232 | 21 | U | 21 | 3.2 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| PCB-1242 | 21 | U | 21 | 3.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| PCB-1248 | 21 | U | 21 | 5.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| PCB-1254 | 130 | | 21 | 6.2 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| PCB-1260 | 21 | U | 21 | 6.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>Tetrachloro-m-xylene</i> | 79 | | 46 - 130 | | | | 11/10/20 08:56 | 11/11/20 01:38 | 1 |
| <i>DCB Decachlorobiphenyl</i> | 46 | X | 54 - 133 | | | | 11/10/20 08:56 | 11/11/20 01:38 | 1 |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|------------------|------------------|---------------|-------|------|---|-----------------|-----------------|----------------|
| 2,3,7,8-TCDD | 1.4 | I | 1.3 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Total TCDD | 70 | I | 1.3 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,7,8-PeCDD | 5.4 | J I B | 6.3 | 0.79 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Total PeCDD | 76 | I B | 6.3 | 0.79 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,4,7,8-HxCDD | 4.5 | J B | 6.3 | 0.062 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,6,7,8-HxCDD | 11 | B | 6.3 | 0.061 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,7,8,9-HxCDD | 15 | | 6.3 | 0.058 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Total HxCDD | 130 | B | 6.3 | 0.060 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 180 | B | 6.3 | 0.097 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Total HpCDD | 340 | B | 6.3 | 0.097 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| OCDD | 1800 | B | 13 | 0.042 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 2,3,7,8-TCDF | 16 | | 1.3 | 0.78 | pg/g | ⊗ | 11/13/20 08:39 | 11/24/20 14:11 | 1 |
| Total TCDF | 360 | I | 1.3 | 0.29 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,7,8-PeCDF | 10 | | 6.3 | 0.23 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 2,3,4,7,8-PeCDF | 19 | | 6.3 | 0.21 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Total PeCDF | 210 | I | 6.3 | 0.22 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,4,7,8-HxCDF | 33 | | 6.3 | 0.23 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,6,7,8-HxCDF | 14 | I | 6.3 | 0.26 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 2,3,4,6,7,8-HxCDF | 16 | | 6.3 | 0.26 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,7,8,9-HxCDF | 0.76 | J | 6.3 | 0.29 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Total HxCDF | 130 | I | 6.3 | 0.26 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 54 | B | 6.3 | 0.091 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 4.3 | J B | 6.3 | 0.10 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Total HpCDF | 94 | B | 6.3 | 0.097 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| OCDF | 48 | B | 13 | 0.040 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>13C-2,3,7,8-TCDD</i> | 64 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| <i>13C-1,2,3,7,8-PeCDD</i> | 55 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| <i>13C-1,2,3,4,7,8-HxCDD</i> | 58 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| <i>13C-1,2,3,6,7,8-HxCDD</i> | 60 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| <i>13C-1,2,3,4,6,7,8-HpCDD</i> | 69 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| <i>13C-OCDD</i> | 67 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 05:32 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 13C-2,3,7,8-TCDF | 60 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-2,3,7,8-TCDF | 67 | | 40 - 135 | 11/13/20 08:39 | 11/24/20 14:11 | 1 |
| 13C-1,2,3,7,8-PeCDF | 54 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-2,3,4,7,8-PeCDF | 54 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 61 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 55 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 56 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 60 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 61 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 66 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |
| 13C-OCDF | 56 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 05:32 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 8.0 | | 2.4 | 0.96 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 07:57 | 1 |
| Barium | 250 | F2 | 1.2 | 0.19 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 07:57 | 1 |
| Cadmium | 8.7 | F1 | 0.60 | 0.12 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 07:57 | 1 |
| Chromium | 43 | F1 | 1.2 | 0.25 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 07:57 | 1 |
| Silver | 1.7 | | 1.2 | 0.072 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 07:57 | 1 |
| Lead | 500 | | 1.2 | 0.41 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 07:57 | 1 |
| Selenium | 3.0 | U | 3.0 | 1.2 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 07:57 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.90 | | 0.11 | 0.045 | mg/Kg | ☀ | 11/10/20 16:32 | 11/12/20 12:50 | 5 |

Client Sample ID: SR-1

Date Collected: 11/03/20 16:28
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-5

Matrix: Solid

Percent Solids: 77.4

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 41 | | 1.2 | 0.40 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 08:11 | 1 |

Client Sample ID: SR-2

Date Collected: 11/03/20 16:38
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-6

Matrix: Solid

Percent Solids: 77.2

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 31 | | 1.1 | 0.37 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 08:16 | 1 |

Client Sample ID: SR-3

Date Collected: 11/03/20 16:43
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-7

Matrix: Solid

Percent Solids: 72.8

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 33 | | 1.2 | 0.39 | mg/Kg | ☀ | 11/07/20 11:11 | 11/12/20 08:31 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SR-4

Date Collected: 11/03/20 16:48
 Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-8

Matrix: Solid
 Percent Solids: 75.1

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 14 | | 1.2 | 0.41 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 08:36 | 1 |

Client Sample ID: SR-5

Date Collected: 11/03/20 16:54
 Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-9

Matrix: Solid
 Percent Solids: 60.9

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 43 | | 1.6 | 0.54 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 08:41 | 1 |

Client Sample ID: SR-6

Date Collected: 11/03/20 16:50
 Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-10

Matrix: Solid
 Percent Solids: 54.7

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Lead | 38 | | 1.7 | 0.58 | mg/Kg | ⊗ | 11/07/20 11:11 | 11/12/20 08:56 | 1 |

Isotope Dilution Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)**Matrix: Solid****Prep Type: Total/NA**

| Lab Sample ID | Client Sample ID | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|--------------------|--------------------|---|-------------------|-------------------|---------------------|-------------------|-------------------|--------------------|-------------------|
| | | TCDD (40-135) | PeCDD (40-135) | HxCDD (40-135) | HxDL (40-135) | HpCDD (40-135) | OCDD (40-135) | TCDF (40-135) | PeCDF (40-135) |
| 680-191026-1 | SB-1 | 64 | 55 | 61 | 67 | 73 | 89 | 61 | 55 |
| 680-191026-2 | SB-2 | 64 | 55 | 63 | 69 | 77 | 77 | 62 | 54 |
| 680-191026-3 | SB-3 | 66 | 57 | 65 | 73 | 80 | 87 | 64 | 58 |
| 680-191026-4 | SB-4 | 64 | 55 | 58 | 60 | 69 | 67 | 60 | 54 |
| 680-191026-4 | SB-4 | | | | | | | 67 | |
| LCS 140-44452/20-A | Lab Control Sample | 61 | 54 | 61 | 69 | 74 | 72 | 57 | 54 |
| MB 140-44452/21-A | Method Blank | 59 | 51 | 61 | 70 | 72 | 67 | 57 | 51 |
| Lab Sample ID | Client Sample ID | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
| | | PeCF (40-135) | HxCDF (40-135) | HxDL (40-135) | 13CHxCF (40-135) | HxCF (40-135) | HpCDF (40-135) | HpCDF2 (40-135) | OCDF (40-135) |
| 680-191026-1 | SB-1 | 54 | 67 | 62 | 67 | 69 | 70 | 72 | 71 |
| 680-191026-2 | SB-2 | 54 | 70 | 64 | 67 | 67 | 72 | 73 | 69 |
| 680-191026-3 | SB-3 | 57 | 71 | 63 | 67 | 69 | 73 | 74 | 73 |
| 680-191026-4 | SB-4 | 54 | 61 | 55 | 56 | 60 | 61 | 66 | 56 |
| 680-191026-4 | SB-4 | | | | | | | | |
| LCS 140-44452/20-A | Lab Control Sample | 52 | 66 | 62 | 63 | 65 | 70 | 69 | 62 |
| MB 140-44452/21-A | Method Blank | 51 | 68 | 62 | 65 | 64 | 71 | 71 | 61 |

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD

PeCDD = 13C-1,2,3,7,8-PeCDD

HxCDD = 13C-1,2,3,4,7,8-HxCDD

HxDL = 13C-1,2,3,6,7,8-HxCDD

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD

OCDD = 13C-OCDD

TCDF = 13C-2,3,7,8-TCDF

PeCDF = 13C-1,2,3,7,8-PeCDF

PeCF = 13C-2,3,4,7,8-PeCDF

HxCDF = 13C-1,2,3,4,7,8-HxCDF

HxDL = 13C-1,2,3,6,7,8-HxCDF

13CHxCF = 13C-2,3,4,6,7,8-HxCDF

HxCF = 13C-1,2,3,7,8,9-HxCDF

HpCDF = 13C-1,2,3,4,6,7,8-HpCDF

HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF

OCDF = 13C-OCDF

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS)**Lab Sample ID: MB 680-642425/11**
Client Sample ID: Method Blank
Prep Type: Total/NA
Matrix: Solid**Analysis Batch: 642425**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------------|-----|------|-------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | 5.0 | U | 5.0 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1,1-Trichloroethane | 5.0 | U | 5.0 | 0.59 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1,2,2-Tetrachloroethane | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1,2-Trichloroethane | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1-Dichloroethene | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1-Dichloropropene | 5.0 | U | 5.0 | 0.95 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,3-Trichlorobenzene | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,3-Trichloropropane | 5.0 | U | 5.0 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,4-Trichlorobenzene | 5.0 | U | 5.0 | 0.89 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,4-Trimethylbenzene | 5.0 | U | 5.0 | 1.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dibromo-3-Chloropropane | 10 | U | 10 | 4.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichlorobenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichloroethene, Total | 10 | U | 10 | 0.63 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichloropropane | 5.0 | U | 5.0 | 0.86 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,3,5-Trimethylbenzene | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,3-Dichlorobenzene | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,3-Dichloropropane | 5.0 | U | 5.0 | 1.8 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,4-Dichlorobenzene | 5.0 | U | 5.0 | 0.74 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2,2-Dichloropropane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2-Chlorotoluene | 5.0 | U | 5.0 | 2.0 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2-Hexanone | 25 | U | 25 | 3.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 4-Chlorotoluene | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Acetone | 50 | U | 50 | 11 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Benzene | 5.0 | U | 5.0 | 0.73 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromobenzene | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromochloromethane | 5.0 | U | 5.0 | 3.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromoform | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromodichloromethane | 5.0 | U | 5.0 | 0.97 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromomethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Carbon disulfide | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Carbon tetrachloride | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chlorobenzene | 5.0 | U | 5.0 | 0.96 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chloroethane | 5.0 | U | 5.0 | 2.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chloroform | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chloromethane | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/05/20 15:48 | 1 |
| cis-1,2-Dichloroethene | 5.0 | U | 5.0 | 1.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| cis-1,3-Dichloropropene | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Dibromochloromethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Dibromomethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Dichlorodifluoromethane | 5.0 | U | 5.0 | 0.94 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Ethylbenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Hexachlorobutadiene | 5.0 | U | 5.0 | 3.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Isopropylbenzene | 5.0 | U | 5.0 | 1.9 | ug/Kg | | | 11/05/20 15:48 | 1 |
| m-Xylene & p-Xylene | 5.0 | U | 5.0 | 2.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Methyl tert-butyl ether | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Methylene Chloride | 5.0 | U | 5.0 | 0.98 | ug/Kg | | | 11/05/20 15:48 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-642425/11

 Client Sample ID: Method Blank
 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 642425

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | | | |
| Naphthalene | 5.0 | U | | | 5.0 | 1.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 4-Methyl-2-pentanone | 25 | U | | | 25 | 4.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2-Butanone (MEK) | 25 | U | | | 25 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dibromoethane | 5.0 | U | | | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| n-Butylbenzene | 5.0 | U | | | 5.0 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| N-Propylbenzene | 5.0 | U | | | 5.0 | 2.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| o-Xylene | 5.0 | U | | | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| p-Isopropyltoluene | 5.0 | U | | | 5.0 | 2.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| sec-Butylbenzene | 5.0 | U | | | 5.0 | 2.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Styrene | 5.0 | U | | | 5.0 | 0.93 | ug/Kg | | | 11/05/20 15:48 | 1 |
| tert-Butylbenzene | 5.0 | U | | | 5.0 | 1.8 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Tetrachloroethene | 5.0 | U | | | 5.0 | 1.9 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Toluene | 5.0 | U | | | 5.0 | 0.84 | ug/Kg | | | 11/05/20 15:48 | 1 |
| trans-1,2-Dichloroethene | 5.0 | U | | | 5.0 | 0.63 | ug/Kg | | | 11/05/20 15:48 | 1 |
| trans-1,3-Dichloropropene | 5.0 | U | | | 5.0 | 0.87 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Trichloroethene | 5.0 | U | | | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Trichlorofluoromethane | 5.0 | U | | | 5.0 | 1.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Vinyl acetate | 10 | U | | | 10 | 2.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Vinyl chloride | 5.0 | U | | | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Xylenes, Total | 10 | U | | | 10 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |

MB MB

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----|----|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 94 | | | | 70 - 130 | | 11/05/20 15:48 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 113 | | | | 70 - 130 | | 11/05/20 15:48 | 1 |
| Dibromofluoromethane (Surr) | 105 | | | | 70 - 130 | | 11/05/20 15:48 | 1 |
| 4-Bromofluorobenzene (Surr) | 105 | | | | 70 - 130 | | 11/05/20 15:48 | 1 |

Lab Sample ID: LCS 680-642425/7

 Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 642425

| Analyte | Spike | LCS | | | D | %Rec | Limits | %Rec. |
|-----------------------------|-------|-------|--------|-----------|-------|------|----------|-------|
| | | Added | Result | Qualifier | | | | |
| 1,1,1,2-Tetrachloroethane | | 50.0 | 47.1 | | ug/Kg | 94 | 70 - 130 | |
| 1,1,1-Trichloroethane | | 50.0 | 48.9 | | ug/Kg | 98 | 70 - 130 | |
| 1,1,2,2-Tetrachloroethane | | 50.0 | 48.3 | | ug/Kg | 97 | 70 - 130 | |
| 1,1,2-Trichloroethane | | 50.0 | 52.8 | | ug/Kg | 106 | 70 - 130 | |
| 1,1-Dichloroethane | | 50.0 | 49.2 | | ug/Kg | 98 | 70 - 130 | |
| 1,1-Dichloroethene | | 50.0 | 43.8 | | ug/Kg | 88 | 70 - 130 | |
| 1,1-Dichloropropene | | 50.0 | 48.4 | | ug/Kg | 97 | 70 - 130 | |
| 1,2,3-Trichlorobenzene | | 50.0 | 53.1 | | ug/Kg | 106 | 70 - 130 | |
| 1,2,3-Trichloropropane | | 50.0 | 47.4 | | ug/Kg | 95 | 70 - 130 | |
| 1,2,4-Trichlorobenzene | | 50.0 | 52.4 | | ug/Kg | 105 | 70 - 130 | |
| 1,2,4-Trimethylbenzene | | 50.0 | 45.5 | | ug/Kg | 91 | 70 - 130 | |
| 1,2-Dibromo-3-Chloropropane | | 50.0 | 46.6 | | ug/Kg | 93 | 40 - 160 | |
| 1,2-Dichlorobenzene | | 50.0 | 49.1 | | ug/Kg | 98 | 70 - 130 | |
| 1,2-Dichloroethane | | 50.0 | 52.1 | | ug/Kg | 104 | 70 - 130 | |
| 1,2-Dichloroethene, Total | | 100 | 92.8 | | ug/Kg | 93 | 70 - 130 | |
| 1,2-Dichloropropane | | 50.0 | 49.6 | | ug/Kg | 99 | 70 - 130 | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-642425/7

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 642425

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------------------|----------------|---------------|------------------|-------|---|------|----------|
| 1,3,5-Trimethylbenzene | 50.0 | 47.2 | | ug/Kg | | 94 | 70 - 130 |
| 1,3-Dichlorobenzene | 50.0 | 49.7 | | ug/Kg | | 99 | 70 - 130 |
| 1,3-Dichloropropane | 50.0 | 54.3 | | ug/Kg | | 109 | 70 - 130 |
| 1,4-Dichlorobenzene | 50.0 | 49.6 | | ug/Kg | | 99 | 70 - 130 |
| 2,2-Dichloropropane | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 |
| 2-Chlorotoluene | 50.0 | 47.3 | | ug/Kg | | 95 | 70 - 130 |
| 2-Hexanone | 250 | 259 | | ug/Kg | | 104 | 40 - 160 |
| 4-Chlorotoluene | 50.0 | 47.5 | | ug/Kg | | 95 | 70 - 130 |
| Acetone | 250 | 228 | | ug/Kg | | 91 | 40 - 160 |
| Benzene | 50.0 | 49.7 | | ug/Kg | | 99 | 70 - 130 |
| Bromobenzene | 50.0 | 49.3 | | ug/Kg | | 99 | 70 - 130 |
| Bromochloromethane | 50.0 | 51.6 | | ug/Kg | | 103 | 70 - 130 |
| Bromoform | 50.0 | 47.7 | | ug/Kg | | 95 | 70 - 130 |
| Bromodichloromethane | 50.0 | 49.9 | | ug/Kg | | 100 | 70 - 130 |
| Bromomethane | 50.0 | 47.4 | | ug/Kg | | 95 | 40 - 160 |
| Carbon disulfide | 50.0 | 44.8 | | ug/Kg | | 90 | 40 - 160 |
| Carbon tetrachloride | 50.0 | 47.4 | | ug/Kg | | 95 | 70 - 130 |
| Chlorobenzene | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 |
| Chloroethane | 50.0 | 46.6 | | ug/Kg | | 93 | 40 - 160 |
| Chloroform | 50.0 | 51.4 | | ug/Kg | | 103 | 70 - 130 |
| Chloromethane | 50.0 | 43.7 | | ug/Kg | | 87 | 40 - 160 |
| cis-1,2-Dichloroethene | 50.0 | 47.0 | | ug/Kg | | 94 | 70 - 130 |
| cis-1,3-Dichloropropene | 50.0 | 53.1 | | ug/Kg | | 106 | 70 - 130 |
| Dibromochloromethane | 50.0 | 51.4 | | ug/Kg | | 103 | 70 - 130 |
| Dibromomethane | 50.0 | 53.0 | | ug/Kg | | 106 | 70 - 130 |
| Dichlorodifluoromethane | 50.0 | 41.0 | | ug/Kg | | 82 | 40 - 160 |
| Ethylbenzene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 |
| Hexachlorobutadiene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 |
| Isopropylbenzene | 50.0 | 46.8 | | ug/Kg | | 94 | 70 - 130 |
| m-Xylene & p-Xylene | 50.0 | 47.9 | | ug/Kg | | 96 | 70 - 130 |
| Methyl tert-butyl ether | 50.0 | 50.7 | | ug/Kg | | 101 | 70 - 130 |
| Methylene Chloride | 50.0 | 49.5 | | ug/Kg | | 99 | 70 - 130 |
| Naphthalene | 50.0 | 59.4 | | ug/Kg | | 119 | 40 - 160 |
| 4-Methyl-2-pentanone | 250 | 266 | | ug/Kg | | 106 | 40 - 160 |
| 2-Butanone (MEK) | 250 | 240 | | ug/Kg | | 96 | 40 - 160 |
| 1,2-Dibromoethane | 50.0 | 55.5 | | ug/Kg | | 111 | 70 - 130 |
| n-Butylbenzene | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 |
| N-Propylbenzene | 50.0 | 46.9 | | ug/Kg | | 94 | 70 - 130 |
| o-Xylene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 |
| p-Isopropyltoluene | 50.0 | 48.9 | | ug/Kg | | 98 | 70 - 130 |
| sec-Butylbenzene | 50.0 | 45.6 | | ug/Kg | | 91 | 70 - 130 |
| Styrene | 50.0 | 51.9 | | ug/Kg | | 104 | 70 - 130 |
| tert-Butylbenzene | 50.0 | 46.6 | | ug/Kg | | 93 | 70 - 130 |
| Tetrachloroethene | 50.0 | 49.2 | | ug/Kg | | 98 | 70 - 130 |
| Toluene | 50.0 | 51.5 | | ug/Kg | | 103 | 70 - 130 |
| trans-1,2-Dichloroethene | 50.0 | 45.8 | | ug/Kg | | 92 | 70 - 130 |
| trans-1,3-Dichloropropene | 50.0 | 56.8 | | ug/Kg | | 114 | 70 - 130 |
| Trichloroethene | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 |
| Trichlorofluoromethane | 50.0 | 45.6 | | ug/Kg | | 91 | 40 - 160 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-642425/7****Matrix: Solid****Analysis Batch: 642425**
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec. |
|------------------------------|----------------|------------|------------|-------|---|------|----------|
| | | Result | Qualifier | | | | Limits |
| Vinyl acetate | 100 | 128 | | ug/Kg | | 128 | 70 - 130 |
| Vinyl chloride | 50.0 | 41.4 | | ug/Kg | | 83 | 70 - 130 |
| Xylenes, Total | 100 | 95.5 | | ug/Kg | | 96 | 70 - 130 |
| Surrogate | | LCS | LCS | | | | |
| Toluene-d8 (Surr) | 93 | | 70 - 130 | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 70 - 130 | | | | |
| Dibromofluoromethane (Surr) | 100 | | 70 - 130 | | | | |
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 680-642425/8**Matrix: Solid****Analysis Batch: 642425**
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec. | RPD | RPD |
|-----------------------------|----------------|--------|-----------|-------|---|------|----------|-----|-----|
| | | Result | Qualifier | | | | Limit | | |
| 1,1,1,2-Tetrachloroethane | 50.0 | 47.7 | | ug/Kg | | 95 | 70 - 130 | 1 | 20 |
| 1,1,1-Trichloroethane | 50.0 | 48.5 | | ug/Kg | | 97 | 70 - 130 | 1 | 20 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 50.3 | | ug/Kg | | 101 | 70 - 130 | 4 | 20 |
| 1,1,2-Trichloroethane | 50.0 | 54.7 | | ug/Kg | | 109 | 70 - 130 | 4 | 20 |
| 1,1-Dichloroethane | 50.0 | 48.7 | | ug/Kg | | 97 | 70 - 130 | 1 | 20 |
| 1,1-Dichloroethene | 50.0 | 43.9 | | ug/Kg | | 88 | 70 - 130 | 0 | 20 |
| 1,1-Dichloropropene | 50.0 | 49.7 | | ug/Kg | | 99 | 70 - 130 | 3 | 20 |
| 1,2,3-Trichlorobenzene | 50.0 | 51.8 | | ug/Kg | | 104 | 70 - 130 | 2 | 20 |
| 1,2,3-Trichloropropane | 50.0 | 48.0 | | ug/Kg | | 96 | 70 - 130 | 1 | 20 |
| 1,2,4-Trichlorobenzene | 50.0 | 51.9 | | ug/Kg | | 104 | 70 - 130 | 1 | 20 |
| 1,2,4-Trimethylbenzene | 50.0 | 46.1 | | ug/Kg | | 92 | 70 - 130 | 1 | 20 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 47.9 | | ug/Kg | | 96 | 40 - 160 | 3 | 20 |
| 1,2-Dichlorobenzene | 50.0 | 49.5 | | ug/Kg | | 99 | 70 - 130 | 1 | 20 |
| 1,2-Dichloroethane | 50.0 | 52.6 | | ug/Kg | | 105 | 70 - 130 | 1 | 20 |
| 1,2-Dichloroethene, Total | 100 | 92.8 | | ug/Kg | | 93 | 70 - 130 | 0 | 20 |
| 1,2-Dichloropropene | 50.0 | 50.9 | | ug/Kg | | 102 | 70 - 130 | 3 | 20 |
| 1,3,5-Trimethylbenzene | 50.0 | 47.7 | | ug/Kg | | 95 | 70 - 130 | 1 | 20 |
| 1,3-Dichlorobenzene | 50.0 | 50.2 | | ug/Kg | | 100 | 70 - 130 | 1 | 20 |
| 1,3-Dichloropropane | 50.0 | 56.0 | | ug/Kg | | 112 | 70 - 130 | 3 | 20 |
| 1,4-Dichlorobenzene | 50.0 | 49.8 | | ug/Kg | | 100 | 70 - 130 | 0 | 20 |
| 2,2-Dichloropropane | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 | 0 | 20 |
| 2-Chlorotoluene | 50.0 | 47.9 | | ug/Kg | | 96 | 70 - 130 | 1 | 20 |
| 2-Hexanone | 250 | 269 | | ug/Kg | | 108 | 40 - 160 | 4 | 20 |
| 4-Chlorotoluene | 50.0 | 48.8 | | ug/Kg | | 98 | 70 - 130 | 3 | 20 |
| Acetone | 250 | 229 | | ug/Kg | | 92 | 40 - 160 | 0 | 20 |
| Benzene | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 | 3 | 20 |
| Bromobenzene | 50.0 | 49.4 | | ug/Kg | | 99 | 70 - 130 | 0 | 20 |
| Bromochloromethane | 50.0 | 51.7 | | ug/Kg | | 103 | 70 - 130 | 0 | 20 |
| Bromoform | 50.0 | 48.9 | | ug/Kg | | 98 | 70 - 130 | 3 | 20 |
| Bromodichloromethane | 50.0 | 50.7 | | ug/Kg | | 101 | 70 - 130 | 2 | 20 |
| Bromomethane | 50.0 | 45.2 | | ug/Kg | | 90 | 40 - 160 | 5 | 20 |
| Carbon disulfide | 50.0 | 44.6 | | ug/Kg | | 89 | 40 - 160 | 1 | 20 |
| Carbon tetrachloride | 50.0 | 44.9 | | ug/Kg | | 90 | 70 - 130 | 5 | 20 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-642425/8

 Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 642425

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|-------|-----|----------|--------|-----|-----------|
| Chlorobenzene | 50.0 | 50.6 | | ug/Kg | 101 | 70 - 130 | 5 | 20 | |
| Chloroethane | 50.0 | 45.0 | | ug/Kg | 90 | 40 - 160 | 3 | 20 | |
| Chloroform | 50.0 | 49.5 | | ug/Kg | 99 | 70 - 130 | 4 | 20 | |
| Chloromethane | 50.0 | 44.3 | | ug/Kg | 89 | 40 - 160 | 1 | 20 | |
| cis-1,2-Dichloroethene | 50.0 | 46.9 | | ug/Kg | 94 | 70 - 130 | 0 | 20 | |
| cis-1,3-Dichloropropene | 50.0 | 54.1 | | ug/Kg | 108 | 70 - 130 | 2 | 20 | |
| Dibromochloromethane | 50.0 | 53.1 | | ug/Kg | 106 | 70 - 130 | 3 | 20 | |
| Dibromomethane | 50.0 | 53.3 | | ug/Kg | 107 | 70 - 130 | 0 | 20 | |
| Dichlorodifluoromethane | 50.0 | 41.8 | | ug/Kg | 84 | 40 - 160 | 2 | 20 | |
| Ethylbenzene | 50.0 | 49.6 | | ug/Kg | 99 | 70 - 130 | 4 | 20 | |
| Hexachlorobutadiene | 50.0 | 47.6 | | ug/Kg | 95 | 70 - 130 | 0 | 20 | |
| Isopropylbenzene | 50.0 | 46.9 | | ug/Kg | 94 | 70 - 130 | 0 | 20 | |
| m-Xylene & p-Xylene | 50.0 | 48.8 | | ug/Kg | 98 | 70 - 130 | 2 | 20 | |
| Methyl tert-butyl ether | 50.0 | 50.8 | | ug/Kg | 102 | 70 - 130 | 0 | 20 | |
| Methylene Chloride | 50.0 | 49.2 | | ug/Kg | 98 | 70 - 130 | 0 | 20 | |
| Naphthalene | 50.0 | 59.0 | | ug/Kg | 118 | 40 - 160 | 1 | 20 | |
| 4-Methyl-2-pentanone | 250 | 277 | | ug/Kg | 111 | 40 - 160 | 4 | 20 | |
| 2-Butanone (MEK) | 250 | 250 | | ug/Kg | 100 | 40 - 160 | 4 | 20 | |
| 1,2-Dibromoethane | 50.0 | 57.7 | | ug/Kg | 115 | 70 - 130 | 4 | 20 | |
| n-Butylbenzene | 50.0 | 49.1 | | ug/Kg | 98 | 70 - 130 | 1 | 20 | |
| N-Propylbenzene | 50.0 | 48.4 | | ug/Kg | 97 | 70 - 130 | 3 | 20 | |
| o-Xylene | 50.0 | 48.5 | | ug/Kg | 97 | 70 - 130 | 2 | 20 | |
| p-Isopropyltoluene | 50.0 | 49.7 | | ug/Kg | 99 | 70 - 130 | 2 | 20 | |
| sec-Butylbenzene | 50.0 | 45.8 | | ug/Kg | 92 | 70 - 130 | 1 | 20 | |
| Styrene | 50.0 | 52.9 | | ug/Kg | 106 | 70 - 130 | 2 | 20 | |
| tert-Butylbenzene | 50.0 | 46.9 | | ug/Kg | 94 | 70 - 130 | 1 | 20 | |
| Tetrachloroethene | 50.0 | 51.1 | | ug/Kg | 102 | 70 - 130 | 4 | 20 | |
| Toluene | 50.0 | 53.3 | | ug/Kg | 107 | 70 - 130 | 4 | 20 | |
| trans-1,2-Dichloroethene | 50.0 | 45.8 | | ug/Kg | 92 | 70 - 130 | 0 | 20 | |
| trans-1,3-Dichloropropene | 50.0 | 58.9 | | ug/Kg | 118 | 70 - 130 | 4 | 20 | |
| Trichloroethene | 50.0 | 48.5 | | ug/Kg | 97 | 70 - 130 | 1 | 20 | |
| Trichlorofluoromethane | 50.0 | 44.7 | | ug/Kg | 89 | 40 - 160 | 2 | 20 | |
| Vinyl acetate | 100 | 138 * | | ug/Kg | 138 | 70 - 130 | 7 | 20 | |
| Vinyl chloride | 50.0 | 43.4 | | ug/Kg | 87 | 70 - 130 | 5 | 20 | |
| Xylenes, Total | 100 | 97.3 | | ug/Kg | 97 | 70 - 130 | 2 | 20 | |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| Toluene-d8 (Surr) | 96 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 102 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 |

Lab Sample ID: MB 680-643496/9

 Client Sample ID: Method Blank
 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 643496

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|--------------|-----|-----|-------|---|----------------|----------|---------|
| 1,1,1,2-Tetrachloroethane | 5.0 | U | 5.0 | 2.4 | ug/Kg | | 11/11/20 14:02 | | 1 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-643496/9

 Client Sample ID: Method Blank
 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 643496

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----|----|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | | | 5.0 | U | 5.0 | 0.59 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1,2,2-Tetrachloroethane | | | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1,2-Trichloroethane | | | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1-Dichloroethane | | | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1-Dichloroethene | | | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1-Dichloropropene | | | 5.0 | U | 5.0 | 0.95 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2,3-Trichlorobenzene | | | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2,3-Trichloropropane | | | 5.0 | U | 5.0 | 2.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2,4-Trichlorobenzene | | | 5.0 | U | 5.0 | 0.89 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2,4-Trimethylbenzene | | | 5.0 | U | 5.0 | 1.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dibromo-3-Chloropropane | | | 10 | U | 10 | 4.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichlorobenzene | | | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichloroethane | | | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichloroethene, Total | | | 10 | U | 10 | 0.63 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichloropropane | | | 5.0 | U | 5.0 | 0.86 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,3,5-Trimethylbenzene | | | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,3-Dichlorobenzene | | | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,3-Dichloropropene | | | 5.0 | U | 5.0 | 1.8 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,4-Dichlorobenzene | | | 5.0 | U | 5.0 | 0.74 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 2,2-Dichloropropane | | | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 2-Chlorotoluene | | | 5.0 | U | 5.0 | 2.0 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 2-Hexanone | | | 25 | U | 25 | 3.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 4-Chlorotoluene | | | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Acetone | | | 50 | U | 50 | 11 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Benzene | | | 5.0 | U | 5.0 | 0.73 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromobenzene | | | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromochloromethane | | | 5.0 | U | 5.0 | 3.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromoform | | | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromodichloromethane | | | 5.0 | U | 5.0 | 0.97 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromomethane | | | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Carbon disulfide | | | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Carbon tetrachloride | | | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chlorobenzene | | | 5.0 | U | 5.0 | 0.96 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chloroethane | | | 5.0 | U | 5.0 | 2.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chloroform | | | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chloromethane | | | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/11/20 14:02 | 1 |
| cis-1,2-Dichloroethene | | | 5.0 | U | 5.0 | 1.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| cis-1,3-Dichloropropene | | | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Dibromochloromethane | | | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Dibromomethane | | | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Dichlorodifluoromethane | | | 5.0 | U | 5.0 | 0.94 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Ethylbenzene | | | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Hexachlorobutadiene | | | 5.0 | U | 5.0 | 3.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Isopropylbenzene | | | 5.0 | U | 5.0 | 1.9 | ug/Kg | | | 11/11/20 14:02 | 1 |
| m-Xylene & p-Xylene | | | 5.0 | U | 5.0 | 2.6 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Methyl tert-butyl ether | | | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Methylene Chloride | | | 5.0 | U | 5.0 | 0.98 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Naphthalene | | | 5.0 | U | 5.0 | 1.2 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 4-Methyl-2-pentanone | | | 25 | U | 25 | 4.2 | ug/Kg | | | 11/11/20 14:02 | 1 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-643496/9

 Client Sample ID: Method Blank
 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 643496

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | | | |
| 2-Butanone (MEK) | 25 | U | 25 | | 25 | 2.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dibromoethane | 5.0 | U | | | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| n-Butylbenzene | 5.0 | U | | | 5.0 | 2.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| N-Propylbenzene | 5.0 | U | | | 5.0 | 2.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| o-Xylene | 5.0 | U | | | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| p-Isopropyltoluene | 5.0 | U | | | 5.0 | 2.2 | ug/Kg | | | 11/11/20 14:02 | 1 |
| sec-Butylbenzene | 5.0 | U | | | 5.0 | 2.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Styrene | 5.0 | U | | | 5.0 | 0.93 | ug/Kg | | | 11/11/20 14:02 | 1 |
| tert-Butylbenzene | 5.0 | U | | | 5.0 | 1.8 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Tetrachloroethene | 5.0 | U | | | 5.0 | 1.9 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Toluene | 5.0 | U | | | 5.0 | 0.84 | ug/Kg | | | 11/11/20 14:02 | 1 |
| trans-1,2-Dichloroethene | 5.0 | U | | | 5.0 | 0.63 | ug/Kg | | | 11/11/20 14:02 | 1 |
| trans-1,3-Dichloropropene | 5.0 | U | | | 5.0 | 0.87 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Trichloroethene | 5.0 | U | | | 5.0 | 1.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Trichlorofluoromethane | 5.0 | U | | | 5.0 | 1.2 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Vinyl acetate | 10 | U | | | 10 | 2.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Vinyl chloride | 5.0 | U | | | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Xylenes, Total | 10 | U | | | 10 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------|-----------|----------|----------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Toluene-d8 (Surr) | 95 | | 95 | | 70 - 130 | | 11/11/20 14:02 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 106 | | 70 - 130 | | 11/11/20 14:02 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 105 | | 70 - 130 | | 11/11/20 14:02 | 1 |
| 4-Bromofluorobenzene (Surr) | 111 | | 111 | | 70 - 130 | | 11/11/20 14:02 | 1 |

Lab Sample ID: LCS 680-643496/4

 Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 643496

| Analyte | Spike Added | LCS | | Unit | D | %Rec | Limits | %Rec. |
|-----------------------------|----------------|--------|-----------|-------|---|------|----------|-------|
| | | Result | Qualifier | | | | | |
| 1,1,1,2-Tetrachloroethane | 50.0 | 40.4 | | ug/Kg | | 81 | 70 - 130 | |
| 1,1,1-Trichloroethane | 50.0 | 40.8 | | ug/Kg | | 82 | 70 - 130 | |
| 1,1,2,2-Tetrachloroethane | 50.0 | 41.2 | | ug/Kg | | 82 | 70 - 130 | |
| 1,1,2-Trichloroethane | 50.0 | 53.2 | | ug/Kg | | 106 | 70 - 130 | |
| 1,1-Dichloroethane | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 | |
| 1,1-Dichloroethene | 50.0 | 40.4 | | ug/Kg | | 81 | 70 - 130 | |
| 1,1-Dichloropropene | 50.0 | 51.6 | | ug/Kg | | 103 | 70 - 130 | |
| 1,2,3-Trichlorobenzene | 50.0 | 44.1 | | ug/Kg | | 88 | 70 - 130 | |
| 1,2,3-Trichloropropane | 50.0 | 39.9 | | ug/Kg | | 80 | 70 - 130 | |
| 1,2,4-Trichlorobenzene | 50.0 | 44.4 | | ug/Kg | | 89 | 70 - 130 | |
| 1,2,4-Trimethylbenzene | 50.0 | 36.9 | | ug/Kg | | 74 | 70 - 130 | |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 43.0 | | ug/Kg | | 86 | 40 - 160 | |
| 1,2-Dichlorobenzene | 50.0 | 45.9 | | ug/Kg | | 92 | 70 - 130 | |
| 1,2-Dichloroethane | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 | |
| 1,2-Dichloroethene, Total | 100 | 90.6 | | ug/Kg | | 91 | 70 - 130 | |
| 1,2-Dichloropropene | 50.0 | 52.0 | | ug/Kg | | 104 | 70 - 130 | |
| 1,3,5-Trimethylbenzene | 50.0 | 39.0 | | ug/Kg | | 78 | 70 - 130 | |
| 1,3-Dichlorobenzene | 50.0 | 48.6 | | ug/Kg | | 97 | 70 - 130 | |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-643496/4

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 643496

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. | Limits |
|---------------------------|-------|--------|-----------|-------|---|------|----------|--------|
| | Added | Result | Qualifier | | | | | |
| 1,3-Dichloropropane | 50.0 | 56.4 | | ug/Kg | | 113 | 70 - 130 | |
| 1,4-Dichlorobenzene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 | |
| 2,2-Dichloropropane | 50.0 | 40.3 | | ug/Kg | | 81 | 70 - 130 | |
| 2-Chlorotoluene | 50.0 | 40.8 | | ug/Kg | | 82 | 70 - 130 | |
| 2-Hexanone | 250 | 276 | | ug/Kg | | 110 | 40 - 160 | |
| 4-Chlorotoluene | 50.0 | 41.1 | | ug/Kg | | 82 | 70 - 130 | |
| Acetone | 250 | 202 | | ug/Kg | | 81 | 40 - 160 | |
| Benzene | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 | |
| Bromobenzene | 50.0 | 40.6 | | ug/Kg | | 81 | 70 - 130 | |
| Bromoform | 50.0 | 44.4 | | ug/Kg | | 89 | 70 - 130 | |
| Bromodichloromethane | 50.0 | 41.3 | | ug/Kg | | 83 | 70 - 130 | |
| Bromochloromethane | 50.0 | 48.6 | | ug/Kg | | 97 | 70 - 130 | |
| Bromomethane | 50.0 | 38.5 | | ug/Kg | | 77 | 40 - 160 | |
| Carbon disulfide | 50.0 | 41.2 | | ug/Kg | | 82 | 40 - 160 | |
| Carbon tetrachloride | 50.0 | 40.7 | | ug/Kg | | 81 | 70 - 130 | |
| Chlorobenzene | 50.0 | 47.5 | | ug/Kg | | 95 | 70 - 130 | |
| Chloroethane | 50.0 | 41.7 | | ug/Kg | | 83 | 40 - 160 | |
| Chloroform | 50.0 | 46.9 | | ug/Kg | | 94 | 70 - 130 | |
| Chloromethane | 50.0 | 42.5 | | ug/Kg | | 85 | 40 - 160 | |
| cis-1,2-Dichloroethene | 50.0 | 45.1 | | ug/Kg | | 90 | 70 - 130 | |
| cis-1,3-Dichloropropene | 50.0 | 53.7 | | ug/Kg | | 107 | 70 - 130 | |
| Dibromochloromethane | 50.0 | 48.5 | | ug/Kg | | 97 | 70 - 130 | |
| Dibromomethane | 50.0 | 46.6 | | ug/Kg | | 93 | 70 - 130 | |
| Dichlorodifluoromethane | 50.0 | 37.9 | | ug/Kg | | 76 | 40 - 160 | |
| Ethylbenzene | 50.0 | 46.5 | | ug/Kg | | 93 | 70 - 130 | |
| Hexachlorobutadiene | 50.0 | 43.6 | | ug/Kg | | 87 | 70 - 130 | |
| Isopropylbenzene | 50.0 | 40.2 | | ug/Kg | | 80 | 70 - 130 | |
| m-Xylene & p-Xylene | 50.0 | 45.7 | | ug/Kg | | 91 | 70 - 130 | |
| Methyl tert-butyl ether | 50.0 | 41.9 | | ug/Kg | | 84 | 70 - 130 | |
| Methylene Chloride | 50.0 | 43.5 | | ug/Kg | | 87 | 70 - 130 | |
| Naphthalene | 50.0 | 48.9 | | ug/Kg | | 98 | 40 - 160 | |
| 4-Methyl-2-pentanone | 250 | 261 | | ug/Kg | | 104 | 40 - 160 | |
| 2-Butanone (MEK) | 250 | 224 | | ug/Kg | | 90 | 40 - 160 | |
| 1,2-Dibromoethane | 50.0 | 53.4 | | ug/Kg | | 107 | 70 - 130 | |
| n-Butylbenzene | 50.0 | 46.8 | | ug/Kg | | 94 | 70 - 130 | |
| N-Propylbenzene | 50.0 | 41.2 | | ug/Kg | | 82 | 70 - 130 | |
| o-Xylene | 50.0 | 42.4 | | ug/Kg | | 85 | 70 - 130 | |
| p-Isopropyltoluene | 50.0 | 49.0 | | ug/Kg | | 98 | 70 - 130 | |
| sec-Butylbenzene | 50.0 | 37.7 | | ug/Kg | | 75 | 70 - 130 | |
| Styrene | 50.0 | 47.5 | | ug/Kg | | 95 | 70 - 130 | |
| tert-Butylbenzene | 50.0 | 38.6 | | ug/Kg | | 77 | 70 - 130 | |
| Tetrachloroethene | 50.0 | 48.6 | | ug/Kg | | 97 | 70 - 130 | |
| Toluene | 50.0 | 52.9 | | ug/Kg | | 106 | 70 - 130 | |
| trans-1,2-Dichloroethene | 50.0 | 45.4 | | ug/Kg | | 91 | 70 - 130 | |
| trans-1,3-Dichloropropene | 50.0 | 58.1 | | ug/Kg | | 116 | 70 - 130 | |
| Trichloroethene | 50.0 | 46.5 | | ug/Kg | | 93 | 70 - 130 | |
| Trichlorofluoromethane | 50.0 | 40.4 | | ug/Kg | | 81 | 40 - 160 | |
| Vinyl acetate | 100 | 129 | | ug/Kg | | 129 | 70 - 130 | |
| Vinyl chloride | 50.0 | 40.6 | | ug/Kg | | 81 | 70 - 130 | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-643496/4****Matrix: Solid****Analysis Batch: 643496**
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | | Spike Added | LCS | LCS | Unit | D | %Rec. | Limits |
|----------------|--|------------------------|---------------|------------------|-------------|----------|--------------|---------------|
| | | | Result | Qualifier | | | | |
| Xylenes, Total | | 100 | 88.1 | | ug/Kg | 88 | 70 - 130 | |

| Surrogate | %Recovery | LCS | LCS | Limits |
|------------------------------|------------------|------------------|------------|---------------|
| | | Qualifier | | |
| Toluene-d8 (Surr) | 94 | | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 94 | | | 70 - 130 |
| Dibromofluoromethane (Surr) | 91 | | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 112 | | | 70 - 130 |

Lab Sample ID: LCSD 680-643496/5**Matrix: Solid****Analysis Batch: 643496**
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | | Spike Added | LCSD | LCSD | Unit | D | %Rec. | Limits | RPD | RPD | Limit |
|-----------------------------|--|------------------------|---------------|------------------|-------------|----------|--------------|---------------|------------|------------|--------------|
| | | | Result | Qualifier | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | 50.0 | 41.8 | | ug/Kg | 84 | 70 - 130 | | 3 | 20 | |
| 1,1,1-Trichloroethane | | 50.0 | 44.7 | | ug/Kg | 89 | 70 - 130 | | 9 | 20 | |
| 1,1,2,2-Tetrachloroethane | | 50.0 | 42.7 | | ug/Kg | 85 | 70 - 130 | | 4 | 20 | |
| 1,1,2-Trichloroethane | | 50.0 | 55.3 | | ug/Kg | 111 | 70 - 130 | | 4 | 20 | |
| 1,1-Dichloroethane | | 50.0 | 49.6 | | ug/Kg | 99 | 70 - 130 | | 3 | 20 | |
| 1,1-Dichloroethene | | 50.0 | 42.5 | | ug/Kg | 85 | 70 - 130 | | 5 | 20 | |
| 1,1-Dichloropropene | | 50.0 | 52.7 | | ug/Kg | 105 | 70 - 130 | | 2 | 20 | |
| 1,2,3-Trichlorobenzene | | 50.0 | 47.9 | | ug/Kg | 96 | 70 - 130 | | 8 | 20 | |
| 1,2,3-Trichloropropane | | 50.0 | 38.8 | | ug/Kg | 78 | 70 - 130 | | 3 | 20 | |
| 1,2,4-Trichlorobenzene | | 50.0 | 46.7 | | ug/Kg | 93 | 70 - 130 | | 5 | 20 | |
| 1,2,4-Trimethylbenzene | | 50.0 | 38.2 | | ug/Kg | 76 | 70 - 130 | | 3 | 20 | |
| 1,2-Dibromo-3-Chloropropane | | 50.0 | 44.3 | | ug/Kg | 89 | 40 - 160 | | 3 | 20 | |
| 1,2-Dichlorobenzene | | 50.0 | 48.8 | | ug/Kg | 98 | 70 - 130 | | 6 | 20 | |
| 1,2-Dichloroethane | | 50.0 | 49.8 | | ug/Kg | 100 | 70 - 130 | | 3 | 20 | |
| 1,2-Dichloroethene, Total | | 100 | 92.1 | | ug/Kg | 92 | 70 - 130 | | 2 | 20 | |
| 1,2-Dichloropropane | | 50.0 | 53.3 | | ug/Kg | 107 | 70 - 130 | | 3 | 20 | |
| 1,3,5-Trimethylbenzene | | 50.0 | 40.6 | | ug/Kg | 81 | 70 - 130 | | 4 | 20 | |
| 1,3-Dichlorobenzene | | 50.0 | 51.2 | | ug/Kg | 102 | 70 - 130 | | 5 | 20 | |
| 1,3-Dichloropropane | | 50.0 | 56.5 | | ug/Kg | 113 | 70 - 130 | | 0 | 20 | |
| 1,4-Dichlorobenzene | | 50.0 | 49.5 | | ug/Kg | 99 | 70 - 130 | | 4 | 20 | |
| 2,2-Dichloropropane | | 50.0 | 41.6 | | ug/Kg | 83 | 70 - 130 | | 3 | 20 | |
| 2-Chlorotoluene | | 50.0 | 42.1 | | ug/Kg | 84 | 70 - 130 | | 3 | 20 | |
| 2-Hexanone | | 250 | 275 | | ug/Kg | 110 | 40 - 160 | | 0 | 20 | |
| 4-Chlorotoluene | | 50.0 | 42.6 | | ug/Kg | 85 | 70 - 130 | | 4 | 20 | |
| Acetone | | 250 | 209 | | ug/Kg | 84 | 40 - 160 | | 4 | 20 | |
| Benzene | | 50.0 | 50.3 | | ug/Kg | 101 | 70 - 130 | | 4 | 20 | |
| Bromobenzene | | 50.0 | 42.8 | | ug/Kg | 86 | 70 - 130 | | 5 | 20 | |
| Bromochloromethane | | 50.0 | 47.8 | | ug/Kg | 96 | 70 - 130 | | 7 | 20 | |
| Bromoform | | 50.0 | 41.1 | | ug/Kg | 82 | 70 - 130 | | 1 | 20 | |
| Bromodichloromethane | | 50.0 | 49.1 | | ug/Kg | 98 | 70 - 130 | | 1 | 20 | |
| Bromomethane | | 50.0 | 43.1 | | ug/Kg | 86 | 40 - 160 | | 11 | 20 | |
| Carbon disulfide | | 50.0 | 43.5 | | ug/Kg | 87 | 40 - 160 | | 5 | 20 | |
| Carbon tetrachloride | | 50.0 | 43.0 | | ug/Kg | 86 | 70 - 130 | | 5 | 20 | |
| Chlorobenzene | | 50.0 | 49.5 | | ug/Kg | 99 | 70 - 130 | | 4 | 20 | |
| Chloroethane | | 50.0 | 46.6 | | ug/Kg | 93 | 40 - 160 | | 11 | 20 | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-643496/5

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 643496

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|---------------------------|----------------|----------------|-------------------|-------|---|------|----------|-----|--------------|
| Chloroform | 50.0 | 47.8 | | ug/Kg | | 96 | 70 - 130 | 2 | 20 |
| Chloromethane | 50.0 | 46.7 | | ug/Kg | | 93 | 40 - 160 | 9 | 20 |
| cis-1,2-Dichloroethene | 50.0 | 47.4 | | ug/Kg | | 95 | 70 - 130 | 5 | 20 |
| cis-1,3-Dichloropropene | 50.0 | 54.1 | | ug/Kg | | 108 | 70 - 130 | 1 | 20 |
| Dibromochloromethane | 50.0 | 49.0 | | ug/Kg | | 98 | 70 - 130 | 1 | 20 |
| Dibromomethane | 50.0 | 48.5 | | ug/Kg | | 97 | 70 - 130 | 4 | 20 |
| Dichlorodifluoromethane | 50.0 | 40.0 | | ug/Kg | | 80 | 40 - 160 | 5 | 20 |
| Ethylbenzene | 50.0 | 48.0 | | ug/Kg | | 96 | 70 - 130 | 3 | 20 |
| Hexachlorobutadiene | 50.0 | 46.8 | | ug/Kg | | 94 | 70 - 130 | 7 | 20 |
| Isopropylbenzene | 50.0 | 41.8 | | ug/Kg | | 84 | 70 - 130 | 4 | 20 |
| m-Xylene & p-Xylene | 50.0 | 46.5 | | ug/Kg | | 93 | 70 - 130 | 2 | 20 |
| Methyl tert-butyl ether | 50.0 | 42.2 | | ug/Kg | | 84 | 70 - 130 | 1 | 20 |
| Methylene Chloride | 50.0 | 45.7 | | ug/Kg | | 91 | 70 - 130 | 5 | 20 |
| Naphthalene | 50.0 | 52.6 | | ug/Kg | | 105 | 40 - 160 | 7 | 20 |
| 4-Methyl-2-pentanone | 250 | 252 | | ug/Kg | | 101 | 40 - 160 | 3 | 20 |
| 2-Butanone (MEK) | 250 | 219 | | ug/Kg | | 88 | 40 - 160 | 2 | 20 |
| 1,2-Dibromoethane | 50.0 | 54.3 | | ug/Kg | | 109 | 70 - 130 | 2 | 20 |
| n-Butylbenzene | 50.0 | 49.4 | | ug/Kg | | 99 | 70 - 130 | 5 | 20 |
| N-Propylbenzene | 50.0 | 42.6 | | ug/Kg | | 85 | 70 - 130 | 3 | 20 |
| o-Xylene | 50.0 | 43.9 | | ug/Kg | | 88 | 70 - 130 | 4 | 20 |
| p-Isopropyltoluene | 50.0 | 51.7 | | ug/Kg | | 103 | 70 - 130 | 5 | 20 |
| sec-Butylbenzene | 50.0 | 38.8 | | ug/Kg | | 78 | 70 - 130 | 3 | 20 |
| Styrene | 50.0 | 48.7 | | ug/Kg | | 97 | 70 - 130 | 2 | 20 |
| tert-Butylbenzene | 50.0 | 39.3 | | ug/Kg | | 79 | 70 - 130 | 2 | 20 |
| Tetrachloroethene | 50.0 | 49.0 | | ug/Kg | | 98 | 70 - 130 | 1 | 20 |
| Toluene | 50.0 | 53.8 | | ug/Kg | | 108 | 70 - 130 | 2 | 20 |
| trans-1,2-Dichloroethene | 50.0 | 44.7 | | ug/Kg | | 89 | 70 - 130 | 2 | 20 |
| trans-1,3-Dichloropropene | 50.0 | 59.1 | | ug/Kg | | 118 | 70 - 130 | 2 | 20 |
| Trichloroethene | 50.0 | 48.0 | | ug/Kg | | 96 | 70 - 130 | 3 | 20 |
| Trichlorofluoromethane | 50.0 | 42.4 | | ug/Kg | | 85 | 40 - 160 | 5 | 20 |
| Vinyl acetate | 100 | 124 | | ug/Kg | | 124 | 70 - 130 | 4 | 20 |
| Vinyl chloride | 50.0 | 43.9 | | ug/Kg | | 88 | 70 - 130 | 8 | 20 |
| Xylenes, Total | 100 | 90.4 | | ug/Kg | | 90 | 70 - 130 | 3 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|-------------------|-------------------|----------|
| Toluene-d8 (Surr) | 96 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 95 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-643645/16-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 643645

Prep Batch: 643645

| Analyte | MB | | MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | Result | Qualifier | | | | | | | |
| Benzaldehyde | 320 | U | | | 320 | 56 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Phenol | 320 | U | | | 320 | 33 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: MB 680-643645/16-A****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 643945****Prep Batch: 643645**

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------|----|--------|-----------|------|------|-------|----------------|----------------|----------|---------|
| | | | | | | | | | | | |
| Bis(2-chloroethyl)ether | 320 | U | 320 | | 320 | 43 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2-Chlorophenol | 320 | U | 320 | | 320 | 38 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2-Methylphenol | 320 | U | 320 | | 320 | 26 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| bis (2-chloroisopropyl) ether | 320 | U | 320 | | 320 | 29 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Acetophenone | 320 | U | 320 | | 320 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 3 & 4 Methylphenol | 320 | U | 320 | | 320 | 41 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| N-Nitrosodi-n-propylamine | 320 | U | 320 | | 320 | 31 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Hexachloroethane | 320 | U | 320 | | 320 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Nitrobenzene | 320 | U | 320 | | 320 | 25 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Isophorone | 320 | U | 320 | | 320 | 32 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2-Nitrophenol | 320 | U | 320 | | 320 | 39 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2,4-Dimethylphenol | 320 | U | 320 | | 320 | 42 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Bis(2-chloroethoxy)methane | 320 | U | 320 | | 320 | 37 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2,4-Dichlorophenol | 320 | U | 320 | | 320 | 34 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Naphthalene | 320 | U | 320 | | 320 | 29 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 4-Chloroaniline | 630 | U | 630 | | 630 | 50 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Hexachlorobutadiene | 320 | U | 320 | | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Caprolactam | 320 | U | 320 | | 320 | 63 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 4-Chloro-3-methylphenol | 320 | U | 320 | | 320 | 34 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2-Methylnaphthalene | 320 | U | 320 | | 320 | 36 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Hexachlorocyclopentadiene | 320 | U | 320 | | 320 | 39 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2,4,6-Trichlorophenol | 320 | U | 320 | | 320 | 28 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2,4,5-Trichlorophenol | 320 | U | 320 | | 320 | 34 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 1,1'-Biphenyl | 1600 | U | 1600 | | 1600 | 1600 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2-Chloronaphthalene | 320 | U | 320 | | 320 | 34 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2-Nitroaniline | 1600 | U | 1600 | | 1600 | 43 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Dimethyl phthalate | 320 | U | 320 | | 320 | 33 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2,6-Dinitrotoluene | 320 | U | 320 | | 320 | 40 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Acenaphthylene | 320 | U | 320 | | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 3-Nitroaniline | 1600 | U | 1600 | | 1600 | 44 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Acenaphthene | 320 | U | 320 | | 320 | 39 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2,4-Dinitrophenol | 1600 | U | 1600 | | 1600 | 800 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 4-Nitrophenol | 1600 | U | 1600 | | 1600 | 320 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Dibenzofuran | 320 | U | 320 | | 320 | 32 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 2,4-Dinitrotoluene | 320 | U | 320 | | 320 | 47 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Diethyl phthalate | 320 | U | 320 | | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Fluorene | 320 | U | 320 | | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 4-Chlorophenyl phenyl ether | 320 | U | 320 | | 320 | 42 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 4-Nitroaniline | 1600 | U | 1600 | | 1600 | 47 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 4,6-Dinitro-2-methylphenol | 1600 | U | 1600 | | 1600 | 160 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| N-Nitrosodiphenylamine | 320 | U | 320 | | 320 | 32 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 4-Bromophenyl phenyl ether | 320 | U | 320 | | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Hexachlorobenzene | 320 | U | 320 | | 320 | 37 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Atrazine | 320 | U | 320 | | 320 | 22 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Pentachlorophenol | 1600 | U | 1600 | | 1600 | 320 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Phenanthrene | 320 | U | 320 | | 320 | 26 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Anthracene | 320 | U | 320 | | 320 | 24 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Carbazole | 320 | U | 320 | | 320 | 29 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Di-n-butyl phthalate | 30.9 | J | | | 320 | 29 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: MB 680-643645/16-A****Matrix: Solid****Analysis Batch: 643945****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 643645**

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|----------------|----------------|----------|---------|
| | Result | Qualifier | | | | | | | |
| Fluoranthene | 320 | U | 320 | 31 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Pyrene | 320 | U | 320 | 26 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Butyl benzyl phthalate | 320 | U | 320 | 25 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 3,3'-Dichlorobenzidine | 630 | U | 630 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Benzo[a]anthracene | 320 | U | 320 | 26 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Chrysene | 320 | U | 320 | 20 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Bis(2-ethylhexyl) phthalate | 320 | U | 320 | 28 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Di-n-octyl phthalate | 320 | U | 320 | 28 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Benzo[b]fluoranthene | 320 | U | 320 | 36 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Benzo[k]fluoranthene | 320 | U | 320 | 62 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Benzo[a]pyrene | 320 | U | 320 | 50 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Indeno[1,2,3-cd]pyrene | 320 | U | 320 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Dibenz(a,h)anthracene | 320 | U | 320 | 37 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| Benzo[g,h,i]perylene | 320 | U | 320 | 21 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |
| 1-Methylnaphthalene | 320 | U | 320 | 30 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Nitrobenzene-d5 (Surr) | 58 | | 37 - 115 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2-Fluorobiphenyl (Surr) | 57 | | 41 - 116 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Terphenyl-d14 (Surr) | 68 | | 46 - 126 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Phenol-d5 (Surr) | 57 | | 38 - 122 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2-Fluorophenol (Surr) | 56 | | 39 - 114 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2,4,6-Tribromophenol (Surr) | 58 | | 45 - 129 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |

Lab Sample ID: LCS 680-643645/17-A**Matrix: Solid****Analysis Batch: 643945****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 643645**

| Analyte | Spike | | LCS | LCS | Unit | D | %Rec | Limits | |
|-------------------------------|-------|--------|-----------|-------|------|----------|------|--------|--|
| | Added | Result | Qualifier | Unit | | | | | |
| Benzaldehyde | 6370 | 764 | | ug/Kg | 12 | 10 - 130 | | | |
| Phenol | 6370 | 3990 | | ug/Kg | 63 | 47 - 130 | | | |
| Bis(2-chloroethyl)ether | 6370 | 3890 | | ug/Kg | 61 | 37 - 130 | | | |
| 2-Chlorophenol | 6370 | 3880 | | ug/Kg | 61 | 47 - 130 | | | |
| 2-Methylphenol | 6370 | 3870 | | ug/Kg | 61 | 46 - 130 | | | |
| bis (2-chloroisopropyl) ether | 6370 | 4590 | | ug/Kg | 72 | 38 - 130 | | | |
| Acetophenone | 6370 | 3530 | | ug/Kg | 55 | 44 - 130 | | | |
| 3 & 4 Methylphenol | 6370 | 3730 | | ug/Kg | 59 | 46 - 130 | | | |
| N-Nitrosodi-n-propylamine | 6370 | 3510 | | ug/Kg | 55 | 38 - 130 | | | |
| Hexachloroethane | 6370 | 3340 | | ug/Kg | 52 | 42 - 130 | | | |
| Nitrobenzene | 6370 | 3590 | | ug/Kg | 56 | 45 - 130 | | | |
| Isophorone | 6370 | 3840 | | ug/Kg | 60 | 48 - 130 | | | |
| 2-Nitrophenol | 6370 | 3680 | | ug/Kg | 58 | 43 - 130 | | | |
| 2,4-Dimethylphenol | 6370 | 3930 | | ug/Kg | 62 | 43 - 130 | | | |
| Bis(2-chloroethoxy)methane | 6370 | 3700 | | ug/Kg | 58 | 47 - 130 | | | |
| 2,4-Dichlorophenol | 6370 | 3880 | | ug/Kg | 61 | 48 - 130 | | | |
| Naphthalene | 6370 | 3600 | | ug/Kg | 57 | 47 - 130 | | | |
| 4-Chloroaniline | 6370 | 2590 | | ug/Kg | 41 | 10 - 130 | | | |
| Hexachlorobutadiene | 6370 | 3470 | | ug/Kg | 55 | 48 - 130 | | | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-643645/17-A****Matrix: Solid****Analysis Batch: 643945****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 643645**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|-----------------------------|----------------|---------------|------------------|------|----|----------|--------|
| Caprolactam | 6370 | 4820 | ug/Kg | | 76 | 44 - 130 | |
| 4-Chloro-3-methylphenol | 6370 | 3980 | ug/Kg | | 62 | 51 - 130 | |
| 2-Methylnaphthalene | 6370 | 3560 | ug/Kg | | 56 | 48 - 130 | |
| Hexachlorocyclopentadiene | 6370 | 2470 | ug/Kg | | 39 | 28 - 130 | |
| 2,4,6-Trichlorophenol | 6370 | 3660 | ug/Kg | | 58 | 50 - 130 | |
| 2,4,5-Trichlorophenol | 6370 | 3600 | ug/Kg | | 57 | 51 - 130 | |
| 1,1'-Biphenyl | 6370 | 3690 | ug/Kg | | 58 | 48 - 130 | |
| 2-Chloronaphthalene | 6370 | 3740 | ug/Kg | | 59 | 48 - 130 | |
| 2-Nitroaniline | 6370 | 4440 | ug/Kg | | 70 | 44 - 130 | |
| Dimethyl phthalate | 6370 | 3840 | ug/Kg | | 60 | 50 - 130 | |
| 2,6-Dinitrotoluene | 6370 | 3880 | ug/Kg | | 61 | 49 - 130 | |
| Acenaphthylene | 6370 | 3910 | ug/Kg | | 61 | 45 - 130 | |
| 3-Nitroaniline | 6370 | 3450 | ug/Kg | | 54 | 21 - 130 | |
| Acenaphthene | 6370 | 3730 | ug/Kg | | 59 | 47 - 130 | |
| 2,4-Dinitrophenol | 12700 | 4300 | ug/Kg | | 34 | 10 - 130 | |
| 4-Nitrophenol | 12700 | 7680 | ug/Kg | | 60 | 40 - 130 | |
| Dibenzofuran | 6370 | 3760 | ug/Kg | | 59 | 49 - 130 | |
| 2,4-Dinitrotoluene | 6370 | 4020 | ug/Kg | | 63 | 49 - 111 | |
| Diethyl phthalate | 6370 | 4050 | ug/Kg | | 64 | 49 - 130 | |
| Fluorene | 6370 | 3690 | ug/Kg | | 58 | 52 - 130 | |
| 4-Chlorophenyl phenyl ether | 6370 | 3620 | ug/Kg | | 57 | 49 - 130 | |
| 4-Nitroaniline | 6370 | 3910 | ug/Kg | | 61 | 41 - 130 | |
| 4,6-Dinitro-2-methylphenol | 12700 | 7000 | ug/Kg | | 55 | 23 - 130 | |
| N-Nitrosodiphenylamine | 6370 | 3880 | ug/Kg | | 61 | 50 - 130 | |
| 4-Bromophenyl phenyl ether | 6370 | 3720 | ug/Kg | | 58 | 53 - 130 | |
| Hexachlorobenzene | 6370 | 3710 | ug/Kg | | 58 | 53 - 130 | |
| Atrazine | 6370 | 3870 | ug/Kg | | 61 | 47 - 130 | |
| Pentachlorophenol | 12700 | 6380 | ug/Kg | | 50 | 41 - 130 | |
| Phenanthrrene | 6370 | 3950 | ug/Kg | | 62 | 52 - 130 | |
| Anthracene | 6370 | 3870 | ug/Kg | | 61 | 50 - 130 | |
| Carbazole | 6370 | 3950 | ug/Kg | | 62 | 51 - 130 | |
| Di-n-butyl phthalate | 6370 | 4200 | ug/Kg | | 66 | 52 - 130 | |
| Fluoranthene | 6370 | 3910 | ug/Kg | | 61 | 51 - 130 | |
| Pyrene | 6370 | 4120 | ug/Kg | | 65 | 50 - 130 | |
| Butyl benzyl phthalate | 6370 | 4460 | ug/Kg | | 70 | 53 - 134 | |
| 3,3'-Dichlorobenzidine | 12700 | 2560 | ug/Kg | | 20 | 16 - 130 | |
| Benzo[a]anthracene | 6370 | 4070 | ug/Kg | | 64 | 50 - 130 | |
| Chrysene | 6370 | 4150 | ug/Kg | | 65 | 47 - 130 | |
| Bis(2-ethylhexyl) phthalate | 6370 | 4340 | ug/Kg | | 68 | 48 - 130 | |
| Di-n-octyl phthalate | 6370 | 4600 | ug/Kg | | 72 | 46 - 130 | |
| Benzo[b]fluoranthene | 6370 | 4020 | ug/Kg | | 63 | 48 - 130 | |
| Benzo[k]fluoranthene | 6370 | 3930 | ug/Kg | | 62 | 48 - 108 | |
| Benzo[a]pyrene | 6370 | 3990 | ug/Kg | | 63 | 47 - 131 | |
| Indeno[1,2,3-cd]pyrene | 6370 | 4400 | ug/Kg | | 69 | 41 - 130 | |
| Dibenz(a,h)anthracene | 6370 | 4170 | ug/Kg | | 66 | 44 - 130 | |
| Benzo[g,h,i]perylene | 6370 | 4170 | ug/Kg | | 65 | 42 - 130 | |
| 1-Methylnaphthalene | 6370 | 3460 | ug/Kg | | 54 | 48 - 130 | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-643645/17-A

Matrix: Solid

Analysis Batch: 643945

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643645

| Surrogate | LCS | LCS | %Recovery | Qualifier | Limits |
|-----------------------------|-----|-----|-----------|-----------|----------|
| Nitrobenzene-d5 (Surr) | 54 | | | | 37 - 115 |
| 2-Fluorobiphenyl (Surr) | 52 | | | | 41 - 116 |
| Terphenyl-d14 (Surr) | 61 | | | | 46 - 126 |
| Phenol-d5 (Surr) | 57 | | | | 38 - 122 |
| 2-Fluorophenol (Surr) | 57 | | | | 39 - 114 |
| 2,4,6-Tribromophenol (Surr) | 51 | | | | 45 - 129 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Lab Sample ID: MB 680-644201/6

Matrix: Solid

Analysis Batch: 644201

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|----|----|-----------|-----------|----------|-----|-------|---|----------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 10 | U | | | 10 | 2.5 | mg/Kg | | | 11/16/20 12:58 | 100 |
| Surrogate | MB | MB | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene | 85 | | | | 70 - 131 | | | | | 11/16/20 12:58 | 100 |

Lab Sample ID: LCS 680-644201/4

Matrix: Solid

Analysis Batch: 644201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | LCS | LCS | Spike | Added | Result | LCS | Qualifier | Unit | D | %Rec. | Limits |
|--------------------------------------|-----|-----|-----------|-----------|----------|-----|-----------|-------|---|-------|----------|
| Gasoline Range Organics (GRO)-C6-C10 | | | | 50.0 | 51.6 | | | mg/Kg | | 103 | 64 - 133 |
| Surrogate | LCS | LCS | %Recovery | Qualifier | Limits | | | | | | |
| a,a,a-Trifluorotoluene | 102 | | | | 70 - 131 | | | | | | |

Lab Sample ID: LCSD 680-644201/5

Matrix: Solid

Analysis Batch: 644201

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | LCSD | LCSD | Spike | Added | Result | LCSD | Qualifier | Unit | D | %Rec. | RPD | Limit | |
|--------------------------------------|------|------|-----------|-----------|----------|------|-----------|-------|---|-------|----------|-------|----|
| Gasoline Range Organics (GRO)-C6-C10 | | | | 50.0 | 46.8 | | | mg/Kg | | 94 | 64 - 133 | 10 | 50 |
| Surrogate | LCSD | LCSD | %Recovery | Qualifier | Limits | | | | | | | | |
| a,a,a-Trifluorotoluene | 97 | | | | 70 - 131 | | | | | | | | |

QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)**Lab Sample ID: MB 680-642821/13-A****Matrix: Solid****Analysis Batch: 643095****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 642821**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------------|-----------------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 3.2 | U | 3.2 | 2.0 | mg/Kg | | 11/07/20 10:30 | 11/09/20 14:07 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o-Terphenyl (Surr)</i> | 75 | | 45 - 130 | | | | 11/07/20 10:30 | 11/09/20 14:07 | 1 |

Lab Sample ID: LCS 680-642821/14-A**Matrix: Solid****Analysis Batch: 643095****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 642821**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------------------------|------------------|------------------|------------------|-------|---|------|----------|
| Diesel Range Organics [C10-C28] | 65.4 | 28.1 | | mg/Kg | | 43 | 35 - 130 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| <i>o-Terphenyl (Surr)</i> | 42 | X | 45 - 130 | | | | |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**Lab Sample ID: MB 680-643237/17-A****Matrix: Solid****Analysis Batch: 643294****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 643237**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------------|-----------------|----------|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 16 | U | 16 | 5.2 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1221 | 16 | U | 16 | 7.1 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1232 | 16 | U | 16 | 2.5 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1242 | 16 | U | 16 | 2.4 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1248 | 16 | U | 16 | 3.9 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1254 | 16 | U | 16 | 4.7 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1260 | 16 | U | 16 | 4.5 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>Tetrachloro-m-xylene</i> | 74 | | 46 - 130 | | | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| <i>DCB Decachlorobiphenyl</i> | 83 | | 54 - 133 | | | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |

Lab Sample ID: LCS 680-643237/21-A**Matrix: Solid****Analysis Batch: 643294****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 643237**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|-------------------------------|------------------|------------------|------------------|-------|---|------|----------|
| PCB-1016 | 196 | 136 | | ug/Kg | | 69 | 43 - 130 |
| PCB-1260 | 196 | 155 | | ug/Kg | | 79 | 45 - 130 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| <i>Tetrachloro-m-xylene</i> | 73 | | 46 - 130 | | | | |
| <i>DCB Decachlorobiphenyl</i> | 83 | | 54 - 133 | | | | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)**Lab Sample ID: MB 140-44452/21-A****Matrix: Solid****Analysis Batch: 44705****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 44452**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|-----------------|-----|-------|------|---|----------------|----------------|---------|
| 2,3,7,8-TCDD | 1.0 | U | 1.0 | 0.089 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total TCDD | | 1.0 U | 1.0 | 0.089 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8-PeCDD | 0.0831 | J I | 5.0 | 0.026 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total PeCDD | 0.797 | J I | 5.0 | 0.026 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.162 | J I | 5.0 | 0.045 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,6,7,8-HxCDD | 0.0501 | J I | 5.0 | 0.042 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8,9-HxCDD | 5.0 | U | 5.0 | 0.041 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HxCDD | 0.212 | J I | 5.0 | 0.043 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 0.137 | J I | 5.0 | 0.061 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HpCDD | 0.137 | J I | 5.0 | 0.061 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| OCDD | 0.498 | J I | 10 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 2,3,7,8-TCDF | 1.0 | U | 1.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total TCDF | 1.0 | U | 1.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8-PeCDF | 5.0 | U | 5.0 | 0.050 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 2,3,4,7,8-PeCDF | 5.0 | U | 5.0 | 0.047 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total PeCDF | 5.0 | U | 5.0 | 0.050 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,7,8-HxCDF | 5.0 | U | 5.0 | 0.045 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,6,7,8-HxCDF | 5.0 | U | 5.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 2,3,4,6,7,8-HxCDF | 5.0 | U | 5.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8,9-HxCDF | 5.0 | U | 5.0 | 0.060 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HxCDF | 5.0 | U | 5.0 | 0.060 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 0.0826 | J I | 5.0 | 0.021 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 0.0940 | J I | 5.0 | 0.028 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HpCDF | 0.177 | J I | 5.0 | 0.025 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| OCDF | 0.200 | J | 10 | 0.034 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |

| Isotope Dilution | MB %Recovery | MB Qualifier | MB Limits | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------------|-----------------|--------------|----------|----------------|----------------|
| 13C-2,3,7,8-TCDD | 59 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,7,8-PeCDD | 51 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,4,7,8-HxCDD | 61 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,6,7,8-HxCDD | 70 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,4,6,7,8-HpCDD | 72 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-OCDD | 67 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-2,3,7,8-TCDF | 57 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,7,8-PeCDF | 51 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-2,3,4,7,8-PeCDF | 51 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,4,7,8-HxCDF | 68 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,6,7,8-HxCDF | 62 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-2,3,4,6,7,8-HxCDF | 65 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,7,8,9-HxCDF | 64 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,4,6,7,8-HpCDF | 71 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-1,2,3,4,7,8,9-HpCDF | 71 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |
| 13C-OCDF | 61 | | 40 - 135 | | 11/13/20 08:39 | 11/23/20 01:28 |

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)**Lab Sample ID: LCS 140-44452/20-A****Matrix: Solid****Analysis Batch: 44705****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 44452**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. | Limits |
|---------------------|-------------|------------|---------------|------|---|------|----------|--------|
| 2,3,7,8-TCDD | 20.0 | 19.1 | | pg/g | | 95 | 79 - 129 | |
| 1,2,3,7,8-PeCDD | 100 | 100 | | pg/g | | 100 | 79 - 129 | |
| 1,2,3,4,7,8-HxCDD | 100 | 106 | | pg/g | | 106 | 73 - 123 | |
| 1,2,3,6,7,8-HxCDD | 100 | 95.9 | | pg/g | | 96 | 74 - 124 | |
| 1,2,3,7,8,9-HxCDD | 100 | 110 | | pg/g | | 110 | 70 - 124 | |
| 1,2,3,4,6,7,8-HpCDD | 100 | 103 | | pg/g | | 103 | 73 - 123 | |
| OCDD | 200 | 211 | | pg/g | | 105 | 75 - 125 | |
| 2,3,7,8-TCDF | 20.0 | 21.9 | | pg/g | | 110 | 75 - 125 | |
| 1,2,3,7,8-PeCDF | 100 | 99.4 | | pg/g | | 99 | 74 - 124 | |
| 2,3,4,7,8-PeCDF | 100 | 105 | | pg/g | | 105 | 75 - 125 | |
| 1,2,3,4,7,8-HxCDF | 100 | 97.0 | | pg/g | | 97 | 75 - 125 | |
| 1,2,3,6,7,8-HxCDF | 100 | 103 | | pg/g | | 103 | 76 - 126 | |
| 2,3,4,6,7,8-HxCDF | 100 | 109 | | pg/g | | 109 | 76 - 126 | |
| 1,2,3,7,8,9-HxCDF | 100 | 106 | | pg/g | | 106 | 77 - 127 | |
| 1,2,3,4,6,7,8-HpCDF | 100 | 103 | | pg/g | | 103 | 77 - 127 | |
| 1,2,3,4,7,8,9-HpCDF | 100 | 105 | | pg/g | | 105 | 73 - 123 | |
| OCDF | 200 | 215 | | pg/g | | 108 | 49 - 128 | |

LCS LCS

| Isotope Dilution | %Recovery | Qualifier | Limits |
|-------------------------|-----------|-----------|----------|
| 13C-2,3,7,8-TCDD | 61 | | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 54 | | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDD | 61 | | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 69 | | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 74 | | 40 - 135 |
| 13C-OCDD | 72 | | 40 - 135 |
| 13C-2,3,7,8-TCDF | 57 | | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 54 | | 40 - 135 |
| 13C-2,3,4,7,8-PeCDF | 52 | | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 66 | | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDF | 62 | | 40 - 135 |
| 13C-2,3,4,6,7,8-HxCDF | 63 | | 40 - 135 |
| 13C-1,2,3,7,8,9-HxCDF | 65 | | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 70 | | 40 - 135 |
| 13C-1,2,3,4,7,8,9-HpCDF | 69 | | 40 - 135 |
| 13C-OCDF | 62 | | 40 - 135 |

Method: 6010C - Metals (ICP)**Lab Sample ID: MB 680-642887/1-A****Matrix: Solid****Analysis Batch: 643776****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 642887**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 1.8 | U | 1.8 | 0.72 | mg/Kg | | 11/07/20 11:11 | 11/12/20 07:22 | 1 |
| Barium | 0.90 | U | 0.90 | 0.14 | mg/Kg | | 11/07/20 11:11 | 11/12/20 07:22 | 1 |
| Cadmium | 0.45 | U | 0.45 | 0.090 | mg/Kg | | 11/07/20 11:11 | 11/12/20 07:22 | 1 |
| Chromium | 0.90 | U | 0.90 | 0.19 | mg/Kg | | 11/07/20 11:11 | 11/12/20 07:22 | 1 |
| Silver | 0.90 | U | 0.90 | 0.054 | mg/Kg | | 11/07/20 11:11 | 11/12/20 07:22 | 1 |
| Lead | 0.90 | U | 0.90 | 0.31 | mg/Kg | | 11/07/20 11:11 | 11/12/20 07:22 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 6010C - Metals (ICP) (Continued)**Lab Sample ID: MB 680-642887/1-A****Matrix: Solid****Analysis Batch: 643776****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 642887**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|-----|------|-------|---|----------------|----------------|---------|
| Selenium | 2.3 | U | 2.3 | 0.87 | mg/Kg | | 11/07/20 11:11 | 11/12/20 07:22 | 1 |

Lab Sample ID: LCS 680-642887/2-A**Matrix: Solid****Analysis Batch: 643776****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 642887**

| Analyte | Spike | | LCS | | | D | %Rec. | | Limits |
|----------|-------|--------|-----------|-------|------|-----|----------|--|--------|
| | Added | Result | Qualifier | Unit | %Rec | | | | |
| Arsenic | 9.52 | 10.2 | | mg/Kg | | 107 | 80 - 120 | | |
| Barium | 9.52 | 9.94 | | mg/Kg | | 104 | 80 - 120 | | |
| Cadmium | 4.76 | 5.25 | | mg/Kg | | 110 | 80 - 120 | | |
| Chromium | 9.52 | 10.3 | | mg/Kg | | 109 | 80 - 120 | | |
| Silver | 4.76 | 5.15 | | mg/Kg | | 108 | 80 - 120 | | |
| Lead | 43.2 | 47.2 | | mg/Kg | | 109 | 80 - 120 | | |
| Selenium | 9.54 | 11.1 | | mg/Kg | | 116 | 80 - 120 | | |

Lab Sample ID: 680-191026-4 MS**Matrix: Solid****Analysis Batch: 643776****Client Sample ID: SB-4****Prep Type: Total/NA****Prep Batch: 642887**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|
| | | | | | | | | | |
| Arsenic | 8.0 | | 11.6 | 20.4 | | mg/Kg | ⊗ | 107 | 75 - 125 |
| Barium | 250 | F2 | 11.6 | 346 | 4 | mg/Kg | ⊗ | 794 | 75 - 125 |
| Cadmium | 8.7 | F1 | 5.81 | 16.5 | F1 | mg/Kg | ⊗ | 134 | 75 - 125 |
| Chromium | 43 | F1 | 11.6 | 52.5 | | mg/Kg | ⊗ | 78 | 75 - 125 |
| Silver | 1.7 | | 5.81 | 7.37 | | mg/Kg | ⊗ | 97 | 75 - 125 |
| Lead | 500 | | 52.8 | 505 | 4 | mg/Kg | ⊗ | 11 | 75 - 125 |
| Selenium | 3.0 | U | 11.6 | 9.05 | | mg/Kg | ⊗ | 78 | 75 - 125 |

Lab Sample ID: 680-191026-4 MSD**Matrix: Solid****Analysis Batch: 643776****Client Sample ID: SB-4****Prep Type: Total/NA****Prep Batch: 642887**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------|-----|-------|
| | | | | | | | | | | | |
| Arsenic | 8.0 | | 12.0 | 19.4 | | mg/Kg | ⊗ | 95 | 75 - 125 | 5 | 20 |
| Barium | 250 | F2 | 12.0 | 245 | 4 F2 | mg/Kg | ⊗ | -76 | 75 - 125 | 34 | 20 |
| Cadmium | 8.7 | F1 | 5.98 | 14.1 | | mg/Kg | ⊗ | 89 | 75 - 125 | 16 | 20 |
| Chromium | 43 | F1 | 12.0 | 51.6 | F1 | mg/Kg | ⊗ | 69 | 75 - 125 | 2 | 20 |
| Silver | 1.7 | | 5.98 | 7.30 | | mg/Kg | ⊗ | 93 | 75 - 125 | 1 | 20 |
| Lead | 500 | | 54.3 | 573 | 4 | mg/Kg | ⊗ | 136 | 75 - 125 | 13 | 20 |
| Selenium | 3.0 | U | 12.0 | 9.04 | | mg/Kg | ⊗ | 75 | 75 - 125 | 0 | 20 |

Method: 7471B - Mercury (CVAA)**Lab Sample ID: MB 680-643399/1-A****Matrix: Solid****Analysis Batch: 643805****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 643399**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------------|-----------------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.020 | U | 0.020 | 0.0078 | mg/Kg | | 11/10/20 16:32 | 11/11/20 18:13 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Method: 7471B - Mercury (CVAA) (Continued)**Lab Sample ID: LCS 680-643399/2-A****Matrix: Solid****Analysis Batch: 643805****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 643399**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec. | Limits |
|---------|----------------|---------------|------------------|-------|----|----------|--------|
| Mercury | 0.227 | 0.212 | | mg/Kg | 93 | 80 - 120 | |

QC Association Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

GC/MS VOA

Prep Batch: 642405

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 5035 | |
| 680-191026-2 | SB-2 | Total/NA | Solid | 5035 | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 5035 | |
| 680-191026-4 | SB-4 | Total/NA | Solid | 5035 | |

Analysis Batch: 642425

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 8260B | 642405 |
| 680-191026-2 | SB-2 | Total/NA | Solid | 8260B | 642405 |
| 680-191026-3 | SB-3 | Total/NA | Solid | 8260B | 642405 |
| MB 680-642425/11 | Method Blank | Total/NA | Solid | 8260B | |
| LCS 680-642425/7 | Lab Control Sample | Total/NA | Solid | 8260B | |
| LCSD 680-642425/8 | Lab Control Sample Dup | Total/NA | Solid | 8260B | |

Analysis Batch: 643496

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 680-191026-4 | SB-4 | Total/NA | Solid | 8260B | 642405 |
| MB 680-643496/9 | Method Blank | Total/NA | Solid | 8260B | |
| LCS 680-643496/4 | Lab Control Sample | Total/NA | Solid | 8260B | |
| LCSD 680-643496/5 | Lab Control Sample Dup | Total/NA | Solid | 8260B | |

GC/MS Semi VOA

Prep Batch: 643645

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 3546 | |
| 680-191026-2 | SB-2 | Total/NA | Solid | 3546 | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 3546 | |
| 680-191026-4 | SB-4 | Total/NA | Solid | 3546 | |
| MB 680-643645/16-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 680-643645/17-A | Lab Control Sample | Total/NA | Solid | 3546 | |

Analysis Batch: 643945

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 8270D | 643645 |
| 680-191026-2 | SB-2 | Total/NA | Solid | 8270D | 643645 |
| 680-191026-3 | SB-3 | Total/NA | Solid | 8270D | 643645 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 8270D | 643645 |
| MB 680-643645/16-A | Method Blank | Total/NA | Solid | 8270D | 643645 |
| LCS 680-643645/17-A | Lab Control Sample | Total/NA | Solid | 8270D | 643645 |

GC VOA

Prep Batch: 642409

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 5035A | |
| 680-191026-2 | SB-2 | Total/NA | Solid | 5035A | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 5035A | |
| 680-191026-4 | SB-4 | Total/NA | Solid | 5035A | |

QC Association Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

GC VOA

Analysis Batch: 644201

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 8015C | 642409 |
| 680-191026-2 | SB-2 | Total/NA | Solid | 8015C | 642409 |
| 680-191026-3 | SB-3 | Total/NA | Solid | 8015C | 642409 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 8015C | 642409 |
| MB 680-644201/6 | Method Blank | Total/NA | Solid | 8015C | |
| LCS 680-644201/4 | Lab Control Sample | Total/NA | Solid | 8015C | |
| LCSD 680-644201/5 | Lab Control Sample Dup | Total/NA | Solid | 8015C | |

GC Semi VOA

Prep Batch: 642821

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 3546 | 10 |
| 680-191026-2 | SB-2 | Total/NA | Solid | 3546 | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 3546 | 11 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 3546 | |
| MB 680-642821/13-A | Method Blank | Total/NA | Solid | 3546 | 12 |
| LCS 680-642821/14-A | Lab Control Sample | Total/NA | Solid | 3546 | |

Analysis Batch: 643095

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 8015C | 642821 |
| 680-191026-2 | SB-2 | Total/NA | Solid | 8015C | 642821 |
| 680-191026-3 | SB-3 | Total/NA | Solid | 8015C | 642821 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 8015C | 642821 |
| MB 680-642821/13-A | Method Blank | Total/NA | Solid | 8015C | 642821 |
| LCS 680-642821/14-A | Lab Control Sample | Total/NA | Solid | 8015C | 642821 |

Prep Batch: 643237

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 3546 | |
| 680-191026-2 | SB-2 | Total/NA | Solid | 3546 | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 3546 | |
| 680-191026-4 | SB-4 | Total/NA | Solid | 3546 | |
| MB 680-643237/17-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 680-643237/21-A | Lab Control Sample | Total/NA | Solid | 3546 | |

Analysis Batch: 643294

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 8082A | 643237 |
| MB 680-643237/17-A | Method Blank | Total/NA | Solid | 8082A | 643237 |
| LCS 680-643237/21-A | Lab Control Sample | Total/NA | Solid | 8082A | 643237 |

Analysis Batch: 643411

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-191026-2 | SB-2 | Total/NA | Solid | 8082A | 643237 |
| 680-191026-3 | SB-3 | Total/NA | Solid | 8082A | 643237 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 8082A | 643237 |

QC Association Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Specialty Organics**Prep Batch: 44452**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 8290 | |
| 680-191026-2 | SB-2 | Total/NA | Solid | 8290 | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 8290 | |
| 680-191026-4 | SB-4 | Total/NA | Solid | 8290 | |
| MB 140-44452/21-A | Method Blank | Total/NA | Solid | 8290 | |
| LCS 140-44452/20-A | Lab Control Sample | Total/NA | Solid | 8290 | |

Analysis Batch: 44705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 8290A | 44452 |
| 680-191026-2 | SB-2 | Total/NA | Solid | 8290A | 44452 |
| 680-191026-3 | SB-3 | Total/NA | Solid | 8290A | 44452 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 8290A | 44452 |
| MB 140-44452/21-A | Method Blank | Total/NA | Solid | 8290A | 44452 |
| LCS 140-44452/20-A | Lab Control Sample | Total/NA | Solid | 8290A | 44452 |

Analysis Batch: 44752

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-191026-4 | SB-4 | Total/NA | Solid | 8290A | 44452 |

Metals**Prep Batch: 642887**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 3050B | |
| 680-191026-2 | SB-2 | Total/NA | Solid | 3050B | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 3050B | |
| 680-191026-4 | SB-4 | Total/NA | Solid | 3050B | |
| 680-191026-5 | SR-1 | Total/NA | Solid | 3050B | |
| 680-191026-6 | SR-2 | Total/NA | Solid | 3050B | |
| 680-191026-7 | SR-3 | Total/NA | Solid | 3050B | |
| 680-191026-8 | SR-4 | Total/NA | Solid | 3050B | |
| 680-191026-9 | SR-5 | Total/NA | Solid | 3050B | |
| 680-191026-10 | SR-6 | Total/NA | Solid | 3050B | |
| MB 680-642887/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 680-642887/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| 680-191026-4 MS | SB-4 | Total/NA | Solid | 3050B | |
| 680-191026-4 MSD | SB-4 | Total/NA | Solid | 3050B | |

Prep Batch: 643399

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 7471B | |
| 680-191026-2 | SB-2 | Total/NA | Solid | 7471B | |
| 680-191026-3 | SB-3 | Total/NA | Solid | 7471B | |
| 680-191026-4 | SB-4 | Total/NA | Solid | 7471B | |
| MB 680-643399/1-A | Method Blank | Total/NA | Solid | 7471B | |
| LCS 680-643399/2-A | Lab Control Sample | Total/NA | Solid | 7471B | |

Analysis Batch: 643776

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-191026-2 | SB-2 | Total/NA | Solid | 6010C | 642887 |

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QC Association Summary

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Metals (Continued)**Analysis Batch: 643776 (Continued)**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-3 | SB-3 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-5 | SR-1 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-6 | SR-2 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-7 | SR-3 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-8 | SR-4 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-9 | SR-5 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-10 | SR-6 | Total/NA | Solid | 6010C | 642887 |
| MB 680-642887/1-A | Method Blank | Total/NA | Solid | 6010C | 642887 |
| LCS 680-642887/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 642887 |
| 680-191026-4 MS | SB-4 | Total/NA | Solid | 6010C | 642887 |
| 680-191026-4 MSD | SB-4 | Total/NA | Solid | 6010C | 642887 |

Analysis Batch: 643805

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 7471B | 643399 |
| 680-191026-2 | SB-2 | Total/NA | Solid | 7471B | 643399 |
| 680-191026-3 | SB-3 | Total/NA | Solid | 7471B | 643399 |
| 680-191026-4 | SB-4 | Total/NA | Solid | 7471B | 643399 |
| MB 680-643399/1-A | Method Blank | Total/NA | Solid | 7471B | 643399 |
| LCS 680-643399/2-A | Lab Control Sample | Total/NA | Solid | 7471B | 643399 |

Analysis Batch: 643988

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | 6010C | 642887 |

General Chemistry**Analysis Batch: 643619**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 680-191026-1 | SB-1 | Total/NA | Solid | Moisture | |
| 680-191026-2 | SB-2 | Total/NA | Solid | Moisture | |
| 680-191026-3 | SB-3 | Total/NA | Solid | Moisture | |
| 680-191026-4 | SB-4 | Total/NA | Solid | Moisture | |
| 680-191026-5 | SR-1 | Total/NA | Solid | Moisture | |
| 680-191026-6 | SR-2 | Total/NA | Solid | Moisture | |
| 680-191026-7 | SR-3 | Total/NA | Solid | Moisture | |
| 680-191026-8 | SR-4 | Total/NA | Solid | Moisture | |
| 680-191026-9 | SR-5 | Total/NA | Solid | Moisture | |
| 680-191026-10 | SR-6 | Total/NA | Solid | Moisture | |

Lab Chronicle

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-1

Date Collected: 11/03/20 15:40

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: SB-1

Date Collected: 11/03/20 15:40

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-1

Matrix: Solid

Percent Solids: 83.1

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 7.259 g | 5 mL | 642405 | 11/05/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 642425 | 11/05/20 18:37 | SMP | TAL SAV |
| Instrument ID: CMSAB | | | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.78 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 18:37 | T1C | TAL SAV |
| Instrument ID: CMSN | | | | | | | | | | |
| Total/NA | Prep | 5035A | | | 6.48 g | 5 mL | 642409 | 11/05/20 09:06 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 644201 | 11/16/20 14:16 | DBM | TAL SAV |
| Instrument ID: CVGWFID1 | | | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.38 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 17:12 | JCK | TAL SAV |
| Instrument ID: CSGAB1 | | | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.05 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643294 | 11/10/20 22:40 | JCK | TAL SAV |
| Instrument ID: CSGK | | | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.42 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44705 | 11/23/20 02:29 | LKM | TAL KNX |
| Instrument ID: D2A | | | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.10 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643988 | 11/13/20 14:12 | BCB | TAL SAV |
| Instrument ID: ICPE | | | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.55 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | | | 643805 | 11/11/20 20:13 | BCB | TAL SAV |
| Instrument ID: LEEMAN2 | | | | | | | | | | |

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

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Lab Chronicle

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-2

Date Collected: 11/03/20 14:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-2

Matrix: Solid

Percent Solids: 81.0

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 6.664 g | 5 mL | 642405 | 11/05/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 642425 | 11/05/20 19:00 | SMP | TAL SAV |
| | | Instrument ID: CMSAB | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.38 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 19:01 | T1C | TAL SAV |
| | | Instrument ID: CMSN | | | | | | | | |
| Total/NA | Prep | 5035A | | | 6.343 g | 5 mL | 642409 | 11/05/20 09:06 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 644201 | 11/16/20 14:40 | DBM | TAL SAV |
| | | Instrument ID: CVGWFID1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.59 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 17:28 | JCK | TAL SAV |
| | | Instrument ID: CSGAB1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.16 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643411 | 11/11/20 01:05 | JCK | TAL SAV |
| | | Instrument ID: CSGK | | | | | | | | |
| Total/NA | Prep | 8290 | | | 9.62 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44705 | 11/23/20 03:30 | LKM | TAL KNX |
| | | Instrument ID: D2A | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.06 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 07:37 | BCB | TAL SAV |
| | | Instrument ID: ICPE | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.59 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | | | 643805 | 11/11/20 20:17 | BCB | TAL SAV |
| | | Instrument ID: LEEMAN2 | | | | | | | | |

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid

Percent Solids: 68.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.392 g | 5 mL | 642405 | 11/05/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 642425 | 11/05/20 19:23 | SMP | TAL SAV |
| | | Instrument ID: CMSAB | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.43 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 19:25 | T1C | TAL SAV |
| | | Instrument ID: CMSN | | | | | | | | |

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-3

Date Collected: 11/03/20 13:30

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-3

Matrix: Solid

Percent Solids: 68.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035A | | | 5.604 g | 5 mL | 642409 | 11/05/20 09:06 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 644201 | 11/16/20 15:03 | DBM | TAL SAV |
| | | Instrument ID: CVGWFID1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.54 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 18:45 | JCK | TAL SAV |
| | | Instrument ID: CSGAB1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.50 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643411 | 11/11/20 01:22 | JCK | TAL SAV |
| | | Instrument ID: CSGK | | | | | | | | |
| Total/NA | Prep | 8290 | | | 9.52 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44705 | 11/23/20 04:31 | LKM | TAL KNX |
| | | Instrument ID: D2A | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.05 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 07:42 | BCB | TAL SAV |
| | | Instrument ID: ICPE | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.58 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | | | 643805 | 11/11/20 20:08 | BCB | TAL SAV |
| | | Instrument ID: LEEMAN2 | | | | | | | | |

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 6.541 g | 5 mL | 642405 | 11/05/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 643496 | 11/11/20 15:02 | Y1S | TAL SAV |
| | | Instrument ID: CMSAB | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.72 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 19:48 | T1C | TAL SAV |
| | | Instrument ID: CMSN | | | | | | | | |
| Total/NA | Prep | 5035A | | | 5.758 g | 5 mL | 642409 | 11/05/20 09:06 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 644201 | 11/16/20 15:26 | DBM | TAL SAV |
| | | Instrument ID: CVGWFID1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.15 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 19:00 | JCK | TAL SAV |
| | | Instrument ID: CSGAB1 | | | | | | | | |

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SB-4

Date Collected: 11/03/20 12:10

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-4

Matrix: Solid

Percent Solids: 78.9

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 15.26 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643411 | 11/11/20 01:38 | JCK | TAL SAV |
| | | Instrument ID: CSGK | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.06 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44752 | 11/24/20 14:11 | MSD | TAL KNX |
| | | Instrument ID: D12C | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.06 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44705 | 11/23/20 05:32 | LKM | TAL KNX |
| | | Instrument ID: D2A | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.06 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 07:57 | BCB | TAL SAV |
| | | Instrument ID: ICPE | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.56 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 5 | | | 643805 | 11/12/20 12:50 | BCB | TAL SAV |
| | | Instrument ID: LEEMAN2 | | | | | | | | |

Client Sample ID: SR-1

Date Collected: 11/03/20 16:28

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: SR-1

Date Collected: 11/03/20 16:28

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-5

Matrix: Solid

Percent Solids: 77.4

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.11 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 08:11 | BCB | TAL SAV |
| | | Instrument ID: ICPE | | | | | | | | |

Client Sample ID: SR-2

Date Collected: 11/03/20 16:38

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-6

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SR-2

Date Collected: 11/03/20 16:38
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-6
Matrix: Solid
Percent Solids: 77.2

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.19 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 08:16 | BCB | TAL SAV |
| Instrument ID: ICPE | | | | | | | | | | |

Client Sample ID: SR-3

Date Collected: 11/03/20 16:43
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-7
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: SR-3

Date Collected: 11/03/20 16:43
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-7
Matrix: Solid
Percent Solids: 72.8

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.19 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 08:31 | BCB | TAL SAV |
| Instrument ID: ICPE | | | | | | | | | | |

Client Sample ID: SR-4

Date Collected: 11/03/20 16:48
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-8
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: SR-4

Date Collected: 11/03/20 16:48
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-8
Matrix: Solid
Percent Solids: 75.1

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.11 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 08:36 | BCB | TAL SAV |
| Instrument ID: ICPE | | | | | | | | | | |

Client Sample ID: SR-5

Date Collected: 11/03/20 16:54
Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-9
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Client Sample ID: SR-5

Date Collected: 11/03/20 16:54

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-9

Matrix: Solid

Percent Solids: 60.9

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.03 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 08:41 | BCB | TAL SAV |
| Instrument ID: ICPE | | | | | | | | | | |

Client Sample ID: SR-6

Date Collected: 11/03/20 16:50

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-10

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643619 | 11/11/20 19:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: SR-6

Date Collected: 11/03/20 16:50

Date Received: 11/04/20 09:30

Lab Sample ID: 680-191026-10

Matrix: Solid

Percent Solids: 54.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 1.07 g | 100 mL | 642887 | 11/07/20 11:11 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643776 | 11/12/20 08:56 | BCB | TAL SAV |
| Instrument ID: ICPE | | | | | | | | | | |

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah

Accreditation/Certification Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Virginia | NELAP | 10509 | 06-14-21 |

Laboratory: Eurofins TestAmerica, Knoxville

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Virginia | NELAP | 460176 | 09-14-21 |

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Method Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-191026-1

| Method | Method Description | Protocol | Laboratory |
|----------|--|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL SAV |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL SAV |
| 8015C | Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) | SW846 | TAL SAV |
| 8015C | Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) | SW846 | TAL SAV |
| 8082A | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | TAL SAV |
| 8290A | Dioxins and Furans (HRGC/HRMS) | SW846 | TAL KNX |
| 6010C | Metals (ICP) | SW846 | TAL SAV |
| 7471B | Mercury (CVAA) | SW846 | TAL SAV |
| Moisture | Percent Moisture | EPA | TAL SAV |
| 3050B | Preparation, Metals | SW846 | TAL SAV |
| 3546 | Microwave Extraction | SW846 | TAL SAV |
| 5035 | Closed System Purge and Trap | SW846 | TAL SAV |
| 5035A | Closed System Purge & Trap/Field Methanol | SW846 | TAL SAV |
| 7471B | Preparation, Mercury | SW846 | TAL SAV |
| 8290 | Soxhlet Extraction of Dioxins and Furans | SW846 | TAL KNX |

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404-6019
phone 912.354.7858 fax 912.352.0165

Chain of Custody Record

eurofins | Environment Testing
TestAmerica

TestAmerica Laboratories, Inc. db/a Eurofins TestAmerica

Regulatory Program: DW NPDES RCRA Other:

| Client Contact | | Project Manager: Scott Huber | | Site Contact: Kathy Smith | | Date: 11/3/2020 | | COC No: | |
|--------------------------------------|-------------------------|------------------------------|--|---------------------------|------------|------------------------|---|---------|---|
| Total Environmental Concepts Inc. | Email: wshuber@teci.pro | Tel/Fax: 571-299-9881 | Analysis Turnaround Time | Lab Contact: Kathy Smith | Carrier: | | | | |
| 7432 Albion Station Blvd, Suite B252 | | | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS | | | | | | |
| Springfield, VA 22150 | Phone | (703) 567-4346 | TAT if different from Below _____ <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day | | | | | | |
| (703) 567-3487 | FAX | (703) 567-3487 | | | | | | | |
| Project Name: Stafford, VA | | | | | | | | | |
| Site: Stafford County Parcel 45 98 | | | | | | | | | |
| P O # 4430002-003 | | | | | | | | | |
| 680-191026 Chain of Custody | | | | | | | | | |
| Sample Identification | | | | | | | | | |
| Sample Date | Sample Time | Type | Sample (C=Comp, G=Grab) | Matrix | # of Cont. | Sample Specific Notes: | | | |
| SB-1 | 11/3/2020 | 1540 | G | Solid | 9 | X | X | X | X |
| SB-2 | 11/3/2020 | 1430 | G | Solid | 9 | X | X | X | X |
| SB-3 | 11/3/2020 | 1330 | G | Solid | 9 | X | X | X | X |
| SB-4 | 11/3/2020 | 1210 | G | Solid | 9 | X | X | X | X |
| SR-1 | 11/3/2020 | 1628 | G | Solid | 1 | | | | |
| SR-2 | 11/3/2020 | 1638 | G | Solid | 1 | | | | |
| SR-3 | 11/3/2020 | 1643 | G | Solid | 1 | | | | |
| SR-4 | 11/3/2020 | 1648 | G | Solid | 1 | | | | |
| SR-5 | 11/3/2020 | 1654 | G | Solid | 1 | | | | |
| SR-6 | 11/3/2020 | 1650 | G | Solid | 1 | | | | |
| 680-191026 Chain of Custody | | | | | | | | | |

Preservation Used: 1= Ice; 2= HCl; 3= H₂SO₄; 4=HNO₃; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison A Poison B Unknown

Special Instructions/QC Requirements & Comments:
Project # 68024613
Samples listed in 2 coolers

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

| Custody Seals Intact: | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Custody Seal No.: | Cooler Temp. (°C): Obs'd.: | Corr'd.: | Therm ID No.: | |
|--|--|------------------------------|-----------------------------|---------------------|-----------------------------------|---------------------------------------|------------------|--------------------|
| Relinquished by: <u>Willie Scott M.D.</u> | | | | Company: <u>TEC</u> | Date/Time: <u>11/2/2020 10:00</u> | Received by: <u></u> | Company: <u></u> | Date/Time: <u></u> |
| Relinquished by: <u></u> | | | | Company: <u></u> | Date/Time: <u></u> | Received by: <u></u> | Company: <u></u> | Date/Time: <u></u> |
| Relinquished by: <u></u> | | | | Company: <u>JTA</u> | Date/Time: <u>11-4-20 6:30</u> | Received in Laboratory by: <u>JTA</u> | Company: <u></u> | Date/Time: <u></u> |
| Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019 | | | | | | | | |

680-191026 Chain of Custody

680-191026 Chain of Custody

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Eurofins TestAmerica, Savannah
 5102 LaRochelle Avenue
 Savannah, GA 31404
 Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record


 eurofins | Environment Testing
 America

| Client Information (Sub Contract Lab) | | Sampler: | Lab P/M: Smith, Kathryn E | Carrier Tracking No(s): 680-631911-1 |
|--|--|---|--|--|
| Client Contact: | Shipping/Receiving | Phone: | E-Mail: Kathy.Smith@Eurofinset.com | State of Origin: Virginia |
| TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Virginia | | |
| Address: | | Due Date Requested: | 680-191026-1 | |
| 5815 Middlebrook Pike, City: Knoxville | TAT Requested (days): TN, 37921 | 11/26/2020 | Analysis Requested <input checked="" type="checkbox"/> 8290A/B290_P_Sox 17 Isomers + Totals <input type="checkbox"/> Old/Used Sample (yes or No) | |
| Phone: 865-291-3000(Tel) 865-584-4315(Fax) | PO #: | | Total Number of Containers: <input type="checkbox"/> A - HCl <input type="checkbox"/> B - NaOH <input type="checkbox"/> C - Zn-Acetate <input type="checkbox"/> D - Nitric Acid <input type="checkbox"/> E - NaHSO4 <input type="checkbox"/> F - MeOH <input type="checkbox"/> G - Ammonium Sulfate <input type="checkbox"/> H - Ascorbic Acid <input type="checkbox"/> I - Ices <input type="checkbox"/> J - DI Water <input type="checkbox"/> K - EDTA <input type="checkbox"/> L - EDA <input type="checkbox"/> Other: | |
| Email: Project Name: Stanford County Parcel 4598 | WO #: | | | |
| Site: | Project #: 68024613 | SSOW#: | | |
| Sample Identification - Client ID (Lab ID) | | Sample Date | Sample Time | Sample Type (C=comp, G=grab) (T=Trace, A=Air) |
| SB-1 (680-191026-1) | | 11/3/20 | 15:40 Eastern | Solid X |
| SB-2 (680-191026-2) | | 11/3/20 | 14:30 Eastern | Solid X |
| SB-3 (680-191026-3) | | 11/3/20 | 13:30 Eastern | Solid X |
| SB-4 (680-191026-4) | | 11/3/20 | 12:10 Eastern | Solid X |
| CUSTODY SEALS INTACT | | | | |
| RELEASER AT 11:00 AM CDT 11/3/20 | | | | |
| 11:00 AM CDT 11/3/20 | | | | |
| 11:00 AM CDT 11/3/20 | | | | |
| | | | | |
| 680-191026 Chain of Custody | | | | |
| Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analytic & accreditation compliance upon out subcontractor. If the laboratory does not currently maintain accreditation in the state of origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica. | | | | |
| Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify): Primary Deliverable Rank: 2 | | | | |
| Empty Kit Relinquished by: Relinquished by: Relinquished by: Custody Seals Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Custody Seal Seal No.: | | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: <input type="checkbox"/> Method of Shipment: Date/Time: 11-4-2020 16:16 Company Received by: Date/Time: 11-5-2020 09:31 Company Received by: Date/Time: Company Received by: Date/Time: Company Received by: Date/Time: Company Received by: Cooler Temperature(s) °C and Other Remarks: | | | | |

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 Ver: 01/16/2019

EUROFIN/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

| Review Items | Yes | No | NA | If No, what was the problem? | Comments/Actions Taken |
|--|-----|----|----|---|------------------------|
| 1. Are the shipping containers intact? | / | | | <input type="checkbox"/> Containers, Broken | |
| 2. Were ambient air containers received intact? | / | | | <input type="checkbox"/> Checked in lab | |
| 3. The coolers/containers custody seal if present, is it intact? | / | | | <input type="checkbox"/> Yes <input type="checkbox"/> NA | |
| 4. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C) | / | | | <input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt | |
| Thermometer ID : <u>5068</u> Correction factor: <u>10.1°C</u> | | | | | |
| 5. Were all of the sample containers received intact? | / | | | <input type="checkbox"/> Containers, Broken | |
| 6. Were samples received in appropriate containers? | / | | | <input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel | |
| 7. Do sample container labels match COC? (IDs, Dates, Times) | / | | | <input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received | |
| 8. Were all of the samples listed on the COC received? | / | | | <input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received | |
| 9. Is the date/time of sample collection noted? | / | | | <input type="checkbox"/> COC; No Date/Time; Client Contacted | |
| 10. Was the sampler identified on the COC? | / | | | <input type="checkbox"/> Sampler Not Listed on COC | |
| 11. Is the client and project name/# identified? | / | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 12. Are tests/parameters listed for each sample? | / | | | <input type="checkbox"/> COC No tests on COC | |
| 13. Is the matrix of the samples noted? | / | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 14. Was COC relinquished? (Signed/Dated/Timed) | / | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 15. Were samples received within holding time? | / | | | <input type="checkbox"/> Holding Time - Receipt | |
| 16. Were samples received with correct chemical preservative (excluding Encore)? | / | | | <input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative | |
| 17. Were VOA samples received without headspace? | / | | | <input type="checkbox"/> Headspace (VOA only) | |
| 18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) | / | | | <input type="checkbox"/> Residual Chlorine | |
| Chlorine test strip lot number: | | | | | |
| 19. For 1613B water samples is pH<9? | / | | | <input type="checkbox"/> If no, notify lab to adjust <input type="checkbox"/> Project missing info | |
| 20. For rad samples was sample activity info. Provided? | / | | | | |
| Project #: _____ | | | | PM Instructions: _____ | |
| Sample Receiving Associate: _____ | | | | Date: 11-5-20 | |
| | | | | QA026R32.doc, 062719 | |

Login Sample Receipt Checklist

Client: Total Environmental Concepts Inc.

Job Number: 680-191026-1

Login Number: 191026**List Source: Eurofins TestAmerica, Savannah****List Number: 1****Creator: Sims, Robert D**

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Environment Testing
America



ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

[Laboratory Job ID: 680-190916-1](#)

Client Project/Site: Stafford County Parcel 4598

For:

Total Environmental Concepts Inc.
7432 Alban Station Blvd
Suite B-252
Springfield, Virginia 22150

Attn: Scott Huber

Kathryn Smith

Authorized for release by:

11/30/2020 2:10:03 PM

Kathryn Smith, Client Service Manager
(912)250-0275

Kathy.Smith@Eurofinset.com

LINKS

Review your project
results through

Total Access

Have a Question?

Ask
The
Expert

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| * | LCS or LCSD is outside acceptance limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |
| X | Surrogate recovery exceeds control limits |

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |
| X | Surrogate recovery exceeds control limits |

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |
| X | Surrogate recovery exceeds control limits |

Dioxin

| Qualifier | Qualifier Description |
|-----------|--|
| B | Compound was found in the blank and sample. |
| I | Value is EMPC (estimated maximum possible concentration). |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| % | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |

Definitions/Glossary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|--|
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

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Sample Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID | |
|---------------|------------------|--------|----------------|----------------|----------|----|
| 680-190916-1 | SB-5 | Solid | 11/02/20 15:15 | 11/03/20 09:30 | | 1 |
| 680-190916-2 | SB-6 | Solid | 11/02/20 14:40 | 11/03/20 09:30 | | 2 |
| 680-190916-3 | SB-7 | Solid | 11/02/20 13:30 | 11/03/20 09:30 | | 3 |
| 680-190916-4 | SB-8 | Solid | 11/02/20 12:30 | 11/03/20 09:30 | | 4 |
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Case Narrative

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Job ID: 680-190916-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: Total Environmental Concepts Inc.
Project: Stafford County Parcel 4598

Report Number: 680-190916-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/03/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 11/04/2020 and analyzed on 11/05/2020 and 11/11/2020.

Surrogate recovery for the following sample was outside the upper control limit: SB-5 (680-190916-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-642425 recovered outside control limits for the following analyte: Vinyl Acetate. Vinyl Acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for Semivolatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 11/12/2020 and analyzed on 11/13/2020.

Di-n-butyl phthalate was detected in method blank MB 680-643645/16-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Surrogate recovery for the following samples was outside control limits: SB-5 (680-190916-1), SB-6 (680-190916-2) and SB-8 (680-190916-4). Re-extraction and/or re-analysis was performed with concurring results and original data set reported.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-7 (680-190916-3). These results have been reported and qualified.

Several analytes recovered low for the MS/MSD of sample SB-5 (680-190916-1) in batch 680-643945. Several analytes exceeded the RPD limit.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for Diesel Range

Case Narrative

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Job ID: 680-190916-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Organics (DRO) in accordance with EPA SW-846 Method 8015C. The samples were prepared on 11/07/2020 and analyzed on 11/09/2020.

Due to the nature of this analysis which involves a total area sum over the entire retention time range, manual integrations are routinely performed for target analytes and surrogates to ensure consistent integration.

The surrogate recovery for the LCS associated with preparation batch 680-642821 and analytical batch 680-643095 was outside the control limits. The sample surrogates and the target analytes in the LCS were within control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

8015C DRO

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for 8015C DRO in accordance with 8015C_GRO_DOD5. The samples were prepared on 11/04/2020 and analyzed on 11/08/2020.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/10/2020 and analyzed on 11/10/2020 and 11/11/2020.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-5 (680-190916-1), (680-190916-B-1-B MS) and (680-190916-B-1-C MSD). These results have been reported and qualified.

PCB-1260 recovered low for the MS/MSD of sample SB-5 (680-190916-1) in batch 680-643294.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 11/13/2020 and analyzed on 11/23/2020 and 11/24/2020.

Several analytes were detected in method blank MB 140-44452/21-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/06/2020 and analyzed on 11/09/2020 and 11/11/2020.

Sample SB-5 (680-190916-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 11/10/2020 and analyzed on 11/11/2020.

Mercury recovered low for the MS/MSD of sample SB-7 (680-190916-3) in batch 680-643805.

Case Narrative

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Job ID: 680-190916-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples SB-5 (680-190916-1), SB-6 (680-190916-2), SB-7 (680-190916-3) and SB-8 (680-190916-4) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 11/11/2020.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-5

Date Collected: 11/02/20 15:15

Lab Sample ID: 680-190916-1

Date Received: 11/03/20 09:30

Matrix: Solid

Percent Solids: 77.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Acetone | 56 | U | 56 | 12 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Benzene | 5.6 | U | 5.6 | 0.82 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Bromobenzene | 5.6 | U | 5.6 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Bromoform | 5.6 | U | 5.6 | 3.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Bromochloromethane | 5.6 | U | 5.6 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Bromodichloromethane | 5.6 | U | 5.6 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Bromomethane | 5.6 | U | 5.6 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 2-Butanone (MEK) | 28 | U | 28 | 2.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Carbon disulfide | 5.6 | U | 5.6 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Carbon tetrachloride | 5.6 | U | 5.6 | 0.93 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Chlorobenzene | 5.6 | U | 5.6 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Chloroethane | 5.6 | U | 5.6 | 3.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Chloroform | 5.6 | U | 5.6 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Chloromethane | 5.6 | U | 5.6 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 2-Chlorotoluene | 5.6 | U | 5.6 | 2.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 4-Chlorotoluene | 5.6 | U | 5.6 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| cis-1,2-Dichloroethene | 5.6 | U | 5.6 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| cis-1,3-Dichloropropene | 5.6 | U | 5.6 | 0.93 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Dibromochloromethane | 5.6 | U | 5.6 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2-Dibromo-3-Chloropropane | 11 | U | 11 | 4.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2-Dibromoethane | 5.6 | U | 5.6 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Dibromomethane | 5.6 | U | 5.6 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2-Dichlorobenzene | 5.6 | U | 5.6 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,3-Dichlorobenzene | 5.6 | U | 5.6 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,4-Dichlorobenzene | 5.6 | U | 5.6 | 0.83 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Dichlorodifluoromethane | 5.6 | U | 5.6 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,1-Dichloroethane | 5.6 | U | 5.6 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2-Dichloroethane | 5.6 | U | 5.6 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,1-Dichloroethene | 5.6 | U | 5.6 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2-Dichloroethene, Total | 11 | U | 11 | 0.71 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2-Dichloropropane | 5.6 | U | 5.6 | 0.96 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,3-Dichloropropane | 5.6 | U | 5.6 | 2.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 2,2-Dichloropropane | 5.6 | U | 5.6 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,1-Dichloropropene | 5.6 | U | 5.6 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Ethylbenzene | 5.6 | U | 5.6 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Hexachlorobutadiene | 5.6 | U | 5.6 | 3.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 2-Hexanone | 28 | U | 28 | 3.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Isopropylbenzene | 5.6 | U | 5.6 | 2.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Methylene Chloride | 5.6 | U | 5.6 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 4-Methyl-2-pentanone | 28 | U | 28 | 4.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Methyl tert-butyl ether | 5.6 | U | 5.6 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| m-Xylene & p-Xylene | 5.6 | U | 5.6 | 2.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Naphthalene | 5.6 | U | 5.6 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| n-Butylbenzene | 5.6 | U | 5.6 | 2.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| N-Propylbenzene | 5.6 | U | 5.6 | 3.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| o-Xylene | 5.6 | U | 5.6 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| p-Isopropyltoluene | 5.6 | U | 5.6 | 2.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| sec-Butylbenzene | 5.6 | U | 5.6 | 2.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Styrene | 5.6 | U | 5.6 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-5

Date Collected: 11/02/20 15:15

Lab Sample ID: 680-190916-1

Date Received: 11/03/20 09:30

Matrix: Solid

Percent Solids: 77.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| tert-Butylbenzene | 5.6 | U | 5.6 | 2.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,1,1,2-Tetrachloroethane | 5.6 | U | 5.6 | 2.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,1,2,2-Tetrachloroethane | 5.6 | U | 5.6 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Tetrachloroethene | 5.6 | U | 5.6 | 2.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Toluene | 5.6 | U | 5.6 | 0.94 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| trans-1,2-Dichloroethene | 5.6 | U | 5.6 | 0.71 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| trans-1,3-Dichloropropene | 5.6 | U | 5.6 | 0.97 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2,3-Trichlorobenzene | 5.6 | U | 5.6 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2,4-Trichlorobenzene | 5.6 | U | 5.6 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,1,1-Trichloroethane | 5.6 | U | 5.6 | 0.66 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,1,2-Trichloroethane | 5.6 | U | 5.6 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Trichloroethene | 5.6 | U | 5.6 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Trichlorofluoromethane | 5.6 | U | 5.6 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2,3-Trichloropropane | 5.6 | U | 5.6 | 2.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2,4-Trimethylbenzene | 5.6 | U | 5.6 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,3,5-Trimethylbenzene | 5.6 | U | 5.6 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Vinyl acetate | 11 | U | 11 | 2.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Vinyl chloride | 5.6 | U | 5.6 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Xylenes, Total | 11 | U | 11 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 110 | | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 117 | | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| Dibromofluoromethane (Surr) | 106 | | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 15:49 | 1 |
| 4-Bromofluorobenzene (Surr) | 136 | X | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 15:49 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | 420 | U F2 F1 | 420 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Acenaphthylene | 420 | U F1 | 420 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Acetophenone | 420 | U F2 F1 | 420 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Anthracene | 420 | U F1 | 420 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Atrazine | 420 | U F1 F2 | 420 | 29 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Benzaldehyde | 420 | U F2 | 420 | 74 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Benzo[a]anthracene | 420 | U F1 | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Benzo[a]pyrene | 420 | U F1 | 420 | 66 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Benzo[b]fluoranthene | 420 | U F1 | 420 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Benzo[g,h,i]perylene | 420 | U F1 | 420 | 28 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Benzo[k]fluoranthene | 420 | U F1 | 420 | 82 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 1,1'-Biphenyl | 2200 | U F1 | 2200 | 2200 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Bis(2-chloroethoxy)methane | 420 | U F2 F1 | 420 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Bis(2-chloroethyl)ether | 420 | U F2 F1 | 420 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| bis (2-chloroisopropyl) ether | 420 | U F2 | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Bis(2-ethylhexyl) phthalate | 420 | U F1 | 420 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 4-Bromophenyl phenyl ether | 420 | U F1 | 420 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Butyl benzyl phthalate | 420 | U F1 F2 | 420 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Caprolactam | 420 | U F2 F1 | 420 | 84 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Carbazole | 420 | U F1 | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 4-Chloroaniline | 840 | U F1 | 840 | 66 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 4-Chloro-3-methylphenol | 420 | U F2 F1 | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-5**Lab Sample ID: 680-190916-1**

Date Collected: 11/02/20 15:15
Date Received: 11/03/20 09:30

Matrix: Solid

Percent Solids: 77.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2-Chloronaphthalene | 420 | U F1 | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2-Chlorophenol | 420 | U F2 F1 | 420 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 4-Chlorophenyl phenyl ether | 420 | U F1 | 420 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Chrysene | 420 | U F1 | 420 | 27 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Dibenz(a,h)anthracene | 420 | U F1 | 420 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Dibenzofuran | 420 | U F1 | 420 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 3,3'-Dichlorobenzidine | 840 | U F1 F2 | 840 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,4-Dichlorophenol | 420 | U F2 F1 | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Diethyl phthalate | 420 | U F1 | 420 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,4-Dimethylphenol | 420 | U F1 | 420 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Dimethyl phthalate | 420 | U F1 F2 | 420 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Di-n-butyl phthalate | 420 | U F1 | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 4,6-Dinitro-2-methylphenol | 2200 | U F2 F1 | 2200 | 220 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,4-Dinitrophenol | 2200 | U F1 | 2200 | 1100 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,6-Dinitrotoluene | 420 | U F1 | 420 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,4-Dinitrotoluene | 420 | U F1 | 420 | 62 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Di-n-octyl phthalate | 420 | U F2 F1 | 420 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Fluoranthene | 420 | U F1 | 420 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Fluorene | 420 | U F1 | 420 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Hexachlorobenzene | 420 | U F1 | 420 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Hexachlorobutadiene | 420 | U F2 F1 | 420 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Hexachlorocyclopentadiene | 420 | U F1 | 420 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Hexachloroethane | 420 | U F1 | 420 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Indeno[1,2,3-cd]pyrene | 420 | U F1 | 420 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Isophorone | 420 | U F2 F1 | 420 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2-Methylnaphthalene | 420 | U F2 F1 | 420 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 1-Methylnaphthalene | 420 | U F2 F1 | 420 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2-Methylphenol | 420 | U F1 | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 3 & 4 Methylphenol | 420 | U F2 F1 | 420 | 55 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Naphthalene | 420 | U F2 F1 | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2-Nitroaniline | 2200 | U F2 F1 | 2200 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 3-Nitroaniline | 2200 | U F1 | 2200 | 58 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 4-Nitroaniline | 2200 | U F2 F1 | 2200 | 62 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Nitrobenzene | 420 | U F2 F1 | 420 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2-Nitrophenol | 420 | U F2 F1 | 420 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 4-Nitrophenol | 2200 | U F2 | 2200 | 420 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| N-Nitrosodi-n-propylamine | 420 | U F2 F1 | 420 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| N-Nitrosodiphenylamine | 420 | U F1 | 420 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Pentachlorophenol | 2200 | U F1 F2 | 2200 | 420 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Phenanthrene | 420 | U F1 | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Phenol | 420 | U F2 F1 | 420 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Pyrene | 420 | U F1 | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,4,6-Trichlorophenol | 420 | U F1 | 420 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,4,5-Trichlorophenol | 420 | U F1 | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:02 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 (Surr) | 30 | X | 37 - 115 | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2-Fluorobiphenyl (Surr) | 32 | X | 41 - 116 | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Terphenyl-d14 (Surr) | 33 | X | 46 - 126 | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| Phenol-d5 (Surr) | 28 | X | 38 - 122 | 11/12/20 10:37 | 11/13/20 17:02 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-5

Date Collected: 11/02/20 15:15
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-1

Matrix: Solid
Percent Solids: 77.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorophenol (Surr) | 28 | X | 39 - 114 | 11/12/20 10:37 | 11/13/20 17:02 | 1 |
| 2,4,6-Tribromophenol (Surr) | 22 | X | 45 - 129 | 11/12/20 10:37 | 11/13/20 17:02 | 1 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 16 | U | 16 | 4.1 | mg/Kg | ⌘ | 11/04/20 08:50 | 11/08/20 18:29 | 100 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 89 | | 70 - 131 | 11/04/20 08:50 | 11/08/20 18:29 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 22 | | 4.1 | 2.6 | mg/Kg | ⌘ | 11/07/20 10:30 | 11/09/20 16:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| o-Terphenyl (Surr) | 59 | | 45 - 130 | 11/07/20 10:30 | 11/09/20 16:10 | 1 | | | |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| PCB-1016 | 21 | U | 21 | 7.0 | ug/Kg | ⌘ | 11/10/20 08:56 | 11/10/20 21:19 | 1 |
| PCB-1221 | 21 | U | 21 | 9.6 | ug/Kg | ⌘ | 11/10/20 08:56 | 11/10/20 21:19 | 1 |
| PCB-1232 | 21 | U | 21 | 3.3 | ug/Kg | ⌘ | 11/10/20 08:56 | 11/10/20 21:19 | 1 |
| PCB-1242 | 21 | U | 21 | 3.2 | ug/Kg | ⌘ | 11/10/20 08:56 | 11/10/20 21:19 | 1 |
| PCB-1248 | 77 | | 21 | 5.2 | ug/Kg | ⌘ | 11/10/20 08:56 | 11/10/20 21:19 | 1 |
| PCB-1254 | 21 | U | 21 | 6.4 | ug/Kg | ⌘ | 11/10/20 08:56 | 11/10/20 21:19 | 1 |
| PCB-1260 | 48 | F1 | 21 | 6.1 | ug/Kg | ⌘ | 11/10/20 08:56 | 11/10/20 21:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| Tetrachloro-m-xylene | 76 | | 46 - 130 | 11/10/20 08:56 | 11/10/20 21:19 | 1 | | | |
| DCB Decachlorobiphenyl | 43 | X | 54 - 133 | 11/10/20 08:56 | 11/10/20 21:19 | 1 | | | |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|------------|--------------|-----|-------|------|---|----------------|----------------|---------|
| 2,3,7,8-TCDD | 2.6 | I | 1.3 | 0.15 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| Total TCDD | 82 | I | 1.3 | 0.15 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,7,8-PeCDD | 5.3 | J I B | 6.4 | 0.18 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| Total PeCDD | 62 | I B | 6.4 | 0.18 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,4,7,8-HxCDD | 3.0 | J B | 6.4 | 0.062 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,6,7,8-HxCDD | 4.2 | J B | 6.4 | 0.058 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,7,8,9-HxCDD | 7.9 | | 6.4 | 0.056 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| Total HxCDD | 67 | B | 6.4 | 0.059 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 58 | B | 6.4 | 0.12 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| Total HpCDD | 100 | B | 6.4 | 0.12 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| OCDD | 370 | B | 13 | 0.080 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 2,3,7,8-TCDF | 56 | | 1.3 | 1.3 | pg/g | ⌘ | 11/13/20 08:39 | 11/24/20 14:45 | 1 |
| Total TCDF | 910 | I | 1.3 | 0.64 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,7,8-PeCDF | 24 | I | 6.4 | 0.14 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 2,3,4,7,8-PeCDF | 37 | | 6.4 | 0.12 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| Total PeCDF | 370 | I | 6.4 | 0.13 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,4,7,8-HxCDF | 56 | | 6.4 | 0.16 | pg/g | ⌘ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-5

Date Collected: 11/02/20 15:15
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-1

Matrix: Solid

Percent Solids: 77.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----------|---------------|------|---|----------------|----------------|---------|
| 1,2,3,6,7,8-HxCDF | 21 | I | 6.4 | 0.18 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 2,3,4,6,7,8-HxCDF | 28 | I | 6.4 | 0.19 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,7,8,9-HxCDF | 1.2 | J | 6.4 | 0.22 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| Total HxCDF | 200 | I | 6.4 | 0.19 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 86 | B | 6.4 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 5.4 | J B | 6.4 | 0.12 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| Total HpCDF | 110 | B | 6.4 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| OCDF | 30 | B | 13 | 0.078 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| <i>Isotope Dilution</i> | | %Recovery | Qualifier | <i>Limits</i> | | | Prepared | Analyzed | Dil Fac |
| 13C-2,3,7,8-TCDD | 66 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,7,8-PeCDD | 60 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 62 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 70 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 77 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-OCDD | 69 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-2,3,7,8-TCDF | 64 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-2,3,7,8-TCDF | 81 | | | 40 - 135 | | | 11/13/20 08:39 | 11/24/20 14:45 | 1 |
| 13C-1,2,3,7,8-PeCDF | 58 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-2,3,4,7,8-PeCDF | 59 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 69 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 61 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 63 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 63 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 68 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 71 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |
| 13C-OCDF | 61 | | | 40 - 135 | | | 11/13/20 08:39 | 11/23/20 06:33 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Arsenic | 23 | U | 23 | 9.1 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/11/20 13:17 | 10 |
| Barium | 300 | | 11 | 1.8 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/11/20 13:17 | 10 |
| Cadmium | 4.3 | J | 5.7 | 1.1 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/11/20 13:17 | 10 |
| Chromium | 72 | | 11 | 2.4 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/11/20 13:17 | 10 |
| Silver | 11 | U | 11 | 0.69 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/11/20 13:17 | 10 |
| Lead | 1000 | | 11 | 3.9 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/11/20 13:17 | 10 |
| Selenium | 29 | U | 29 | 11 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/11/20 13:17 | 10 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.26 | | 0.025 | 0.0099 | mg/Kg | ⊗ | 11/10/20 16:32 | 11/11/20 19:34 | 1 |

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

Percent Solids: 79.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Acetone | 50 | U | 50 | 11 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Benzene | 5.0 | U | 5.0 | 0.73 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Bromobenzene | 5.0 | U | 5.0 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

Percent Solids: 79.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Bromochloromethane | 5.0 | U | 5.0 | 3.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Bromodichloromethane | 5.0 | U | 5.0 | 0.98 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Bromoform | 5.0 | U | 5.0 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Bromomethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 2-Butanone (MEK) | 25 | U | 25 | 2.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Carbon disulfide | 5.0 | U | 5.0 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Carbon tetrachloride | 5.0 | U | 5.0 | 0.83 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Chlorobenzene | 5.0 | U | 5.0 | 0.97 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Chloroethane | 5.0 | U | 5.0 | 2.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Chloroform | 5.0 | U | 5.0 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Chloromethane | 5.0 | U | 5.0 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 2-Chlorotoluene | 5.0 | U | 5.0 | 2.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 4-Chlorotoluene | 5.0 | U | 5.0 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| cis-1,2-Dichloroethene | 5.0 | U | 5.0 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| cis-1,3-Dichloropropene | 5.0 | U | 5.0 | 0.83 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Dibromochloromethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2-Dibromo-3-Chloropropane | 10 | U | 10 | 4.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2-Dibromoethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Dibromomethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2-Dichlorobenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,3-Dichlorobenzene | 5.0 | U | 5.0 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,4-Dichlorobenzene | 5.0 | U | 5.0 | 0.74 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Dichlorodifluoromethane | 5.0 | U | 5.0 | 0.95 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,1-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,1-Dichloroethene | 5.0 | U | 5.0 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2-Dichloroethene, Total | 10 | U | 10 | 0.63 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2-Dichloropropane | 5.0 | U | 5.0 | 0.87 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,3-Dichloropropane | 5.0 | U | 5.0 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 2,2-Dichloropropane | 5.0 | U | 5.0 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,1-Dichloropropene | 5.0 | U | 5.0 | 0.96 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Ethylbenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Hexachlorobutadiene | 5.0 | U | 5.0 | 3.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 2-Hexanone | 25 | U | 25 | 3.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Isopropylbenzene | 5.0 | U | 5.0 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Methylene Chloride | 5.0 | U | 5.0 | 0.99 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 4-Methyl-2-pentanone | 25 | U | 25 | 4.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Methyl tert-butyl ether | 5.0 | U | 5.0 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| m-Xylene & p-Xylene | 5.0 | U | 5.0 | 2.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Naphthalene | 5.0 | U | 5.0 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| n-Butylbenzene | 5.0 | U | 5.0 | 2.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| N-Propylbenzene | 5.0 | U | 5.0 | 2.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| o-Xylene | 5.0 | U | 5.0 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| p-Isopropyltoluene | 5.0 | U | 5.0 | 2.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| sec-Butylbenzene | 5.0 | U | 5.0 | 2.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Styrene | 5.0 | U | 5.0 | 0.94 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| tert-Butylbenzene | 5.0 | U | 5.0 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,1,1,2-Tetrachloroethane | 5.0 | U | 5.0 | 2.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,1,2,2-Tetrachloroethane | 5.0 | U | 5.0 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

Percent Solids: 79.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|------|-------|---|-----------------|-----------------|----------------|
| Tetrachloroethene | 5.0 | U | 5.0 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Toluene | 5.0 | U | 5.0 | 0.84 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| trans-1,2-Dichloroethene | 5.0 | U | 5.0 | 0.63 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| trans-1,3-Dichloropropene | 5.0 | U | 5.0 | 0.88 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2,3-Trichlorobenzene | 5.0 | U | 5.0 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2,4-Trichlorobenzene | 5.0 | U | 5.0 | 0.90 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,1,1-Trichloroethane | 5.0 | U | 5.0 | 0.59 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,1,2-Trichloroethane | 5.0 | U | 5.0 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Trichloroethene | 5.0 | U | 5.0 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Trichlorofluoromethane | 5.0 | U | 5.0 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2,3-Trichloropropane | 5.0 | U | 5.0 | 2.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2,4-Trimethylbenzene | 5.0 | U | 5.0 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,3,5-Trimethylbenzene | 5.0 | U | 5.0 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Vinyl acetate | 10 | U | 10 | 2.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Vinyl chloride | 5.0 | U | 5.0 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Xylenes, Total | 10 | U | 10 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 94 | | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 117 | | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 16:12 | 1 |
| 4-Bromofluorobenzene (Surr) | 119 | | 70 - 130 | | | | 11/04/20 09:09 | 11/11/20 16:12 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | 410 | U | 410 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Acenaphthylene | 410 | U | 410 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Acetophenone | 410 | U | 410 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Anthracene | 410 | U | 410 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Atrazine | 410 | U | 410 | 28 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Benzaldehyde | 410 | U | 410 | 72 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Benzo[a]anthracene | 410 | U | 410 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Benzo[a]pyrene | 410 | U | 410 | 64 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Benzo[b]fluoranthene | 410 | U | 410 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Benzo[g,h,i]perylene | 410 | U | 410 | 27 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Benzo[k]fluoranthene | 410 | U | 410 | 80 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 1,1'-Biphenyl | 2100 | U | 2100 | 2100 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Bis(2-chloroethoxy)methane | 410 | U | 410 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Bis(2-chloroethyl)ether | 410 | U | 410 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| bis (2-chloroisopropyl) ether | 410 | U | 410 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Bis(2-ethylhexyl) phthalate | 410 | U | 410 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 4-Bromophenyl phenyl ether | 410 | U | 410 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Butyl benzyl phthalate | 410 | U | 410 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Caprolactam | 410 | U | 410 | 82 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Carbazole | 410 | U | 410 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 4-Chloroaniline | 820 | U | 820 | 64 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 4-Chloro-3-methylphenol | 410 | U | 410 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Chloronaphthalene | 410 | U | 410 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Chlorophenol | 410 | U | 410 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 4-Chlorophenyl phenyl ether | 410 | U | 410 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

Percent Solids: 79.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Chrysene | 410 | U | 410 | 26 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Dibenz(a,h)anthracene | 410 | U | 410 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Dibenzofuran | 410 | U | 410 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 3,3'-Dichlorobenzidine | 820 | U | 820 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,4-Dichlorophenol | 410 | U | 410 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Diethyl phthalate | 410 | U | 410 | 46 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,4-Dimethylphenol | 410 | U | 410 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Dimethyl phthalate | 410 | U | 410 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Di-n-butyl phthalate | 410 | U | 410 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 4,6-Dinitro-2-methylphenol | 2100 | U | 2100 | 210 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,4-Dinitrophenol | 2100 | U | 2100 | 1000 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,6-Dinitrotoluene | 410 | U | 410 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,4-Dinitrotoluene | 410 | U | 410 | 61 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Di-n-octyl phthalate | 410 | U | 410 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Fluoranthene | 410 | U | 410 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Fluorene | 410 | U | 410 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Hexachlorobenzene | 410 | U | 410 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Hexachlorobutadiene | 410 | U | 410 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Hexachlorocyclopentadiene | 410 | U | 410 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Hexachloroethane | 410 | U | 410 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Indeno[1,2,3-cd]pyrene | 410 | U | 410 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Isophorone | 410 | U | 410 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Methylnaphthalene | 410 | U | 410 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 1-Methylnaphthalene | 410 | U | 410 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Methylphenol | 410 | U | 410 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 3 & 4 Methylphenol | 410 | U | 410 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Naphthalene | 410 | U | 410 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Nitroaniline | 2100 | U | 2100 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 3-Nitroaniline | 2100 | U | 2100 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 4-Nitroaniline | 2100 | U | 2100 | 61 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Nitrobenzene | 410 | U | 410 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Nitrophenol | 410 | U | 410 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 4-Nitrophenol | 2100 | U | 2100 | 410 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| N-Nitrosodi-n-propylamine | 410 | U | 410 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| N-Nitrosodiphenylamine | 410 | U | 410 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Pentachlorophenol | 2100 | U | 2100 | 410 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Phenanthrene | 410 | U | 410 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Phenol | 410 | U | 410 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Pyrene | 410 | U | 410 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,4,6-Trichlorophenol | 410 | U | 410 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,4,5-Trichlorophenol | 410 | U | 410 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:26 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 (Surr) | 39 | | 37 - 115 | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Fluorobiphenyl (Surr) | 36 | X | 41 - 116 | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Terphenyl-d14 (Surr) | 42 | X | 46 - 126 | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| Phenol-d5 (Surr) | 34 | X | 38 - 122 | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2-Fluorophenol (Surr) | 33 | X | 39 - 114 | 11/12/20 10:37 | 11/13/20 17:26 | 1 |
| 2,4,6-Tribromophenol (Surr) | 33 | X | 45 - 129 | 11/12/20 10:37 | 11/13/20 17:26 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

Percent Solids: 79.7

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 14 | U | 14 | 3.6 | mg/Kg | ⊗ | 11/04/20 08:50 | 11/08/20 18:51 | 100 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene | 89 | | 70 - 131 | | | | 11/04/20 08:50 | 11/08/20 18:51 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Diesel Range Organics [C10-C28] | 3.6 | J | 4.1 | 2.6 | mg/Kg | ⊗ | 11/07/20 10:30 | 11/09/20 16:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl (Surr) | 49 | | 45 - 130 | | | | 11/07/20 10:30 | 11/09/20 16:26 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | 20 | U | 20 | 6.6 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| PCB-1221 | 20 | U | 20 | 9.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| PCB-1232 | 20 | U | 20 | 3.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| PCB-1242 | 20 | U | 20 | 3.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| PCB-1248 | 20 | U | 20 | 4.9 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| PCB-1254 | 20 | U | 20 | 6.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| PCB-1260 | 20 | U | 20 | 5.8 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | 71 | | 46 - 130 | | | | 11/10/20 08:56 | 11/11/20 00:17 | 1 |
| DCB Decachlorobiphenyl | 72 | | 54 - 133 | | | | 11/10/20 08:56 | 11/11/20 00:17 | 1 |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-------------|--------------|------------|--------------|-------------|----------|-----------------------|-----------------------|----------|
| 2,3,7,8-TCDD | 1.3 | U | 1.3 | 0.10 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total TCDD | 0.23 | J | 1.3 | 0.10 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,7,8-PeCDD | 0.17 | J B | 6.3 | 0.055 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total PeCDD | 0.28 | J I B | 6.3 | 0.055 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.35 | J I B | 6.3 | 0.050 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,6,7,8-HxCDD | 0.20 | J B | 6.3 | 0.049 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,7,8,9-HxCDD | 0.52 | J | 6.3 | 0.047 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total HxCDD | 3.5 | J I B | 6.3 | 0.049 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 21 | B | 6.3 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total HpCDD | 41 | B | 6.3 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| OCDD | 3200 | B | 13 | 0.034 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 2,3,7,8-TCDF | 1.3 | U | 1.3 | 0.12 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total TCDF | 1.3 | U | 1.3 | 0.12 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,7,8-PeCDF | 6.3 | U | 6.3 | 0.072 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 2,3,4,7,8-PeCDF | 6.3 | U | 6.3 | 0.067 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total PeCDF | 6.3 | U | 6.3 | 0.072 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,4,7,8-HxCDF | 6.3 | U | 6.3 | 0.065 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,6,7,8-HxCDF | 6.3 | U | 6.3 | 0.069 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 2,3,4,6,7,8-HxCDF | 6.3 | U | 6.3 | 0.071 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,7,8,9-HxCDF | 6.3 | U | 6.3 | 0.081 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total HxCDF | 0.25 | J I | 6.3 | 0.071 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 0.32 | J I B | 6.3 | 0.064 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

Percent Solids: 79.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-------------|--------------|----------|-------|------|---|----------------|----------------|---------|
| 1,2,3,4,7,8,9-HpCDF | 6.3 | U | 6.3 | 0.079 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Total HpCDF | 0.50 | J I B | | 0.071 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| OCDF | 0.52 | J I B | 13 | 0.037 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C-2,3,7,8-TCDD | 62 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,7,8-PeCDD | 57 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 60 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 64 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 68 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-OCDD | 73 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-2,3,7,8-TCDF | 64 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,7,8-PeCDF | 58 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-2,3,4,7,8-PeCDF | 54 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 63 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 57 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 61 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 63 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 63 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 65 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |
| 13C-OCDF | 61 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 13:30 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 2.5 | | 2.4 | 0.97 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:31 | 1 |
| Barium | 90 | | 1.2 | 0.19 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:31 | 1 |
| Cadmium | 0.61 | U | 0.61 | 0.12 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:31 | 1 |
| Chromium | 11 | | 1.2 | 0.26 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:31 | 1 |
| Silver | 1.2 | U | 1.2 | 0.073 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:31 | 1 |
| Lead | 17 | | 1.2 | 0.41 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:31 | 1 |
| Selenium | 3.0 | U | 3.0 | 1.2 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:31 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.036 | | 0.021 | 0.0085 | mg/Kg | ⊗ | 11/10/20 16:32 | 11/11/20 19:30 | 1 |

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid

Percent Solids: 77.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Acetone | 65 | U | 65 | 14 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Benzene | 6.5 | U | 6.5 | 0.95 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Bromobenzene | 6.5 | U | 6.5 | 2.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Bromochloromethane | 6.5 | U | 6.5 | 4.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Bromodichloromethane | 6.5 | U | 6.5 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Bromoform | 6.5 | U | 6.5 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Bromomethane | 6.5 | U | 6.5 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 2-Butanone (MEK) | 32 | U | 32 | 3.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Carbon disulfide | 6.5 | U | 6.5 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid

Percent Solids: 77.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Carbon tetrachloride | 6.5 | U | 6.5 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Chlorobenzene | 6.5 | U | 6.5 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Chloroethane | 6.5 | U | 6.5 | 3.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Chloroform | 6.5 | U | 6.5 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Chloromethane | 6.5 | U | 6.5 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 2-Chlorotoluene | 6.5 | U | 6.5 | 2.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 4-Chlorotoluene | 6.5 | U | 6.5 | 2.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| cis-1,2-Dichloroethene | 6.5 | U | 6.5 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| cis-1,3-Dichloropropene | 6.5 | U | 6.5 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Dibromochloromethane | 6.5 | U | 6.5 | 2.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2-Dibromo-3-Chloropropane | 13 | U | 13 | 5.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2-Dibromoethane | 6.5 | U | 6.5 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Dibromomethane | 6.5 | U | 6.5 | 2.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2-Dichlorobenzene | 6.5 | U | 6.5 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,3-Dichlorobenzene | 6.5 | U | 6.5 | 2.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,4-Dichlorobenzene | 6.5 | U | 6.5 | 0.96 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Dichlorodifluoromethane | 6.5 | U | 6.5 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,1-Dichloroethane | 6.5 | U | 6.5 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2-Dichloroethane | 6.5 | U | 6.5 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,1-Dichloroethene | 6.5 | U | 6.5 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2-Dichloroethene, Total | 13 | U | 13 | 0.82 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2-Dichloropropane | 6.5 | U | 6.5 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,3-Dichloropropane | 6.5 | U | 6.5 | 2.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 2,2-Dichloropropane | 6.5 | U | 6.5 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,1-Dichloropropene | 6.5 | U | 6.5 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Ethylbenzene | 6.5 | U | 6.5 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Hexachlorobutadiene | 6.5 | U | 6.5 | 4.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 2-Hexanone | 32 | U | 32 | 4.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Isopropylbenzene | 6.5 | U | 6.5 | 2.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Methylene Chloride | 6.5 | U | 6.5 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 4-Methyl-2-pentanone | 32 | U | 32 | 5.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Methyl tert-butyl ether | 6.5 | U | 6.5 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| m-Xylene & p-Xylene | 6.5 | U | 6.5 | 3.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Naphthalene | 6.5 | U | 6.5 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| n-Butylbenzene | 6.5 | U | 6.5 | 3.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| N-Propylbenzene | 6.5 | U | 6.5 | 3.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| o-Xylene | 6.5 | U | 6.5 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| p-Isopropyltoluene | 6.0 | J | 6.5 | 2.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| sec-Butylbenzene | 6.5 | U | 6.5 | 2.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Styrene | 6.5 | U | 6.5 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| tert-Butylbenzene | 6.5 | U | 6.5 | 2.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,1,1,2-Tetrachloroethane | 6.5 | U | 6.5 | 3.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,1,2,2-Tetrachloroethane | 6.5 | U | 6.5 | 2.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Tetrachloroethene | 6.5 | U | 6.5 | 2.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Toluene | 6.5 | U | 6.5 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| trans-1,2-Dichloroethene | 6.5 | U | 6.5 | 0.82 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| trans-1,3-Dichloropropene | 6.5 | U | 6.5 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2,3-Trichlorobenzene | 6.5 | U | 6.5 | 2.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2,4-Trichlorobenzene | 6.5 | U | 6.5 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid

Percent Solids: 77.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane | 6.5 | U | 6.5 | 0.77 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,1,2-Trichloroethane | 6.5 | U | 6.5 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Trichloroethene | 6.5 | U | 6.5 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Trichlorofluoromethane | 6.5 | U | 6.5 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2,3-Trichloropropane | 6.5 | U | 6.5 | 3.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2,4-Trimethylbenzene | 6.5 | U | 6.5 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,3,5-Trimethylbenzene | 6.5 | U | 6.5 | 2.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Vinyl acetate | 13 | U * | 13 | 3.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Vinyl chloride | 6.5 | U | 6.5 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Xylenes, Total | 13 | U | 13 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 118 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 17:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 113 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 17:51 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | 420 | U | 420 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Acenaphthylene | 420 | U | 420 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Acetophenone | 420 | U | 420 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Anthracene | 420 | U | 420 | 32 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Atrazine | 420 | U | 420 | 29 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Benzaldehyde | 420 | U | 420 | 73 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Benzo[a]anthracene | 420 | U | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Benzo[a]pyrene | 420 | U | 420 | 66 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Benzo[b]fluoranthene | 420 | U | 420 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Benzo[g,h,i]perylene | 420 | U | 420 | 28 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Benzo[k]fluoranthene | 420 | U | 420 | 82 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 1,1'-Biphenyl | 2100 | U | 2100 | 2100 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Bis(2-chloroethoxy)methane | 420 | U | 420 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Bis(2-chloroethyl)ether | 420 | U | 420 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| bis (2-chloroisopropyl) ether | 420 | U | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Bis(2-ethylhexyl) phthalate | 420 | U | 420 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 4-Bromophenyl phenyl ether | 420 | U | 420 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Butyl benzyl phthalate | 420 | U | 420 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Caprolactam | 420 | U | 420 | 83 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Carbazole | 420 | U | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 4-Chloroaniline | 830 | U | 830 | 66 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 4-Chloro-3-methylphenol | 420 | U | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Chloronaphthalene | 420 | U | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Chlorophenol | 420 | U | 420 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 4-Chlorophenyl phenyl ether | 420 | U | 420 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Chrysene | 420 | U | 420 | 27 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Dibenz(a,h)anthracene | 420 | U | 420 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Dibenzofuran | 420 | U | 420 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 3,3'-Dichlorobenzidine | 830 | U | 830 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2,4-Dichlorophenol | 420 | U | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Diethyl phthalate | 420 | U | 420 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30
 Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid
 Percent Solids: 77.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|------|---------------|-------|---|-----------------|-----------------|----------------|
| 2,4-Dimethylphenol | 420 | U | 420 | 56 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Dimethyl phthalate | 420 | U | 420 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Di-n-butyl phthalate | 420 | U | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 4,6-Dinitro-2-methylphenol | 2100 | U | 2100 | 210 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2,4-Dinitrophenol | 2100 | U | 2100 | 1000 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2,6-Dinitrotoluene | 420 | U | 420 | 53 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2,4-Dinitrotoluene | 420 | U | 420 | 62 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Di-n-octyl phthalate | 420 | U | 420 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Fluoranthene | 420 | U | 420 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Fluorene | 420 | U | 420 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Hexachlorobenzene | 420 | U | 420 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Hexachlorobutadiene | 420 | U | 420 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Hexachlorocyclopentadiene | 420 | U | 420 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Hexachloroethane | 420 | U | 420 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Indeno[1,2,3-cd]pyrene | 420 | U | 420 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Isophorone | 420 | U | 420 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Methylnaphthalene | 420 | U | 420 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 1-Methylnaphthalene | 420 | U | 420 | 39 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Methylphenol | 420 | U | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 3 & 4 Methylphenol | 420 | U | 420 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Naphthalene | 420 | U | 420 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Nitroaniline | 2100 | U | 2100 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 3-Nitroaniline | 2100 | U | 2100 | 58 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 4-Nitroaniline | 2100 | U | 2100 | 62 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Nitrobenzene | 420 | U | 420 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Nitrophenol | 420 | U | 420 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 4-Nitrophenol | 2100 | U | 2100 | 420 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| N-Nitrosodi-n-propylamine | 420 | U | 420 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| N-Nitrosodiphenylamine | 420 | U | 420 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Pentachlorophenol | 2100 | U | 2100 | 420 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Phenanthrene | 420 | U | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Phenol | 420 | U | 420 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Pyrene | 420 | U | 420 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2,4,6-Trichlorophenol | 420 | U | 420 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2,4,5-Trichlorophenol | 420 | U | 420 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| Nitrobenzene-d5 (Surr) | 40 | | | 37 - 115 | | | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Fluorobiphenyl (Surr) | 41 | | | 41 - 116 | | | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Terphenyl-d14 (Surr) | 47 | | | 46 - 126 | | | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| Phenol-d5 (Surr) | 40 | | | 38 - 122 | | | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2-Fluorophenol (Surr) | 42 | | | 39 - 114 | | | 11/12/20 10:37 | 11/13/20 17:50 | 1 |
| 2,4,6-Tribromophenol (Surr) | 40 | X | | 45 - 129 | | | 11/12/20 10:37 | 11/13/20 17:50 | 1 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 16 | U | 16 | 3.9 | mg/Kg | ⊗ | 11/04/20 08:50 | 11/08/20 19:14 | 100 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid
Percent Solids: 77.5

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 87 | | 70 - 131 | 11/04/20 08:50 | 11/08/20 19:14 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 11 | | 4.1 | 2.6 | mg/Kg | ⊗ | 11/07/20 10:30 | 11/09/20 16:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 56 | | 45 - 130 | 11/07/20 10:30 | 11/09/20 16:41 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-----------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 21 | U | 21 | 6.9 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:33 | 1 |
| PCB-1221 | 21 | U | 21 | 9.3 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:33 | 1 |
| PCB-1232 | 21 | U | 21 | 3.2 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:33 | 1 |
| PCB-1242 | 21 | U | 21 | 3.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:33 | 1 |
| PCB-1248 | 21 | U | 21 | 5.1 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:33 | 1 |
| PCB-1254 | 27 | | 21 | 6.2 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:33 | 1 |
| PCB-1260 | 21 | U | 21 | 6.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:33 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 67 | | 46 - 130 | 11/10/20 08:56 | 11/11/20 00:33 | 1 |
| DCB Decachlorobiphenyl | 55 | | 54 - 133 | 11/10/20 08:56 | 11/11/20 00:33 | 1 |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| 2,3,7,8-TCDD | 0.41 | J | 1.2 | 0.071 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| Total TCDD | 20 | I | 1.2 | 0.071 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,7,8-PeCDD | 1.9 | J I B | 6.2 | 0.28 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| Total PeCDD | 28 | I B | 6.2 | 0.28 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,4,7,8-HxCDD | 2.6 | J B | 6.2 | 0.033 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,6,7,8-HxCDD | 3.1 | J B | 6.2 | 0.032 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,7,8,9-HxCDD | 5.7 | J | 6.2 | 0.031 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| Total HxCDD | 47 | B | 6.2 | 0.032 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 64 | B | 6.2 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| Total HpCDD | 120 | B | 6.2 | 0.11 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| OCDD | 1400 | B | 12 | 0.036 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 2,3,7,8-TCDF | 4.0 | | 1.2 | 0.34 | pg/g | ⊗ | 11/13/20 08:39 | 11/24/20 13:37 | 1 |
| Total TCDF | 160 | I | 1.2 | 0.16 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,7,8-PeCDF | 2.6 | J | 6.2 | 0.14 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 2,3,4,7,8-PeCDF | 5.4 | J | 6.2 | 0.12 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| Total PeCDF | 110 | I | 6.2 | 0.13 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,4,7,8-HxCDF | 9.1 | | 6.2 | 0.30 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,6,7,8-HxCDF | 4.9 | J I | 6.2 | 0.32 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 2,3,4,6,7,8-HxCDF | 4.1 | J | 6.2 | 0.33 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,7,8,9-HxCDF | 6.2 | U | 6.2 | 0.39 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| Total HxCDF | 51 | I | 6.2 | 0.33 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 15 | B | 6.2 | 0.074 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 1.6 | J B | 6.2 | 0.091 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| Total HpCDF | 25 | B | 6.2 | 0.082 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| OCDF | 12 | B | 12 | 0.17 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 14:32 | 1 |

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30
 Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid

Percent Solids: 77.5

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 13C-2,3,7,8-TCDD | 61 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,7,8-PeCDD | 55 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 59 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 67 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 70 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-OCDD | 71 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-2,3,7,8-TCDF | 60 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-2,3,7,8-TCDF | 66 | | 40 - 135 | 11/13/20 08:39 | 11/24/20 13:37 | 1 |
| 13C-1,2,3,7,8-PeCDF | 55 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-2,3,4,7,8-PeCDF | 54 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 64 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 56 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 59 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 59 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 62 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 66 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |
| 13C-OCDF | 59 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 14:32 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 5.6 | | 2.5 | 0.99 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:46 | 1 |
| Barium | 65 | | 1.2 | 0.20 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:46 | 1 |
| Cadmium | 0.25 J | | 0.62 | 0.12 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:46 | 1 |
| Chromium | 27 | | 1.2 | 0.26 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:46 | 1 |
| Silver | 0.16 J | | 1.2 | 0.074 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:46 | 1 |
| Lead | 420 | | 1.2 | 0.42 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:46 | 1 |
| Selenium | 3.1 U | | 3.1 | 1.2 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:46 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.093 F1 | | 0.025 | 0.010 | mg/Kg | ⊗ | 11/10/20 16:32 | 11/11/20 18:23 | 1 |

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30
 Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Acetone | 10 J | | 47 | 10 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Benzene | 4.7 U | | 4.7 | 0.69 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Bromobenzene | 4.7 U | | 4.7 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Bromochloromethane | 4.7 U | | 4.7 | 3.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Bromodichloromethane | 4.7 U | | 4.7 | 0.91 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Bromoform | 4.7 U | | 4.7 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Bromomethane | 4.7 U | | 4.7 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 2-Butanone (MEK) | 24 U | | 24 | 2.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Carbon disulfide | 4.7 U | | 4.7 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Carbon tetrachloride | 4.7 U | | 4.7 | 0.78 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Chlorobenzene | 4.7 U | | 4.7 | 0.90 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Chloroethane | 4.7 U | | 4.7 | 2.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Chloroform | 4.7 U | | 4.7 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Chloromethane | 4.7 | U | 4.7 | 0.94 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 2-Chlorotoluene | 4.7 | U | 4.7 | 1.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 4-Chlorotoluene | 4.7 | U | 4.7 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| cis-1,2-Dichloroethene | 4.7 | U | 4.7 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| cis-1,3-Dichloropropene | 4.7 | U | 4.7 | 0.78 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Dibromochloromethane | 4.7 | U | 4.7 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2-Dibromo-3-Chloropropane | 9.4 | U | 9.4 | 4.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2-Dibromoethane | 4.7 | U | 4.7 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Dibromomethane | 4.7 | U | 4.7 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2-Dichlorobenzene | 4.7 | U | 4.7 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,3-Dichlorobenzene | 4.7 | U | 4.7 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,4-Dichlorobenzene | 4.7 | U | 4.7 | 0.70 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Dichlorodifluoromethane | 4.7 | U | 4.7 | 0.89 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,1-Dichloroethane | 4.7 | U | 4.7 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2-Dichloroethane | 4.7 | U | 4.7 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,1-Dichloroethene | 4.7 | U | 4.7 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2-Dichloroethene, Total | 9.4 | U | 9.4 | 0.59 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2-Dichloropropane | 4.7 | U | 4.7 | 0.81 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,3-Dichloropropene | 4.7 | U | 4.7 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 2,2-Dichloropropene | 4.7 | U | 4.7 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,1-Dichloropropene | 4.7 | U | 4.7 | 0.89 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Ethylbenzene | 4.7 | U | 4.7 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Hexachlorobutadiene | 4.7 | U | 4.7 | 2.9 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 2-Hexanone | 24 | U | 24 | 3.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Isopropylbenzene | 4.7 | U | 4.7 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Methylene Chloride | 4.7 | U | 4.7 | 0.92 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 4-Methyl-2-pentanone | 24 | U | 24 | 4.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Methyl tert-butyl ether | 4.7 | U | 4.7 | 0.94 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| m-Xylene & p-Xylene | 4.7 | U | 4.7 | 2.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Naphthalene | 4.7 | U | 4.7 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| n-Butylbenzene | 4.7 | U | 4.7 | 2.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| N-Propylbenzene | 4.7 | U | 4.7 | 2.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| o-Xylene | 4.7 | U | 4.7 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| p-Isopropyltoluene | 4.7 | U | 4.7 | 2.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| sec-Butylbenzene | 4.7 | U | 4.7 | 2.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Styrene | 4.7 | U | 4.7 | 0.88 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| tert-Butylbenzene | 4.7 | U | 4.7 | 1.7 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,1,1,2-Tetrachloroethane | 4.7 | U | 4.7 | 2.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,1,2,2-Tetrachloroethane | 4.7 | U | 4.7 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Tetrachloroethene | 4.7 | U | 4.7 | 1.8 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Toluene | 4.7 | U | 4.7 | 0.79 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| trans-1,2-Dichloroethene | 4.7 | U | 4.7 | 0.59 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| trans-1,3-Dichloropropene | 4.7 | U | 4.7 | 0.82 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2,3-Trichlorobenzene | 4.7 | U | 4.7 | 1.5 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2,4-Trichlorobenzene | 4.7 | U | 4.7 | 0.84 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,1,1-Trichloroethane | 4.7 | U | 4.7 | 0.56 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,1,2-Trichloroethane | 4.7 | U | 4.7 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Trichloroethene | 4.7 | U | 4.7 | 1.2 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Trichlorofluoromethane | 4.7 | U | 4.7 | 1.1 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| 1,2,3-Trichloropropane | 4.7 | U | 4.7 | 2.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2,4-Trimethylbenzene | 4.7 | U | 4.7 | 1.3 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,3,5-Trimethylbenzene | 4.7 | U | 4.7 | 1.6 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Vinyl acetate | 9.4 | U * | 9.4 | 2.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Vinyl chloride | 4.7 | U | 4.7 | 1.4 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Xylenes, Total | 9.4 | U | 9.4 | 1.0 | ug/Kg | ⊗ | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 95 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 117 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| Dibromofluoromethane (Surr) | 109 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 18:14 | 1 |
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 | | | | 11/04/20 09:09 | 11/05/20 18:14 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | 380 | U | 380 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Acenaphthylene | 380 | U | 380 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Acetophenone | 380 | U | 380 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Anthracene | 380 | U | 380 | 29 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Atrazine | 380 | U | 380 | 27 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Benzaldehyde | 380 | U | 380 | 68 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Benzo[a]anthracene | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Benzo[a]pyrene | 380 | U | 380 | 61 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Benzo[b]fluoranthene | 380 | U | 380 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Benzo[g,h,i]perylene | 380 | U | 380 | 26 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Benzo[k]fluoranthene | 380 | U | 380 | 76 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 1,1'-Biphenyl | 2000 | U | 2000 | 2000 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Bis(2-chloroethoxy)methane | 380 | U | 380 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Bis(2-chloroethyl)ether | 380 | U | 380 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| bis (2-chloroisopropyl) ether | 380 | U | 380 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Bis(2-ethylhexyl) phthalate | 380 | U | 380 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 4-Bromophenyl phenyl ether | 380 | U | 380 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Butyl benzyl phthalate | 380 | U | 380 | 30 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Caprolactam | 380 | U | 380 | 77 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Carbazole | 380 | U | 380 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 4-Chloroaniline | 770 | U | 770 | 61 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 4-Chloro-3-methylphenol | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Chloronaphthalene | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Chlorophenol | 380 | U | 380 | 47 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 4-Chlorophenyl phenyl ether | 380 | U | 380 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Chrysene | 380 | U | 380 | 24 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Dibenz(a,h)anthracene | 380 | U | 380 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Dibenzofuran | 380 | U | 380 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 3,3'-Dichlorobenzidine | 770 | U | 770 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2,4-Dichlorophenol | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Diethyl phthalate | 380 | U | 380 | 43 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2,4-Dimethylphenol | 380 | U | 380 | 51 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Dimethyl phthalate | 380 | U | 380 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Di-n-butyl phthalate | 380 | U | 380 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 4,6-Dinitro-2-methylphenol | 2000 | U | 2000 | 200 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30
 Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| 2,4-Dinitrophenol | 2000 | U | 2000 | 970 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2,6-Dinitrotoluene | 380 | U | 380 | 49 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2,4-Dinitrotoluene | 380 | U | 380 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Di-n-octyl phthalate | 380 | U | 380 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Fluoranthene | 380 | U | 380 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Fluorene | 380 | U | 380 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Hexachlorobenzene | 380 | U | 380 | 45 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Hexachlorobutadiene | 380 | U | 380 | 42 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Hexachlorocyclopentadiene | 380 | U | 380 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Hexachloroethane | 380 | U | 380 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Indeno[1,2,3-cd]pyrene | 380 | U | 380 | 33 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Isophorone | 380 | U | 380 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Methylnaphthalene | 380 | U | 380 | 44 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 1-Methylnaphthalene | 380 | U | 380 | 36 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Methylphenol | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 3 & 4 Methylphenol | 380 | U | 380 | 50 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Naphthalene | 380 | U | 380 | 35 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Nitroaniline | 2000 | U | 2000 | 52 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 3-Nitroaniline | 2000 | U | 2000 | 54 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 4-Nitroaniline | 2000 | U | 2000 | 57 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Nitrobenzene | 380 | U | 380 | 30 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Nitrophenol | 380 | U | 380 | 48 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 4-Nitrophenol | 2000 | U | 2000 | 380 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| N-Nitrosodi-n-propylamine | 380 | U | 380 | 37 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| N-Nitrosodiphenylamine | 380 | U | 380 | 38 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Pentachlorophenol | 2000 | U | 2000 | 380 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Phenanthrene | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Phenol | 380 | U | 380 | 40 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Pyrene | 380 | U | 380 | 31 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2,4,6-Trichlorophenol | 380 | U | 380 | 34 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2,4,5-Trichlorophenol | 380 | U | 380 | 41 | ug/Kg | ⊗ | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Nitrobenzene-d5 (Surr) | 38 | | 37 - 115 | | | | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Fluorobiphenyl (Surr) | 36 | X | 41 - 116 | | | | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Terphenyl-d14 (Surr) | 41 | X | 46 - 126 | | | | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| Phenol-d5 (Surr) | 34 | X | 38 - 122 | | | | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2-Fluorophenol (Surr) | 36 | X | 39 - 114 | | | | 11/12/20 10:37 | 11/13/20 18:13 | 1 |
| 2,4,6-Tribromophenol (Surr) | 34 | X | 45 - 129 | | | | 11/12/20 10:37 | 11/13/20 18:13 | 1 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 12 | U | 12 | 2.9 | mg/Kg | ⊗ | 11/04/20 08:50 | 11/08/20 19:37 | 100 |

| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|--|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 87 | | 70 - 131 | | 11/04/20 08:50 | 11/08/20 19:37 | 100 |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 4.3 | | 3.9 | 2.5 | mg/Kg | ⊗ | 11/07/20 10:30 | 11/09/20 16:57 | 1 |

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Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

Percent Solids: 83.4

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o-Terphenyl (Surr)</i> | 54 | | 45 - 130 | 11/07/20 10:30 | 11/09/20 16:57 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | 19 | U | 19 | 6.4 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| PCB-1221 | 19 | U | 19 | 8.7 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| PCB-1232 | 19 | U | 19 | 3.0 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| PCB-1242 | 19 | U | 19 | 2.9 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| PCB-1248 | 19 | U | 19 | 4.8 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| PCB-1254 | 19 | U | 19 | 5.8 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| PCB-1260 | 19 | U | 19 | 5.6 | ug/Kg | ⊗ | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| <i>Surrogate</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| <i>Tetrachloro-m-xylene</i> | 66 | | 46 - 130 | | | | 11/10/20 08:56 | 11/11/20 00:49 | 1 |
| <i>DCB Decachlorobiphenyl</i> | 63 | | 54 - 133 | | | | 11/10/20 08:56 | 11/11/20 00:49 | 1 |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|-------------|--------------|----------|-------|------|---|----------------|----------------|---------|
| 2,3,7,8-TCDD | 1.2 | U | 1.2 | 0.068 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total TCDD | 1.2 | U | 1.2 | 0.068 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,7,8-PeCDD | 0.14 | J I B | 5.8 | 0.060 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total PeCDD | 0.14 | J I B | 5.8 | 0.060 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.21 | J I B | 5.8 | 0.15 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,6,7,8-HxCDD | 0.56 | J I B | 5.8 | 0.14 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,7,8,9-HxCDD | 0.74 | J I | 5.8 | 0.14 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total HxCDD | 5.1 | J I B | 5.8 | 0.15 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 25 | B | 5.8 | 0.14 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total HpCDD | 48 | B | 5.8 | 0.14 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| OCDD | 4000 | B | 12 | 0.039 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 2,3,7,8-TCDF | 1.2 | U | 1.2 | 0.088 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total TCDF | 1.2 | I | 1.2 | 0.088 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,7,8-PeCDF | 5.8 | U | 5.8 | 0.18 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 2,3,4,7,8-PeCDF | 5.8 | U | 5.8 | 0.16 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total PeCDF | 1.1 | J I | 5.8 | 0.17 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,4,7,8-HxCDF | 0.17 | J I | 5.8 | 0.062 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,6,7,8-HxCDF | 0.20 | J I | 5.8 | 0.065 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 2,3,4,6,7,8-HxCDF | 0.17 | J I | 5.8 | 0.069 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,7,8,9-HxCDF | 5.8 | U | 5.8 | 0.079 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total HxCDF | 4.2 | J I | 5.8 | 0.069 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 2.5 | J B | 5.8 | 0.052 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 0.11 | J I B | 5.8 | 0.064 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Total HpCDF | 5.6 | J I B | 5.8 | 0.058 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| OCDF | 2.5 | J B | 12 | 0.041 | pg/g | ⊗ | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C-2,3,7,8-TCDD | 64 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,7,8-PeCDD | 57 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 62 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 65 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 78 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-OCDD | 82 | | 40 - 135 | | | | 11/13/20 08:39 | 11/23/20 15:33 | 1 |

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30
Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid
Percent Solids: 83.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 13C-2,3,7,8-TCDF | 60 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,7,8-PeCDF | 56 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-2,3,4,7,8-PeCDF | 54 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 63 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 58 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 59 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 62 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 68 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 69 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |
| 13C-OCDF | 67 | | 40 - 135 | 11/13/20 08:39 | 11/23/20 15:33 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 1.3 | J | 2.3 | 0.91 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:51 | 1 |
| Barium | 25 | | 1.1 | 0.18 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:51 | 1 |
| Cadmium | 0.57 | U | 0.57 | 0.11 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:51 | 1 |
| Chromium | 7.2 | | 1.1 | 0.24 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:51 | 1 |
| Silver | 1.1 | U | 1.1 | 0.069 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:51 | 1 |
| Lead | 31 | | 1.1 | 0.39 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:51 | 1 |
| Selenium | 2.9 | U | 2.9 | 1.1 | mg/Kg | ⊗ | 11/06/20 09:30 | 11/09/20 18:51 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.039 | | 0.022 | 0.0089 | mg/Kg | ⊗ | 11/10/20 16:32 | 11/11/20 18:37 | 1 |

Isotope Dilution Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)**Matrix: Solid****Prep Type: Total/NA**

| Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | | | |
|--|-------------------------|--------------------------|---------------------------|---------------------------|--------------------------|---------------------------|--------------------------|--------------------------|---------------------------|
| Lab Sample ID | Client Sample ID | TCDD (40-135) | PeCDD (40-135) | HxCDD (40-135) | HxDL (40-135) | HpCDD (40-135) | OCDD (40-135) | TCDF (40-135) | PeCDF (40-135) |
| 680-190916-1 | SB-5 | 66 | 60 | 62 | 70 | 77 | 69 | 64 | 58 |
| 680-190916-1 | SB-5 | | | | | | | | 81 |
| 680-190916-2 | SB-6 | 62 | 57 | 60 | 64 | 68 | 73 | 64 | 58 |
| 680-190916-3 | SB-7 | 61 | 55 | 59 | 67 | 70 | 71 | 60 | 55 |
| 680-190916-3 | SB-7 | | | | | | | | 66 |
| 680-190916-4 | SB-8 | 64 | 57 | 62 | 65 | 78 | 82 | 60 | 56 |
| LCS 140-44452/20-A | Lab Control Sample | 61 | 54 | 61 | 69 | 74 | 72 | 57 | 54 |
| MB 140-44452/21-A | Method Blank | 59 | 51 | 61 | 70 | 72 | 67 | 57 | 51 |

| Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | | | |
|--|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------------|--------------------------|---------------------------|----------------------------|--------------------------|
| Lab Sample ID | Client Sample ID | PeCF (40-135) | HxCDF (40-135) | HxDF (40-135) | 13CHxCF (40-135) | HxCF (40-135) | HpCDF (40-135) | HpCDF2 (40-135) | OCDF (40-135) |
| 680-190916-1 | SB-5 | 59 | 69 | 61 | 63 | 63 | 68 | 71 | 61 |
| 680-190916-1 | SB-5 | | | | | | | | |
| 680-190916-2 | SB-6 | 54 | 63 | 57 | 61 | 63 | 63 | 65 | 61 |
| 680-190916-3 | SB-7 | 54 | 64 | 56 | 59 | 59 | 62 | 66 | 59 |
| 680-190916-3 | SB-7 | | | | | | | | |
| 680-190916-4 | SB-8 | 54 | 63 | 58 | 59 | 62 | 68 | 69 | 67 |
| LCS 140-44452/20-A | Lab Control Sample | 52 | 66 | 62 | 63 | 65 | 70 | 69 | 62 |
| MB 140-44452/21-A | Method Blank | 51 | 68 | 62 | 65 | 64 | 71 | 71 | 61 |

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD

PeCDD = 13C-1,2,3,7,8-PeCDD

HxCDD = 13C-1,2,3,4,7,8-HxCDD

HxDL = 13C-1,2,3,6,7,8-HxDL

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD

OCDD = 13C-OCDD

TCDF = 13C-2,3,7,8-TCDF

PeCDF = 13C-1,2,3,7,8-PeCDF

PeCF = 13C-2,3,4,7,8-PeCF

HxCDF = 13C-1,2,3,4,7,8-HxCDF

HxDF = 13C-1,2,3,6,7,8-HxDF

13CHxCF = 13C-2,3,4,6,7,8-HxCHxCF

HxCF = 13C-1,2,3,7,8,9-HxCF

HpCDF = 13C-1,2,3,4,6,7,8-HpCDF

HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF2

OCDF = 13C-OCDF

QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-642425/11

Client Sample ID: Method Blank
Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 642425

| Analyte | MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Acetone | 50 | U | 50 | 11 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Benzene | 5.0 | U | 5.0 | 0.73 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromobenzene | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromoform | 5.0 | U | 5.0 | 3.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromochloromethane | 5.0 | U | 5.0 | 0.97 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromodichloromethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Bromomethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2-Butanone (MEK) | 25 | U | 25 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Carbon disulfide | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Carbon tetrachloride | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chlorobenzene | 5.0 | U | 5.0 | 0.96 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chloroethane | 5.0 | U | 5.0 | 2.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chloroform | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Chloromethane | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2-Chlorotoluene | 5.0 | U | 5.0 | 2.0 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 4-Chlorotoluene | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| cis-1,2-Dichloroethene | 5.0 | U | 5.0 | 1.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| cis-1,3-Dichloropropene | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Dibromochloromethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dibromo-3-Chloropropane | 10 | U | 10 | 4.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dibromoethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Dibromomethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichlorobenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,3-Dichlorobenzene | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,4-Dichlorobenzene | 5.0 | U | 5.0 | 0.74 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Dichlorodifluoromethane | 5.0 | U | 5.0 | 0.94 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1-Dichloroethene | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichloroethene, Total | 10 | U | 10 | 0.63 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2-Dichloropropane | 5.0 | U | 5.0 | 0.86 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,3-Dichloropropane | 5.0 | U | 5.0 | 1.8 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2,2-Dichloropropane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1-Dichloropropene | 5.0 | U | 5.0 | 0.95 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Ethylbenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Hexachlorobutadiene | 5.0 | U | 5.0 | 3.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 2-Hexanone | 25 | U | 25 | 3.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Isopropylbenzene | 5.0 | U | 5.0 | 1.9 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Methylene Chloride | 5.0 | U | 5.0 | 0.98 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 4-Methyl-2-pentanone | 25 | U | 25 | 4.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Methyl tert-butyl ether | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/05/20 15:48 | 1 |
| m-Xylene & p-Xylene | 5.0 | U | 5.0 | 2.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Naphthalene | 5.0 | U | 5.0 | 1.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| n-Butylbenzene | 5.0 | U | 5.0 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| N-Propylbenzene | 5.0 | U | 5.0 | 2.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| o-Xylene | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |
| p-Isopropyltoluene | 5.0 | U | 5.0 | 2.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| sec-Butylbenzene | 5.0 | U | 5.0 | 2.1 | ug/Kg | | | 11/05/20 15:48 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: MB 680-642425/11****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 642425**

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | | | |
| Styrene | 5.0 | U | 5.0 | | 5.0 | 0.93 | ug/Kg | | | 11/05/20 15:48 | 1 |
| tert-Butylbenzene | 5.0 | U | | | 5.0 | 1.8 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1,1,2-Tetrachloroethane | 5.0 | U | | | 5.0 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1,2,2-Tetrachloroethane | 5.0 | U | | | 5.0 | 1.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Tetrachloroethene | 5.0 | U | | | 5.0 | 1.9 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Toluene | 5.0 | U | | | 5.0 | 0.84 | ug/Kg | | | 11/05/20 15:48 | 1 |
| trans-1,2-Dichloroethene | 5.0 | U | | | 5.0 | 0.63 | ug/Kg | | | 11/05/20 15:48 | 1 |
| trans-1,3-Dichloropropene | 5.0 | U | | | 5.0 | 0.87 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,3-Trichlorobenzene | 5.0 | U | | | 5.0 | 1.6 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,4-Trichlorobenzene | 5.0 | U | | | 5.0 | 0.89 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1,1-Trichloroethane | 5.0 | U | | | 5.0 | 0.59 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,1,2-Trichloroethane | 5.0 | U | | | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Trichloroethene | 5.0 | U | | | 5.0 | 1.3 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Trichlorofluoromethane | 5.0 | U | | | 5.0 | 1.2 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,3-Trichloropropane | 5.0 | U | | | 5.0 | 2.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,2,4-Trimethylbenzene | 5.0 | U | | | 5.0 | 1.4 | ug/Kg | | | 11/05/20 15:48 | 1 |
| 1,3,5-Trimethylbenzene | 5.0 | U | | | 5.0 | 1.7 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Vinyl acetate | 10 | U | | | 10 | 2.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Vinyl chloride | 5.0 | U | | | 5.0 | 1.5 | ug/Kg | | | 11/05/20 15:48 | 1 |
| Xylenes, Total | 10 | U | | | 10 | 1.1 | ug/Kg | | | 11/05/20 15:48 | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------|-----------|--------|----------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Toluene-d8 (Surr) | 94 | | 70 - 130 | | | | 11/05/20 15:48 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 113 | | 70 - 130 | | | | 11/05/20 15:48 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 70 - 130 | | | | 11/05/20 15:48 | 1 |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | | 11/05/20 15:48 | 1 |

Lab Sample ID: LCS 680-642425/7**Client Sample ID: Lab Control Sample**
Prep Type: Total/NA**Matrix: Solid****Analysis Batch: 642425**

| Analyte | Spike | LCS | LCS | %Rec. | | | |
|----------------------|-------|--------|-----------|-------|---|------|----------|
| | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Acetone | 250 | 228 | | ug/Kg | | 91 | 40 - 160 |
| Benzene | 50.0 | 49.7 | | ug/Kg | | 99 | 70 - 130 |
| Bromobenzene | 50.0 | 49.3 | | ug/Kg | | 99 | 70 - 130 |
| Bromochloromethane | 50.0 | 51.6 | | ug/Kg | | 103 | 70 - 130 |
| Bromodichloromethane | 50.0 | 49.9 | | ug/Kg | | 100 | 70 - 130 |
| Bromoform | 50.0 | 47.7 | | ug/Kg | | 95 | 70 - 130 |
| Bromomethane | 50.0 | 47.4 | | ug/Kg | | 95 | 40 - 160 |
| 2-Butanone (MEK) | 250 | 240 | | ug/Kg | | 96 | 40 - 160 |
| Carbon disulfide | 50.0 | 44.8 | | ug/Kg | | 90 | 40 - 160 |
| Carbon tetrachloride | 50.0 | 47.4 | | ug/Kg | | 95 | 70 - 130 |
| Chlorobenzene | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 |
| Chloroethane | 50.0 | 46.6 | | ug/Kg | | 93 | 40 - 160 |
| Chloroform | 50.0 | 51.4 | | ug/Kg | | 103 | 70 - 130 |
| Chloromethane | 50.0 | 43.7 | | ug/Kg | | 87 | 40 - 160 |
| 2-Chlorotoluene | 50.0 | 47.3 | | ug/Kg | | 95 | 70 - 130 |
| 4-Chlorotoluene | 50.0 | 47.5 | | ug/Kg | | 95 | 70 - 130 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-642425/7****Client Sample ID: Lab Control Sample****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 642425**

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. | Limits |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--------|
| | Added | Result | Qualifier | | | | | |
| cis-1,2-Dichloroethene | 50.0 | 47.0 | | ug/Kg | | 94 | 70 - 130 | |
| cis-1,3-Dichloropropene | 50.0 | 53.1 | | ug/Kg | | 106 | 70 - 130 | |
| Dibromochloromethane | 50.0 | 51.4 | | ug/Kg | | 103 | 70 - 130 | |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 46.6 | | ug/Kg | | 93 | 40 - 160 | |
| 1,2-Dibromoethane | 50.0 | 55.5 | | ug/Kg | | 111 | 70 - 130 | |
| Dibromomethane | 50.0 | 53.0 | | ug/Kg | | 106 | 70 - 130 | |
| 1,2-Dichlorobenzene | 50.0 | 49.1 | | ug/Kg | | 98 | 70 - 130 | |
| 1,3-Dichlorobenzene | 50.0 | 49.7 | | ug/Kg | | 99 | 70 - 130 | |
| 1,4-Dichlorobenzene | 50.0 | 49.6 | | ug/Kg | | 99 | 70 - 130 | |
| Dichlorodifluoromethane | 50.0 | 41.0 | | ug/Kg | | 82 | 40 - 160 | |
| 1,1-Dichloroethane | 50.0 | 49.2 | | ug/Kg | | 98 | 70 - 130 | |
| 1,2-Dichloroethane | 50.0 | 52.1 | | ug/Kg | | 104 | 70 - 130 | |
| 1,1-Dichloroethene | 50.0 | 43.8 | | ug/Kg | | 88 | 70 - 130 | |
| 1,2-Dichloroethene, Total | 100 | 92.8 | | ug/Kg | | 93 | 70 - 130 | |
| 1,2-Dichloropropane | 50.0 | 49.6 | | ug/Kg | | 99 | 70 - 130 | |
| 1,3-Dichloropropane | 50.0 | 54.3 | | ug/Kg | | 109 | 70 - 130 | |
| 2,2-Dichloropropane | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 | |
| 1,1-Dichloropropene | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 | |
| Ethylbenzene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 | |
| Hexachlorobutadiene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 | |
| 2-Hexanone | 250 | 259 | | ug/Kg | | 104 | 40 - 160 | |
| Isopropylbenzene | 50.0 | 46.8 | | ug/Kg | | 94 | 70 - 130 | |
| Methylene Chloride | 50.0 | 49.5 | | ug/Kg | | 99 | 70 - 130 | |
| 4-Methyl-2-pentanone | 250 | 266 | | ug/Kg | | 106 | 40 - 160 | |
| Methyl tert-butyl ether | 50.0 | 50.7 | | ug/Kg | | 101 | 70 - 130 | |
| m-Xylene & p-Xylene | 50.0 | 47.9 | | ug/Kg | | 96 | 70 - 130 | |
| Naphthalene | 50.0 | 59.4 | | ug/Kg | | 119 | 40 - 160 | |
| n-Butylbenzene | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 | |
| N-Propylbenzene | 50.0 | 46.9 | | ug/Kg | | 94 | 70 - 130 | |
| o-Xylene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 | |
| p-Isopropyltoluene | 50.0 | 48.9 | | ug/Kg | | 98 | 70 - 130 | |
| sec-Butylbenzene | 50.0 | 45.6 | | ug/Kg | | 91 | 70 - 130 | |
| Styrene | 50.0 | 51.9 | | ug/Kg | | 104 | 70 - 130 | |
| tert-Butylbenzene | 50.0 | 46.6 | | ug/Kg | | 93 | 70 - 130 | |
| 1,1,1,2-Tetrachloroethane | 50.0 | 47.1 | | ug/Kg | | 94 | 70 - 130 | |
| 1,1,2,2-Tetrachloroethane | 50.0 | 48.3 | | ug/Kg | | 97 | 70 - 130 | |
| Tetrachloroethene | 50.0 | 49.2 | | ug/Kg | | 98 | 70 - 130 | |
| Toluene | 50.0 | 51.5 | | ug/Kg | | 103 | 70 - 130 | |
| trans-1,2-Dichloroethene | 50.0 | 45.8 | | ug/Kg | | 92 | 70 - 130 | |
| trans-1,3-Dichloropropene | 50.0 | 56.8 | | ug/Kg | | 114 | 70 - 130 | |
| 1,2,3-Trichlorobenzene | 50.0 | 53.1 | | ug/Kg | | 106 | 70 - 130 | |
| 1,2,4-Trichlorobenzene | 50.0 | 52.4 | | ug/Kg | | 105 | 70 - 130 | |
| 1,1,1-Trichloroethane | 50.0 | 48.9 | | ug/Kg | | 98 | 70 - 130 | |
| 1,1,2-Trichloroethane | 50.0 | 52.8 | | ug/Kg | | 106 | 70 - 130 | |
| Trichloroethene | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 | |
| Trichlorofluoromethane | 50.0 | 45.6 | | ug/Kg | | 91 | 40 - 160 | |
| 1,2,3-Trichloropropane | 50.0 | 47.4 | | ug/Kg | | 95 | 70 - 130 | |
| 1,2,4-Trimethylbenzene | 50.0 | 45.5 | | ug/Kg | | 91 | 70 - 130 | |
| 1,3,5-Trimethylbenzene | 50.0 | 47.2 | | ug/Kg | | 94 | 70 - 130 | |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-642425/7****Matrix: Solid****Analysis Batch: 642425**
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec. |
|------------------------------|----------------|------------------|------------------|----------|---|------|----------|
| | | Result | Qualifier | | | | Limits |
| Vinyl acetate | 100 | 128 | | ug/Kg | | 128 | 70 - 130 |
| Vinyl chloride | 50.0 | 41.4 | | ug/Kg | | 83 | 70 - 130 |
| Xylenes, Total | 100 | 95.5 | | ug/Kg | | 96 | 70 - 130 |
| Surrogate | | LCS | LCS | | | | |
| | | %Recovery | Qualifier | | | | |
| Toluene-d8 (Surr) | 93 | | | 70 - 130 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | | 70 - 130 | | | |
| Dibromofluoromethane (Surr) | 100 | | | 70 - 130 | | | |
| 4-Bromofluorobenzene (Surr) | 101 | | | 70 - 130 | | | |

Lab Sample ID: LCSD 680-642425/8**Matrix: Solid****Analysis Batch: 642425**
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec. | RPD | Limit |
|-----------------------------|----------------|--------|-----------|-------|---|------|----------|-----|-------|
| | | Result | Qualifier | | | | Limits | | |
| Acetone | 250 | 229 | | ug/Kg | | 92 | 40 - 160 | 0 | 20 |
| Benzene | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 | 3 | 20 |
| Bromobenzene | 50.0 | 49.4 | | ug/Kg | | 99 | 70 - 130 | 0 | 20 |
| Bromochloromethane | 50.0 | 51.7 | | ug/Kg | | 103 | 70 - 130 | 0 | 20 |
| Bromodichloromethane | 50.0 | 50.7 | | ug/Kg | | 101 | 70 - 130 | 2 | 20 |
| Bromoform | 50.0 | 48.9 | | ug/Kg | | 98 | 70 - 130 | 3 | 20 |
| Bromomethane | 50.0 | 45.2 | | ug/Kg | | 90 | 40 - 160 | 5 | 20 |
| 2-Butanone (MEK) | 250 | 250 | | ug/Kg | | 100 | 40 - 160 | 4 | 20 |
| Carbon disulfide | 50.0 | 44.6 | | ug/Kg | | 89 | 40 - 160 | 1 | 20 |
| Carbon tetrachloride | 50.0 | 44.9 | | ug/Kg | | 90 | 70 - 130 | 5 | 20 |
| Chlorobenzene | 50.0 | 50.6 | | ug/Kg | | 101 | 70 - 130 | 5 | 20 |
| Chloroethane | 50.0 | 45.0 | | ug/Kg | | 90 | 40 - 160 | 3 | 20 |
| Chloroform | 50.0 | 49.5 | | ug/Kg | | 99 | 70 - 130 | 4 | 20 |
| Chloromethane | 50.0 | 44.3 | | ug/Kg | | 89 | 40 - 160 | 1 | 20 |
| 2-Chlorotoluene | 50.0 | 47.9 | | ug/Kg | | 96 | 70 - 130 | 1 | 20 |
| 4-Chlorotoluene | 50.0 | 48.8 | | ug/Kg | | 98 | 70 - 130 | 3 | 20 |
| cis-1,2-Dichloroethene | 50.0 | 46.9 | | ug/Kg | | 94 | 70 - 130 | 0 | 20 |
| cis-1,3-Dichloropropene | 50.0 | 54.1 | | ug/Kg | | 108 | 70 - 130 | 2 | 20 |
| Dibromochloromethane | 50.0 | 53.1 | | ug/Kg | | 106 | 70 - 130 | 3 | 20 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 47.9 | | ug/Kg | | 96 | 40 - 160 | 3 | 20 |
| 1,2-Dibromoethane | 50.0 | 57.7 | | ug/Kg | | 115 | 70 - 130 | 4 | 20 |
| Dibromomethane | 50.0 | 53.3 | | ug/Kg | | 107 | 70 - 130 | 0 | 20 |
| 1,2-Dichlorobenzene | 50.0 | 49.5 | | ug/Kg | | 99 | 70 - 130 | 1 | 20 |
| 1,3-Dichlorobenzene | 50.0 | 50.2 | | ug/Kg | | 100 | 70 - 130 | 1 | 20 |
| 1,4-Dichlorobenzene | 50.0 | 49.8 | | ug/Kg | | 100 | 70 - 130 | 0 | 20 |
| Dichlorodifluoromethane | 50.0 | 41.8 | | ug/Kg | | 84 | 40 - 160 | 2 | 20 |
| 1,1-Dichloroethane | 50.0 | 48.7 | | ug/Kg | | 97 | 70 - 130 | 1 | 20 |
| 1,2-Dichloroethane | 50.0 | 52.6 | | ug/Kg | | 105 | 70 - 130 | 1 | 20 |
| 1,1-Dichloroethene | 50.0 | 43.9 | | ug/Kg | | 88 | 70 - 130 | 0 | 20 |
| 1,2-Dichloroethene, Total | 100 | 92.8 | | ug/Kg | | 93 | 70 - 130 | 0 | 20 |
| 1,2-Dichloropropene | 50.0 | 50.9 | | ug/Kg | | 102 | 70 - 130 | 3 | 20 |
| 1,3-Dichloropropene | 50.0 | 56.0 | | ug/Kg | | 112 | 70 - 130 | 3 | 20 |
| 2,2-Dichloropropene | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 | 0 | 20 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCSD 680-642425/8****Client Sample ID: Lab Control Sample Dup****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 642425**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|---------------------------|----------------|----------------|-------------------|-------|-----|----------|--------|-----|--------------|
| 1,1-Dichloropropene | 50.0 | 49.7 | | ug/Kg | 99 | 70 - 130 | 3 | 20 | |
| Ethylbenzene | 50.0 | 49.6 | | ug/Kg | 99 | 70 - 130 | 4 | 20 | |
| Hexachlorobutadiene | 50.0 | 47.6 | | ug/Kg | 95 | 70 - 130 | 0 | 20 | |
| 2-Hexanone | 250 | 269 | | ug/Kg | 108 | 40 - 160 | 4 | 20 | |
| Isopropylbenzene | 50.0 | 46.9 | | ug/Kg | 94 | 70 - 130 | 0 | 20 | |
| Methylene Chloride | 50.0 | 49.2 | | ug/Kg | 98 | 70 - 130 | 0 | 20 | |
| 4-Methyl-2-pentanone | 250 | 277 | | ug/Kg | 111 | 40 - 160 | 4 | 20 | |
| Methyl tert-butyl ether | 50.0 | 50.8 | | ug/Kg | 102 | 70 - 130 | 0 | 20 | |
| m-Xylene & p-Xylene | 50.0 | 48.8 | | ug/Kg | 98 | 70 - 130 | 2 | 20 | |
| Naphthalene | 50.0 | 59.0 | | ug/Kg | 118 | 40 - 160 | 1 | 20 | |
| n-Butylbenzene | 50.0 | 49.1 | | ug/Kg | 98 | 70 - 130 | 1 | 20 | |
| N-Propylbenzene | 50.0 | 48.4 | | ug/Kg | 97 | 70 - 130 | 3 | 20 | |
| o-Xylene | 50.0 | 48.5 | | ug/Kg | 97 | 70 - 130 | 2 | 20 | |
| p-Isopropyltoluene | 50.0 | 49.7 | | ug/Kg | 99 | 70 - 130 | 2 | 20 | |
| sec-Butylbenzene | 50.0 | 45.8 | | ug/Kg | 92 | 70 - 130 | 1 | 20 | |
| Styrene | 50.0 | 52.9 | | ug/Kg | 106 | 70 - 130 | 2 | 20 | |
| tert-Butylbenzene | 50.0 | 46.9 | | ug/Kg | 94 | 70 - 130 | 1 | 20 | |
| 1,1,1,2-Tetrachloroethane | 50.0 | 47.7 | | ug/Kg | 95 | 70 - 130 | 1 | 20 | |
| 1,1,2,2-Tetrachloroethane | 50.0 | 50.3 | | ug/Kg | 101 | 70 - 130 | 4 | 20 | |
| Tetrachloroethene | 50.0 | 51.1 | | ug/Kg | 102 | 70 - 130 | 4 | 20 | |
| Toluene | 50.0 | 53.3 | | ug/Kg | 107 | 70 - 130 | 4 | 20 | |
| trans-1,2-Dichloroethene | 50.0 | 45.8 | | ug/Kg | 92 | 70 - 130 | 0 | 20 | |
| trans-1,3-Dichloropropene | 50.0 | 58.9 | | ug/Kg | 118 | 70 - 130 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 50.0 | 51.8 | | ug/Kg | 104 | 70 - 130 | 2 | 20 | |
| 1,2,4-Trichlorobenzene | 50.0 | 51.9 | | ug/Kg | 104 | 70 - 130 | 1 | 20 | |
| 1,1,1-Trichloroethane | 50.0 | 48.5 | | ug/Kg | 97 | 70 - 130 | 1 | 20 | |
| 1,1,2-Trichloroethane | 50.0 | 54.7 | | ug/Kg | 109 | 70 - 130 | 4 | 20 | |
| Trichloroethene | 50.0 | 48.5 | | ug/Kg | 97 | 70 - 130 | 1 | 20 | |
| Trichlorofluoromethane | 50.0 | 44.7 | | ug/Kg | 89 | 40 - 160 | 2 | 20 | |
| 1,2,3-Trichloropropane | 50.0 | 48.0 | | ug/Kg | 96 | 70 - 130 | 1 | 20 | |
| 1,2,4-Trimethylbenzene | 50.0 | 46.1 | | ug/Kg | 92 | 70 - 130 | 1 | 20 | |
| 1,3,5-Trimethylbenzene | 50.0 | 47.7 | | ug/Kg | 95 | 70 - 130 | 1 | 20 | |
| Vinyl acetate | 100 | 138 * | | ug/Kg | 138 | 70 - 130 | 7 | 20 | |
| Vinyl chloride | 50.0 | 43.4 | | ug/Kg | 87 | 70 - 130 | 5 | 20 | |
| Xylenes, Total | 100 | 97.3 | | ug/Kg | 97 | 70 - 130 | 2 | 20 | |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|-------------------|-------------------|----------|
| Toluene-d8 (Surr) | 96 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 102 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 |

Lab Sample ID: MB 680-643496/9**Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 643496**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------------|-----------------|----|-----|-------|---|----------|----------------|---------|
| Acetone | 50 | U | 50 | 11 | ug/Kg | | | 11/11/20 14:02 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.

Job ID: 680-190916-1

Project/Site: Stafford County Parcel 4598

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: MB 680-643496/9****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 643496**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------------|-----|------|-------|---|----------|----------------|---------|
| Benzene | 5.0 | U | 5.0 | 0.73 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromobenzene | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromochloromethane | 5.0 | U | 5.0 | 3.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromodichloromethane | 5.0 | U | 5.0 | 0.97 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromoform | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Bromomethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 2-Butanone (MEK) | 25 | U | 25 | 2.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Carbon disulfide | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Carbon tetrachloride | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chlorobenzene | 5.0 | U | 5.0 | 0.96 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chloroethane | 5.0 | U | 5.0 | 2.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chloroform | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Chloromethane | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 2-Chlorotoluene | 5.0 | U | 5.0 | 2.0 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 4-Chlorotoluene | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| cis-1,2-Dichloroethene | 5.0 | U | 5.0 | 1.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| cis-1,3-Dichloropropene | 5.0 | U | 5.0 | 0.83 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Dibromochloromethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dibromo-3-Chloropropane | 10 | U | 10 | 4.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dibromoethane | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Dibromomethane | 5.0 | U | 5.0 | 1.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichlorobenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,3-Dichlorobenzene | 5.0 | U | 5.0 | 1.6 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,4-Dichlorobenzene | 5.0 | U | 5.0 | 0.74 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Dichlorodifluoromethane | 5.0 | U | 5.0 | 0.94 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichloroethane | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1-Dichloroethene | 5.0 | U | 5.0 | 1.5 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichloroethene, Total | 10 | U | 10 | 0.63 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,2-Dichloropropene | 5.0 | U | 5.0 | 0.86 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,3-Dichloropropene | 5.0 | U | 5.0 | 1.8 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 2,2-Dichloropropene | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 1,1-Dichloropropene | 5.0 | U | 5.0 | 0.95 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Ethylbenzene | 5.0 | U | 5.0 | 1.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Hexachlorobutadiene | 5.0 | U | 5.0 | 3.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 2-Hexanone | 25 | U | 25 | 3.3 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Isopropylbenzene | 5.0 | U | 5.0 | 1.9 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Methylene Chloride | 5.0 | U | 5.0 | 0.98 | ug/Kg | | | 11/11/20 14:02 | 1 |
| 4-Methyl-2-pentanone | 25 | U | 25 | 4.2 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Methyl tert-butyl ether | 5.0 | U | 5.0 | 1.0 | ug/Kg | | | 11/11/20 14:02 | 1 |
| m-Xylene & p-Xylene | 5.0 | U | 5.0 | 2.6 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Naphthalene | 5.0 | U | 5.0 | 1.2 | ug/Kg | | | 11/11/20 14:02 | 1 |
| n-Butylbenzene | 5.0 | U | 5.0 | 2.4 | ug/Kg | | | 11/11/20 14:02 | 1 |
| N-Propylbenzene | 5.0 | U | 5.0 | 2.7 | ug/Kg | | | 11/11/20 14:02 | 1 |
| o-Xylene | 5.0 | U | 5.0 | 1.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| p-Isopropyltoluene | 5.0 | U | 5.0 | 2.2 | ug/Kg | | | 11/11/20 14:02 | 1 |
| sec-Butylbenzene | 5.0 | U | 5.0 | 2.1 | ug/Kg | | | 11/11/20 14:02 | 1 |
| Styrene | 5.0 | U | 5.0 | 0.93 | ug/Kg | | | 11/11/20 14:02 | 1 |
| tert-Butylbenzene | 5.0 | U | 5.0 | 1.8 | ug/Kg | | | 11/11/20 14:02 | 1 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID:** MB 680-643496/9
Client Sample ID: Method Blank
Prep Type: Total/NA
Matrix: Solid**Analysis Batch:** 643496

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|----|----|--------|-----------|----|-----|------|-------|----------|----------------|---------|
| | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | 5.0 | U | | 5.0 | 2.4 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,1,2,2-Tetrachloroethane | | | 5.0 | U | | 5.0 | 1.6 | ug/Kg | | 11/11/20 14:02 | 1 |
| Tetrachloroethene | | | 5.0 | U | | 5.0 | 1.9 | ug/Kg | | 11/11/20 14:02 | 1 |
| Toluene | | | 5.0 | U | | 5.0 | 0.84 | ug/Kg | | 11/11/20 14:02 | 1 |
| trans-1,2-Dichloroethene | | | 5.0 | U | | 5.0 | 0.63 | ug/Kg | | 11/11/20 14:02 | 1 |
| trans-1,3-Dichloropropene | | | 5.0 | U | | 5.0 | 0.87 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,2,3-Trichlorobenzene | | | 5.0 | U | | 5.0 | 1.6 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,2,4-Trichlorobenzene | | | 5.0 | U | | 5.0 | 0.89 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,1,1-Trichloroethane | | | 5.0 | U | | 5.0 | 0.59 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,1,2-Trichloroethane | | | 5.0 | U | | 5.0 | 1.3 | ug/Kg | | 11/11/20 14:02 | 1 |
| Trichloroethene | | | 5.0 | U | | 5.0 | 1.3 | ug/Kg | | 11/11/20 14:02 | 1 |
| Trichlorofluoromethane | | | 5.0 | U | | 5.0 | 1.2 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,2,3-Trichloropropane | | | 5.0 | U | | 5.0 | 2.4 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,2,4-Trimethylbenzene | | | 5.0 | U | | 5.0 | 1.4 | ug/Kg | | 11/11/20 14:02 | 1 |
| 1,3,5-Trimethylbenzene | | | 5.0 | U | | 5.0 | 1.7 | ug/Kg | | 11/11/20 14:02 | 1 |
| Vinyl acetate | | | 10 | U | | 10 | 2.5 | ug/Kg | | 11/11/20 14:02 | 1 |
| Vinyl chloride | | | 5.0 | U | | 5.0 | 1.5 | ug/Kg | | 11/11/20 14:02 | 1 |
| Xylenes, Total | | | 10 | U | | 10 | 1.1 | ug/Kg | | 11/11/20 14:02 | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|----|----|-----------|-----------|----------|----------|----------------|---------|
| | | | | | | | | |
| Toluene-d8 (Surr) | | | 95 | | 70 - 130 | | 11/11/20 14:02 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | | | 106 | | 70 - 130 | | 11/11/20 14:02 | 1 |
| Dibromofluoromethane (Surr) | | | 105 | | 70 - 130 | | 11/11/20 14:02 | 1 |
| 4-Bromofluorobenzene (Surr) | | | 111 | | 70 - 130 | | 11/11/20 14:02 | 1 |

Lab Sample ID: LCS 680-643496/4
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Matrix: Solid**Analysis Batch:** 643496

| Analyte | Spike | | LCS | LCS | | %Rec. | |
|-------------------------|-------|--------|-----------|-------|-----|-------|--------|
| | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Acetone | | 250 | 202 | ug/Kg | 81 | 40 | - 160 |
| Benzene | | 50.0 | 48.4 | ug/Kg | 97 | 70 | - 130 |
| Bromobenzene | | 50.0 | 40.6 | ug/Kg | 81 | 70 | - 130 |
| Bromoform | | 50.0 | 44.4 | ug/Kg | 89 | 70 | - 130 |
| Bromochloromethane | | 50.0 | 48.6 | ug/Kg | 97 | 70 | - 130 |
| Bromodichloromethane | | 50.0 | 41.3 | ug/Kg | 83 | 70 | - 130 |
| Bromomethane | | 50.0 | 38.5 | ug/Kg | 77 | 40 | - 160 |
| 2-Butanone (MEK) | | 250 | 224 | ug/Kg | 90 | 40 | - 160 |
| Carbon disulfide | | 50.0 | 41.2 | ug/Kg | 82 | 40 | - 160 |
| Carbon tetrachloride | | 50.0 | 40.7 | ug/Kg | 81 | 70 | - 130 |
| Chlorobenzene | | 50.0 | 47.5 | ug/Kg | 95 | 70 | - 130 |
| Chloroethane | | 50.0 | 41.7 | ug/Kg | 83 | 40 | - 160 |
| Chloroform | | 50.0 | 46.9 | ug/Kg | 94 | 70 | - 130 |
| Chloromethane | | 50.0 | 42.5 | ug/Kg | 85 | 40 | - 160 |
| 2-Chlorotoluene | | 50.0 | 40.8 | ug/Kg | 82 | 70 | - 130 |
| 4-Chlorotoluene | | 50.0 | 41.1 | ug/Kg | 82 | 70 | - 130 |
| cis-1,2-Dichloroethene | | 50.0 | 45.1 | ug/Kg | 90 | 70 | - 130 |
| cis-1,3-Dichloropropene | | 50.0 | 53.7 | ug/Kg | 107 | 70 | - 130 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-643496/4

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 643496

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|-----------------------------|----------------|---------------|------------------|-------|---|------|----------|
| Dibromochloromethane | 50.0 | 48.5 | | ug/Kg | | 97 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 43.0 | | ug/Kg | | 86 | 40 - 160 |
| 1,2-Dibromoethane | 50.0 | 53.4 | | ug/Kg | | 107 | 70 - 130 |
| Dibromomethane | 50.0 | 46.6 | | ug/Kg | | 93 | 70 - 130 |
| 1,2-Dichlorobenzene | 50.0 | 45.9 | | ug/Kg | | 92 | 70 - 130 |
| 1,3-Dichlorobenzene | 50.0 | 48.6 | | ug/Kg | | 97 | 70 - 130 |
| 1,4-Dichlorobenzene | 50.0 | 47.6 | | ug/Kg | | 95 | 70 - 130 |
| Dichlorodifluoromethane | 50.0 | 37.9 | | ug/Kg | | 76 | 40 - 160 |
| 1,1-Dichloroethane | 50.0 | 48.1 | | ug/Kg | | 96 | 70 - 130 |
| 1,2-Dichloroethane | 50.0 | 48.4 | | ug/Kg | | 97 | 70 - 130 |
| 1,1-Dichloroethene | 50.0 | 40.4 | | ug/Kg | | 81 | 70 - 130 |
| 1,2-Dichloroethene, Total | 100 | 90.6 | | ug/Kg | | 91 | 70 - 130 |
| 1,2-Dichloropropane | 50.0 | 52.0 | | ug/Kg | | 104 | 70 - 130 |
| 1,3-Dichloropropane | 50.0 | 56.4 | | ug/Kg | | 113 | 70 - 130 |
| 2,2-Dichloropropane | 50.0 | 40.3 | | ug/Kg | | 81 | 70 - 130 |
| 1,1-Dichloropropene | 50.0 | 51.6 | | ug/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 50.0 | 46.5 | | ug/Kg | | 93 | 70 - 130 |
| Hexachlorobutadiene | 50.0 | 43.6 | | ug/Kg | | 87 | 70 - 130 |
| 2-Hexanone | 250 | 276 | | ug/Kg | | 110 | 40 - 160 |
| Isopropylbenzene | 50.0 | 40.2 | | ug/Kg | | 80 | 70 - 130 |
| Methylene Chloride | 50.0 | 43.5 | | ug/Kg | | 87 | 70 - 130 |
| 4-Methyl-2-pentanone | 250 | 261 | | ug/Kg | | 104 | 40 - 160 |
| Methyl tert-butyl ether | 50.0 | 41.9 | | ug/Kg | | 84 | 70 - 130 |
| m-Xylene & p-Xylene | 50.0 | 45.7 | | ug/Kg | | 91 | 70 - 130 |
| Naphthalene | 50.0 | 48.9 | | ug/Kg | | 98 | 40 - 160 |
| n-Butylbenzene | 50.0 | 46.8 | | ug/Kg | | 94 | 70 - 130 |
| N-Propylbenzene | 50.0 | 41.2 | | ug/Kg | | 82 | 70 - 130 |
| o-Xylene | 50.0 | 42.4 | | ug/Kg | | 85 | 70 - 130 |
| p-Isopropyltoluene | 50.0 | 49.0 | | ug/Kg | | 98 | 70 - 130 |
| sec-Butylbenzene | 50.0 | 37.7 | | ug/Kg | | 75 | 70 - 130 |
| Styrene | 50.0 | 47.5 | | ug/Kg | | 95 | 70 - 130 |
| tert-Butylbenzene | 50.0 | 38.6 | | ug/Kg | | 77 | 70 - 130 |
| 1,1,1,2-Tetrachloroethane | 50.0 | 40.4 | | ug/Kg | | 81 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 41.2 | | ug/Kg | | 82 | 70 - 130 |
| Tetrachloroethene | 50.0 | 48.6 | | ug/Kg | | 97 | 70 - 130 |
| Toluene | 50.0 | 52.9 | | ug/Kg | | 106 | 70 - 130 |
| trans-1,2-Dichloroethene | 50.0 | 45.4 | | ug/Kg | | 91 | 70 - 130 |
| trans-1,3-Dichloropropene | 50.0 | 58.1 | | ug/Kg | | 116 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 50.0 | 44.1 | | ug/Kg | | 88 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 50.0 | 44.4 | | ug/Kg | | 89 | 70 - 130 |
| 1,1,1-Trichloroethane | 50.0 | 40.8 | | ug/Kg | | 82 | 70 - 130 |
| 1,1,2-Trichloroethane | 50.0 | 53.2 | | ug/Kg | | 106 | 70 - 130 |
| Trichloroethene | 50.0 | 46.5 | | ug/Kg | | 93 | 70 - 130 |
| Trichlorofluoromethane | 50.0 | 40.4 | | ug/Kg | | 81 | 40 - 160 |
| 1,2,3-Trichloropropane | 50.0 | 39.9 | | ug/Kg | | 80 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 50.0 | 36.9 | | ug/Kg | | 74 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 50.0 | 39.0 | | ug/Kg | | 78 | 70 - 130 |
| Vinyl acetate | 100 | 129 | | ug/Kg | | 129 | 70 - 130 |
| Vinyl chloride | 50.0 | 40.6 | | ug/Kg | | 81 | 70 - 130 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-643496/4****Matrix: Solid****Analysis Batch: 643496**
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | | Spike | LCS | LCS | Unit | D | %Rec | %Rec. |
|------------------------------|--|-------|--------|-----------|-------|----|----------|--------|
| | | Added | Result | Qualifier | | | | Limits |
| Xylenes, Total | | 100 | 88.1 | | ug/Kg | 88 | 70 - 130 | |
| Surrogate | | | | | | | | |
| Toluene-d8 (Surr) | | 94 | | 70 - 130 | | | | |
| 1,2-Dichloroethane-d4 (Surr) | | 94 | | 70 - 130 | | | | |
| Dibromofluoromethane (Surr) | | 91 | | 70 - 130 | | | | |
| 4-Bromofluorobenzene (Surr) | | 112 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 680-643496/5**Matrix: Solid****Analysis Batch: 643496**
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | | Spike | LCSD | LCSD | Unit | D | %Rec | %Rec. | RPD | RPD | Limit |
|-----------------------------|--|-------|--------|-----------|-------|-----|----------|--------|-----|-----|-------|
| | | Added | Result | Qualifier | | | | Limits | | | |
| Acetone | | 250 | 209 | | ug/Kg | 84 | 40 - 160 | | 4 | 20 | |
| Benzene | | 50.0 | 50.3 | | ug/Kg | 101 | 70 - 130 | | 4 | 20 | |
| Bromobenzene | | 50.0 | 42.8 | | ug/Kg | 86 | 70 - 130 | | 5 | 20 | |
| Bromochloromethane | | 50.0 | 47.8 | | ug/Kg | 96 | 70 - 130 | | 7 | 20 | |
| Bromodichloromethane | | 50.0 | 49.1 | | ug/Kg | 98 | 70 - 130 | | 1 | 20 | |
| Bromoform | | 50.0 | 41.1 | | ug/Kg | 82 | 70 - 130 | | 1 | 20 | |
| Bromomethane | | 50.0 | 43.1 | | ug/Kg | 86 | 40 - 160 | | 11 | 20 | |
| 2-Butanone (MEK) | | 250 | 219 | | ug/Kg | 88 | 40 - 160 | | 2 | 20 | |
| Carbon disulfide | | 50.0 | 43.5 | | ug/Kg | 87 | 40 - 160 | | 5 | 20 | |
| Carbon tetrachloride | | 50.0 | 43.0 | | ug/Kg | 86 | 70 - 130 | | 5 | 20 | |
| Chlorobenzene | | 50.0 | 49.5 | | ug/Kg | 99 | 70 - 130 | | 4 | 20 | |
| Chloroethane | | 50.0 | 46.6 | | ug/Kg | 93 | 40 - 160 | | 11 | 20 | |
| Chloroform | | 50.0 | 47.8 | | ug/Kg | 96 | 70 - 130 | | 2 | 20 | |
| Chloromethane | | 50.0 | 46.7 | | ug/Kg | 93 | 40 - 160 | | 9 | 20 | |
| 2-Chlorotoluene | | 50.0 | 42.1 | | ug/Kg | 84 | 70 - 130 | | 3 | 20 | |
| 4-Chlorotoluene | | 50.0 | 42.6 | | ug/Kg | 85 | 70 - 130 | | 4 | 20 | |
| cis-1,2-Dichloroethene | | 50.0 | 47.4 | | ug/Kg | 95 | 70 - 130 | | 5 | 20 | |
| cis-1,3-Dichloropropene | | 50.0 | 54.1 | | ug/Kg | 108 | 70 - 130 | | 1 | 20 | |
| Dibromochloromethane | | 50.0 | 49.0 | | ug/Kg | 98 | 70 - 130 | | 1 | 20 | |
| 1,2-Dibromo-3-Chloropropane | | 50.0 | 44.3 | | ug/Kg | 89 | 40 - 160 | | 3 | 20 | |
| 1,2-Dibromoethane | | 50.0 | 54.3 | | ug/Kg | 109 | 70 - 130 | | 2 | 20 | |
| Dibromomethane | | 50.0 | 48.5 | | ug/Kg | 97 | 70 - 130 | | 4 | 20 | |
| 1,2-Dichlorobenzene | | 50.0 | 48.8 | | ug/Kg | 98 | 70 - 130 | | 6 | 20 | |
| 1,3-Dichlorobenzene | | 50.0 | 51.2 | | ug/Kg | 102 | 70 - 130 | | 5 | 20 | |
| 1,4-Dichlorobenzene | | 50.0 | 49.5 | | ug/Kg | 99 | 70 - 130 | | 4 | 20 | |
| Dichlorodifluoromethane | | 50.0 | 40.0 | | ug/Kg | 80 | 40 - 160 | | 5 | 20 | |
| 1,1-Dichloroethane | | 50.0 | 49.6 | | ug/Kg | 99 | 70 - 130 | | 3 | 20 | |
| 1,2-Dichloroethane | | 50.0 | 49.8 | | ug/Kg | 100 | 70 - 130 | | 3 | 20 | |
| 1,1-Dichloroethene | | 50.0 | 42.5 | | ug/Kg | 85 | 70 - 130 | | 5 | 20 | |
| 1,2-Dichloroethene, Total | | 100 | 92.1 | | ug/Kg | 92 | 70 - 130 | | 2 | 20 | |
| 1,2-Dichloropropane | | 50.0 | 53.3 | | ug/Kg | 107 | 70 - 130 | | 3 | 20 | |
| 1,3-Dichloropropane | | 50.0 | 56.5 | | ug/Kg | 113 | 70 - 130 | | 0 | 20 | |
| 2,2-Dichloropropane | | 50.0 | 41.6 | | ug/Kg | 83 | 70 - 130 | | 3 | 20 | |
| 1,1-Dichloropropene | | 50.0 | 52.7 | | ug/Kg | 105 | 70 - 130 | | 2 | 20 | |
| Ethylbenzene | | 50.0 | 48.0 | | ug/Kg | 96 | 70 - 130 | | 3 | 20 | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-643496/5

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 643496

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|-------|---|------|----------|-----|-----------|
| Hexachlorobutadiene | 50.0 | 46.8 | | ug/Kg | | 94 | 70 - 130 | 7 | 20 |
| 2-Hexanone | 250 | 275 | | ug/Kg | | 110 | 40 - 160 | 0 | 20 |
| Isopropylbenzene | 50.0 | 41.8 | | ug/Kg | | 84 | 70 - 130 | 4 | 20 |
| Methylene Chloride | 50.0 | 45.7 | | ug/Kg | | 91 | 70 - 130 | 5 | 20 |
| 4-Methyl-2-pentanone | 250 | 252 | | ug/Kg | | 101 | 40 - 160 | 3 | 20 |
| Methyl tert-butyl ether | 50.0 | 42.2 | | ug/Kg | | 84 | 70 - 130 | 1 | 20 |
| m-Xylene & p-Xylene | 50.0 | 46.5 | | ug/Kg | | 93 | 70 - 130 | 2 | 20 |
| Naphthalene | 50.0 | 52.6 | | ug/Kg | | 105 | 40 - 160 | 7 | 20 |
| n-Butylbenzene | 50.0 | 49.4 | | ug/Kg | | 99 | 70 - 130 | 5 | 20 |
| N-Propylbenzene | 50.0 | 42.6 | | ug/Kg | | 85 | 70 - 130 | 3 | 20 |
| o-Xylene | 50.0 | 43.9 | | ug/Kg | | 88 | 70 - 130 | 4 | 20 |
| p-Isopropyltoluene | 50.0 | 51.7 | | ug/Kg | | 103 | 70 - 130 | 5 | 20 |
| sec-Butylbenzene | 50.0 | 38.8 | | ug/Kg | | 78 | 70 - 130 | 3 | 20 |
| Styrene | 50.0 | 48.7 | | ug/Kg | | 97 | 70 - 130 | 2 | 20 |
| tert-Butylbenzene | 50.0 | 39.3 | | ug/Kg | | 79 | 70 - 130 | 2 | 20 |
| 1,1,1,2-Tetrachloroethane | 50.0 | 41.8 | | ug/Kg | | 84 | 70 - 130 | 3 | 20 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 42.7 | | ug/Kg | | 85 | 70 - 130 | 4 | 20 |
| Tetrachloroethene | 50.0 | 49.0 | | ug/Kg | | 98 | 70 - 130 | 1 | 20 |
| Toluene | 50.0 | 53.8 | | ug/Kg | | 108 | 70 - 130 | 2 | 20 |
| trans-1,2-Dichloroethene | 50.0 | 44.7 | | ug/Kg | | 89 | 70 - 130 | 2 | 20 |
| trans-1,3-Dichloropropene | 50.0 | 59.1 | | ug/Kg | | 118 | 70 - 130 | 2 | 20 |
| 1,2,3-Trichlorobenzene | 50.0 | 47.9 | | ug/Kg | | 96 | 70 - 130 | 8 | 20 |
| 1,2,4-Trichlorobenzene | 50.0 | 46.7 | | ug/Kg | | 93 | 70 - 130 | 5 | 20 |
| 1,1,1-Trichloroethane | 50.0 | 44.7 | | ug/Kg | | 89 | 70 - 130 | 9 | 20 |
| 1,1,2-Trichloroethane | 50.0 | 55.3 | | ug/Kg | | 111 | 70 - 130 | 4 | 20 |
| Trichloroethene | 50.0 | 48.0 | | ug/Kg | | 96 | 70 - 130 | 3 | 20 |
| Trichlorofluoromethane | 50.0 | 42.4 | | ug/Kg | | 85 | 40 - 160 | 5 | 20 |
| 1,2,3-Trichloropropane | 50.0 | 38.8 | | ug/Kg | | 78 | 70 - 130 | 3 | 20 |
| 1,2,4-Trimethylbenzene | 50.0 | 38.2 | | ug/Kg | | 76 | 70 - 130 | 3 | 20 |
| 1,3,5-Trimethylbenzene | 50.0 | 40.6 | | ug/Kg | | 81 | 70 - 130 | 4 | 20 |
| Vinyl acetate | 100 | 124 | | ug/Kg | | 124 | 70 - 130 | 4 | 20 |
| Vinyl chloride | 50.0 | 43.9 | | ug/Kg | | 88 | 70 - 130 | 8 | 20 |
| Xylenes, Total | 100 | 90.4 | | ug/Kg | | 90 | 70 - 130 | 3 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| Toluene-d8 (Surr) | 96 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 95 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-643645/16-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 643645

Prep Batch: 643645

| Analyte | MB | | MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | Result | Qualifier | | | | | | | |
| Acenaphthene | 320 | U | | | 320 | 39 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Acenaphthylene | 320 | U | | | 320 | 35 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-643645/16-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 643945

Prep Batch: 643645

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------------|-----------------|------|------|-------|----------------|----------------|----------|---------|
| Acetophenone | 320 | U | 320 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Anthracene | 320 | U | 320 | 24 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Atrazine | 320 | U | 320 | 22 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Benzaldehyde | 320 | U | 320 | 56 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Benzo[a]anthracene | 320 | U | 320 | 26 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Benzo[a]pyrene | 320 | U | 320 | 50 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Benzo[b]fluoranthene | 320 | U | 320 | 36 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Benzo[g,h,i]perylene | 320 | U | 320 | 21 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Benzo[k]fluoranthene | 320 | U | 320 | 62 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 1,1'-Biphenyl | 1600 | U | 1600 | 1600 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Bis(2-chloroethoxy)methane | 320 | U | 320 | 37 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Bis(2-chloroethyl)ether | 320 | U | 320 | 43 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| bis (2-chloroisopropyl) ether | 320 | U | 320 | 29 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Bis(2-ethylhexyl) phthalate | 320 | U | 320 | 28 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 4-Bromophenyl phenyl ether | 320 | U | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Butyl benzyl phthalate | 320 | U | 320 | 25 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Caprolactam | 320 | U | 320 | 63 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Carbazole | 320 | U | 320 | 29 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 4-Chloroaniline | 630 | U | 630 | 50 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 4-Chloro-3-methylphenol | 320 | U | 320 | 34 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2-Chloronaphthalene | 320 | U | 320 | 34 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2-Chlorophenol | 320 | U | 320 | 38 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 4-Chlorophenyl phenyl ether | 320 | U | 320 | 42 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Chrysene | 320 | U | 320 | 20 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Dibenz(a,h)anthracene | 320 | U | 320 | 37 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Dibenzo furan | 320 | U | 320 | 32 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 3,3'-Dichlorobenzidine | 630 | U | 630 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2,4-Dichlorophenol | 320 | U | 320 | 34 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Diethyl phthalate | 320 | U | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2,4-Dimethylphenol | 320 | U | 320 | 42 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Dimethyl phthalate | 320 | U | 320 | 33 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Di-n-butyl phthalate | 30.9 | J | 320 | 29 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 4,6-Dinitro-2-methylphenol | 1600 | U | 1600 | 160 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2,4-Dinitrophenol | 1600 | U | 1600 | 800 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2,6-Dinitrotoluene | 320 | U | 320 | 40 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2,4-Dinitrotoluene | 320 | U | 320 | 47 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Di-n-octyl phthalate | 320 | U | 320 | 28 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Fluoranthene | 320 | U | 320 | 31 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Fluorene | 320 | U | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Hexachlorobenzene | 320 | U | 320 | 37 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Hexachlorobutadiene | 320 | U | 320 | 35 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Hexachlorocyclopentadiene | 320 | U | 320 | 39 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Hexachloroethane | 320 | U | 320 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Indeno[1,2,3-cd]pyrene | 320 | U | 320 | 27 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| Isophorone | 320 | U | 320 | 32 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2-Methylnaphthalene | 320 | U | 320 | 36 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 1-Methylnaphthalene | 320 | U | 320 | 30 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 2-Methylphenol | 320 | U | 320 | 26 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |
| 3 & 4 Methylphenol | 320 | U | 320 | 41 | ug/Kg | 11/12/20 10:37 | 11/13/20 15:27 | 1 | 1 |

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QC Sample ResultsClient: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: MB 680-643645/16-A****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 643945****Prep Batch: 643645**

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Naphthalene | 320 | U | 320 | 29 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2-Nitroaniline | 1600 | U | 1600 | 43 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 3-Nitroaniline | 1600 | U | 1600 | 44 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 4-Nitroaniline | 1600 | U | 1600 | 47 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Nitrobenzene | 320 | U | 320 | 25 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2-Nitrophenol | 320 | U | 320 | 39 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 4-Nitrophenol | 1600 | U | 1600 | 320 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| N-Nitrosodi-n-propylamine | 320 | U | 320 | 31 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| N-Nitrosodiphenylamine | 320 | U | 320 | 32 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Pentachlorophenol | 1600 | U | 1600 | 320 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Phenanthrene | 320 | U | 320 | 26 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Phenol | 320 | U | 320 | 33 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Pyrene | 320 | U | 320 | 26 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2,4,6-Trichlorophenol | 320 | U | 320 | 28 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2,4,5-Trichlorophenol | 320 | U | 320 | 34 | ug/Kg | | 11/12/20 10:37 | 11/13/20 15:27 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Nitrobenzene-d5 (Surr) | 58 | | 37 - 115 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2-Fluorobiphenyl (Surr) | 57 | | 41 - 116 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Terphenyl-d14 (Surr) | 68 | | 46 - 126 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| Phenol-d5 (Surr) | 57 | | 38 - 122 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2-Fluorophenol (Surr) | 56 | | 39 - 114 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |
| 2,4,6-Tribromophenol (Surr) | 58 | | 45 - 129 | 11/12/20 10:37 | 11/13/20 15:27 | 1 |

Lab Sample ID: LCS 680-643645/17-A**Client Sample ID: Lab Control Sample**
Prep Type: Total/NA
Prep Batch: 643645**Matrix: Solid****Analysis Batch: 643945**

| Analyte | Spike | LCS | LCS | %Rec. | | |
|-------------------------------|-------|--------|-----------|-------|----|----------|
| | Added | Result | Qualifier | Unit | D | %Rec |
| Acenaphthene | 6370 | 3730 | | ug/Kg | 59 | 47 - 130 |
| Acenaphthylene | 6370 | 3910 | | ug/Kg | 61 | 45 - 130 |
| Acetophenone | 6370 | 3530 | | ug/Kg | 55 | 44 - 130 |
| Anthracene | 6370 | 3870 | | ug/Kg | 61 | 50 - 130 |
| Atrazine | 6370 | 3870 | | ug/Kg | 61 | 47 - 130 |
| Benzaldehyde | 6370 | 764 | | ug/Kg | 12 | 10 - 130 |
| Benzo[a]anthracene | 6370 | 4070 | | ug/Kg | 64 | 50 - 130 |
| Benzo[a]pyrene | 6370 | 3990 | | ug/Kg | 63 | 47 - 131 |
| Benzo[b]fluoranthene | 6370 | 4020 | | ug/Kg | 63 | 48 - 130 |
| Benzo[g,h,i]perylene | 6370 | 4170 | | ug/Kg | 65 | 42 - 130 |
| Benzo[k]fluoranthene | 6370 | 3930 | | ug/Kg | 62 | 48 - 108 |
| 1,1'-Biphenyl | 6370 | 3690 | | ug/Kg | 58 | 48 - 130 |
| Bis(2-chloroethoxy)methane | 6370 | 3700 | | ug/Kg | 58 | 47 - 130 |
| Bis(2-chloroethyl)ether | 6370 | 3890 | | ug/Kg | 61 | 37 - 130 |
| bis (2-chloroisopropyl) ether | 6370 | 4590 | | ug/Kg | 72 | 38 - 130 |
| Bis(2-ethylhexyl) phthalate | 6370 | 4340 | | ug/Kg | 68 | 48 - 130 |
| 4-Bromophenyl phenyl ether | 6370 | 3720 | | ug/Kg | 58 | 53 - 130 |
| Butyl benzyl phthalate | 6370 | 4460 | | ug/Kg | 70 | 53 - 134 |
| Caprolactam | 6370 | 4820 | | ug/Kg | 76 | 44 - 130 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-643645/17-A****Matrix: Solid****Analysis Batch: 643945****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 643645**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|-----------------------------|----------------|---------------|------------------|------|----|----------|--------|
| Carbazole | 6370 | 3950 | ug/Kg | | 62 | 51 - 130 | |
| 4-Chloroaniline | 6370 | 2590 | ug/Kg | | 41 | 10 - 130 | |
| 4-Chloro-3-methylphenol | 6370 | 3980 | ug/Kg | | 62 | 51 - 130 | |
| 2-Chloronaphthalene | 6370 | 3740 | ug/Kg | | 59 | 48 - 130 | |
| 2-Chlorophenol | 6370 | 3880 | ug/Kg | | 61 | 47 - 130 | |
| 4-Chlorophenyl phenyl ether | 6370 | 3620 | ug/Kg | | 57 | 49 - 130 | |
| Chrysene | 6370 | 4150 | ug/Kg | | 65 | 47 - 130 | |
| Dibenz(a,h)anthracene | 6370 | 4170 | ug/Kg | | 66 | 44 - 130 | |
| Dibenzofuran | 6370 | 3760 | ug/Kg | | 59 | 49 - 130 | |
| 3,3'-Dichlorobenzidine | 12700 | 2560 | ug/Kg | | 20 | 16 - 130 | |
| 2,4-Dichlorophenol | 6370 | 3880 | ug/Kg | | 61 | 48 - 130 | |
| Diethyl phthalate | 6370 | 4050 | ug/Kg | | 64 | 49 - 130 | |
| 2,4-Dimethylphenol | 6370 | 3930 | ug/Kg | | 62 | 43 - 130 | |
| Dimethyl phthalate | 6370 | 3840 | ug/Kg | | 60 | 50 - 130 | |
| Di-n-butyl phthalate | 6370 | 4200 | ug/Kg | | 66 | 52 - 130 | |
| 4,6-Dinitro-2-methylphenol | 12700 | 7000 | ug/Kg | | 55 | 23 - 130 | |
| 2,4-Dinitrophenol | 12700 | 4300 | ug/Kg | | 34 | 10 - 130 | |
| 2,6-Dinitrotoluene | 6370 | 3880 | ug/Kg | | 61 | 49 - 130 | |
| 2,4-Dinitrotoluene | 6370 | 4020 | ug/Kg | | 63 | 49 - 111 | |
| Di-n-octyl phthalate | 6370 | 4600 | ug/Kg | | 72 | 46 - 130 | |
| Fluoranthene | 6370 | 3910 | ug/Kg | | 61 | 51 - 130 | |
| Fluorene | 6370 | 3690 | ug/Kg | | 58 | 52 - 130 | |
| Hexachlorobenzene | 6370 | 3710 | ug/Kg | | 58 | 53 - 130 | |
| Hexachlorobutadiene | 6370 | 3470 | ug/Kg | | 55 | 48 - 130 | |
| Hexachlorocyclopentadiene | 6370 | 2470 | ug/Kg | | 39 | 28 - 130 | |
| Hexachloroethane | 6370 | 3340 | ug/Kg | | 52 | 42 - 130 | |
| Indeno[1,2,3-cd]pyrene | 6370 | 4400 | ug/Kg | | 69 | 41 - 130 | |
| Isophorone | 6370 | 3840 | ug/Kg | | 60 | 48 - 130 | |
| 2-Methylnaphthalene | 6370 | 3560 | ug/Kg | | 56 | 48 - 130 | |
| 1-Methylnaphthalene | 6370 | 3460 | ug/Kg | | 54 | 48 - 130 | |
| 2-Methylphenol | 6370 | 3870 | ug/Kg | | 61 | 46 - 130 | |
| 3 & 4 Methylphenol | 6370 | 3730 | ug/Kg | | 59 | 46 - 130 | |
| Naphthalene | 6370 | 3600 | ug/Kg | | 57 | 47 - 130 | |
| 2-Nitroaniline | 6370 | 4440 | ug/Kg | | 70 | 44 - 130 | |
| 3-Nitroaniline | 6370 | 3450 | ug/Kg | | 54 | 21 - 130 | |
| 4-Nitroaniline | 6370 | 3910 | ug/Kg | | 61 | 41 - 130 | |
| Nitrobenzene | 6370 | 3590 | ug/Kg | | 56 | 45 - 130 | |
| 2-Nitrophenol | 6370 | 3680 | ug/Kg | | 58 | 43 - 130 | |
| 4-Nitrophenol | 12700 | 7680 | ug/Kg | | 60 | 40 - 130 | |
| N-Nitrosodi-n-propylamine | 6370 | 3510 | ug/Kg | | 55 | 38 - 130 | |
| N-Nitrosodiphenylamine | 6370 | 3880 | ug/Kg | | 61 | 50 - 130 | |
| Pentachlorophenol | 12700 | 6380 | ug/Kg | | 50 | 41 - 130 | |
| Phenanthrene | 6370 | 3950 | ug/Kg | | 62 | 52 - 130 | |
| Phenol | 6370 | 3990 | ug/Kg | | 63 | 47 - 130 | |
| Pyrene | 6370 | 4120 | ug/Kg | | 65 | 50 - 130 | |
| 2,4,6-Trichlorophenol | 6370 | 3660 | ug/Kg | | 58 | 50 - 130 | |
| 2,4,5-Trichlorophenol | 6370 | 3600 | ug/Kg | | 57 | 51 - 130 | |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 680-643645/17-A****Matrix: Solid****Analysis Batch: 643945****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 643645**

| Surrogate | LCS | LCS | |
|-----------------------------|------------------|------------------|---------------|
| | %Recovery | Qualifier | Limits |
| Nitrobenzene-d5 (Surr) | 54 | | 37 - 115 |
| 2-Fluorobiphenyl (Surr) | 52 | | 41 - 116 |
| Terphenyl-d14 (Surr) | 61 | | 46 - 126 |
| Phenol-d5 (Surr) | 57 | | 38 - 122 |
| 2-Fluorophenol (Surr) | 57 | | 39 - 114 |
| 2,4,6-Tribromophenol (Surr) | 51 | | 45 - 129 |

Lab Sample ID: 680-190916-1 MS**Matrix: Solid****Analysis Batch: 643945****Client Sample ID: SB-5****Prep Type: Total/NA****Prep Batch: 643645**

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | Limits |
|-------------------------------|---------------|------------------|--------------|-----------|-----------|-------------|----------|-------------|---------------|
| | Result | Qualifier | | | | | | | |
| Acenaphthene | 420 | U F2 F1 | 8550 | 5090 | | ug/Kg | ⊗ | 60 | 58 - 130 |
| Acenaphthylene | 420 | U F1 | 8550 | 4980 | | ug/Kg | ⊗ | 58 | 58 - 130 |
| Acetophenone | 420 | U F2 F1 | 8550 | 5290 | | ug/Kg | ⊗ | 62 | 42 - 130 |
| Anthracene | 420 | U F1 | 8550 | 4850 | F1 | ug/Kg | ⊗ | 57 | 60 - 130 |
| Atrazine | 420 | U F1 F2 | 8550 | 4200 | F1 | ug/Kg | ⊗ | 49 | 54 - 141 |
| Benzaldehyde | 420 | U F2 | 8550 | 5400 | | ug/Kg | ⊗ | 63 | 10 - 130 |
| Benzo[a]anthracene | 420 | U F1 | 8550 | 4670 | F1 | ug/Kg | ⊗ | 55 | 62 - 130 |
| Benzo[a]pyrene | 420 | U F1 | 8550 | 4210 | F1 | ug/Kg | ⊗ | 49 | 68 - 131 |
| Benzo[b]fluoranthene | 420 | U F1 | 8550 | 4280 | F1 | ug/Kg | ⊗ | 50 | 53 - 130 |
| Benzo[g,h,i]perylene | 420 | U F1 | 8550 | 3920 | F1 | ug/Kg | ⊗ | 46 | 54 - 130 |
| Benzo[k]fluoranthene | 420 | U F1 | 8550 | 4360 | F1 | ug/Kg | ⊗ | 51 | 57 - 130 |
| 1,1'-Biphenyl | 2200 | U F1 | 8550 | 5170 | | ug/Kg | ⊗ | 60 | 57 - 130 |
| Bis(2-chloroethoxy)methane | 420 | U F2 F1 | 8550 | 5210 | | ug/Kg | ⊗ | 61 | 56 - 130 |
| Bis(2-chloroethyl)ether | 420 | U F2 F1 | 8550 | 5530 | | ug/Kg | ⊗ | 65 | 42 - 130 |
| bis (2-chloroisopropyl) ether | 420 | U F2 | 8550 | 6760 | | ug/Kg | ⊗ | 79 | 44 - 130 |
| Bis(2-ethylhexyl) phthalate | 420 | U F1 | 8550 | 5220 | F1 | ug/Kg | ⊗ | 61 | 62 - 132 |
| 4-Bromophenyl phenyl ether | 420 | U F1 | 8550 | 4830 | F1 | ug/Kg | ⊗ | 56 | 65 - 130 |
| Butyl benzyl phthalate | 420 | U F1 F2 | 8550 | 5260 | F1 | ug/Kg | ⊗ | 62 | 65 - 134 |
| Caprolactam | 420 | U F2 F1 | 8550 | 5580 | | ug/Kg | ⊗ | 65 | 52 - 130 |
| Carbazole | 420 | U F1 | 8550 | 4720 | F1 | ug/Kg | ⊗ | 55 | 60 - 130 |
| 4-Chloroaniline | 840 | U F1 | 8550 | 3120 | | ug/Kg | ⊗ | 37 | 36 - 130 |
| 4-Chloro-3-methylphenol | 420 | U F2 F1 | 8550 | 4790 | | ug/Kg | ⊗ | 56 | 52 - 130 |
| 2-Chloronaphthalene | 420 | U F1 | 8550 | 5250 | | ug/Kg | ⊗ | 61 | 55 - 130 |
| 2-Chlorophenol | 420 | U F2 F1 | 8550 | 5070 | | ug/Kg | ⊗ | 59 | 51 - 130 |
| 4-Chlorophenyl phenyl ether | 420 | U F1 | 8550 | 4810 | F1 | ug/Kg | ⊗ | 56 | 61 - 130 |
| Chrysene | 420 | U F1 | 8550 | 4720 | F1 | ug/Kg | ⊗ | 55 | 62 - 130 |
| Dibenz(a,h)anthracene | 420 | U F1 | 8550 | 4240 | F1 | ug/Kg | ⊗ | 50 | 56 - 130 |
| Dibenzo furan | 420 | U F1 | 8550 | 5100 | | ug/Kg | ⊗ | 60 | 56 - 130 |
| 3,3'-Dichlorobenzidine | 840 | U F1 F2 | 17100 | 3310 | F1 | ug/Kg | ⊗ | 19 | 45 - 130 |
| 2,4-Dichlorophenol | 420 | U F2 F1 | 8550 | 4970 | | ug/Kg | ⊗ | 58 | 53 - 130 |
| Diethyl phthalate | 420 | U F1 | 8550 | 4950 | F1 | ug/Kg | ⊗ | 58 | 62 - 130 |
| 2,4-Dimethylphenol | 420 | U F1 | 8550 | 2910 | F1 | ug/Kg | ⊗ | 34 | 47 - 130 |
| Dimethyl phthalate | 420 | U F1 F2 | 8550 | 4870 | F1 | ug/Kg | ⊗ | 57 | 63 - 130 |
| Di-n-butyl phthalate | 420 | U F1 | 8550 | 5050 | F1 | ug/Kg | ⊗ | 59 | 65 - 130 |
| 4,6-Dinitro-2-methylphenol | 2200 | U F2 F1 | 17100 | 4230 | | ug/Kg | ⊗ | 25 | 14 - 137 |
| 2,4-Dinitrophenol | 2200 | U F1 | 17100 | 1750 | J | ug/Kg | ⊗ | 10 | 10 - 154 |

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QC Sample ResultsClient: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: 680-190916-1 MS****Matrix: Solid****Analysis Batch: 643945**
Client Sample ID: SB-5
Prep Type: Total/NA
Prep Batch: 643645

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec. |
|-----------------------------|-----------|-----------|-------|---------------|-----------|-------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| 2,6-Dinitrotoluene | 420 | U F1 | 8550 | 4610 | F1 | ug/Kg | ⊗ | 54 | 57 - 130 |
| 2,4-Dinitrotoluene | 420 | U F1 | 8550 | 4570 | F1 | ug/Kg | ⊗ | 53 | 55 - 130 |
| Di-n-octyl phthalate | 420 | U F2 F1 | 8550 | 5490 | | ug/Kg | ⊗ | 64 | 59 - 146 |
| Fluoranthene | 420 | U F1 | 8550 | 5060 | F1 | ug/Kg | ⊗ | 59 | 62 - 130 |
| Fluorene | 420 | U F1 | 8550 | 5030 | | ug/Kg | ⊗ | 59 | 58 - 130 |
| Hexachlorobenzene | 420 | U F1 | 8550 | 4820 | F1 | ug/Kg | ⊗ | 56 | 59 - 130 |
| Hexachlorobutadiene | 420 | U F2 F1 | 8550 | 5390 | | ug/Kg | ⊗ | 63 | 47 - 130 |
| Hexachlorocyclopentadiene | 420 | U F1 | 8550 | 975 | F1 | ug/Kg | ⊗ | 11 | 35 - 130 |
| Hexachloroethane | 420 | U F1 | 8550 | 4390 | | ug/Kg | ⊗ | 51 | 44 - 130 |
| Indeno[1,2,3-cd]pyrene | 420 | U F1 | 8550 | 4330 | F1 | ug/Kg | ⊗ | 51 | 52 - 130 |
| Isophorone | 420 | U F2 F1 | 8550 | 5370 | | ug/Kg | ⊗ | 63 | 48 - 130 |
| 2-Methylnaphthalene | 420 | U F2 F1 | 8550 | 5300 | | ug/Kg | ⊗ | 62 | 55 - 130 |
| 1-Methylnaphthalene | 420 | U F2 F1 | 8550 | 4930 | | ug/Kg | ⊗ | 58 | 48 - 130 |
| 2-Methylphenol | 420 | U F1 | 8550 | 4220 | | ug/Kg | ⊗ | 49 | 49 - 130 |
| 3 & 4 Methylphenol | 420 | U F2 F1 | 8550 | 4480 | | ug/Kg | ⊗ | 52 | 50 - 130 |
| Naphthalene | 420 | U F2 F1 | 8550 | 5240 | | ug/Kg | ⊗ | 61 | 54 - 130 |
| 2-Nitroaniline | 2200 | U F2 F1 | 8550 | 5460 | | ug/Kg | ⊗ | 64 | 52 - 130 |
| 3-Nitroaniline | 2200 | U F1 | 8550 | 4410 | | ug/Kg | ⊗ | 52 | 42 - 130 |
| 4-Nitroaniline | 2200 | U F2 F1 | 8550 | 4350 | | ug/Kg | ⊗ | 51 | 49 - 130 |
| Nitrobenzene | 420 | U F2 F1 | 8550 | 5410 | | ug/Kg | ⊗ | 63 | 43 - 130 |
| 2-Nitrophenol | 420 | U F2 F1 | 8550 | 4680 | | ug/Kg | ⊗ | 55 | 45 - 130 |
| 4-Nitrophenol | 2200 | U F2 | 17100 | 9860 | | ug/Kg | ⊗ | 58 | 30 - 130 |
| N-Nitrosodi-n-propylamine | 420 | U F2 F1 | 8550 | 5060 | | ug/Kg | ⊗ | 59 | 48 - 130 |
| N-Nitrosodiphenylamine | 420 | U F1 | 8550 | 4270 | F1 | ug/Kg | ⊗ | 50 | 62 - 130 |
| Pentachlorophenol | 2200 | U F1 F2 | 17100 | 5980 | F1 | ug/Kg | ⊗ | 35 | 38 - 131 |
| Phenanthrene | 420 | U F1 | 8550 | 5120 | F1 | ug/Kg | ⊗ | 60 | 61 - 130 |
| Phenol | 420 | U F2 F1 | 8550 | 5280 | | ug/Kg | ⊗ | 62 | 46 - 130 |
| Pyrene | 420 | U F1 | 8550 | 5060 | | ug/Kg | ⊗ | 59 | 59 - 130 |
| 2,4,6-Trichlorophenol | 420 | U F1 | 8550 | 4530 | | ug/Kg | ⊗ | 53 | 53 - 130 |
| 2,4,5-Trichlorophenol | 420 | U F1 | 8550 | 4670 | F1 | ug/Kg | ⊗ | 55 | 60 - 130 |
| <i>MS MS</i> | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | | <i>Limits</i> | | | | | |
| Nitrobenzene-d5 (Surr) | 59 | | | 37 - 115 | | | | | |
| 2-Fluorobiphenyl (Surr) | 56 | | | 41 - 116 | | | | | |
| Terphenyl-d14 (Surr) | 55 | | | 46 - 126 | | | | | |
| Phenol-d5 (Surr) | 56 | | | 38 - 122 | | | | | |
| 2-Fluorophenol (Surr) | 56 | | | 39 - 114 | | | | | |
| 2,4,6-Tribromophenol (Surr) | 42 | X | | 45 - 129 | | | | | |

Lab Sample ID: 680-190916-1 MSD**Matrix: Solid****Analysis Batch: 643945**
Client Sample ID: SB-5
Prep Type: Total/NA
Prep Batch: 643645

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. |
|----------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Acenaphthene | 420 | U F2 F1 | 8390 | 3030 | F2 F1 | ug/Kg | ⊗ | 36 | 58 - 130 |
| Acenaphthylene | 420 | U F1 | 8390 | 3130 | F1 | ug/Kg | ⊗ | 37 | 58 - 130 |
| Acetophenone | 420 | U F2 F1 | 8390 | 2960 | F2 F1 | ug/Kg | ⊗ | 35 | 42 - 130 |
| Anthracene | 420 | U F1 | 8390 | 3030 | F1 | ug/Kg | ⊗ | 36 | 60 - 130 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: 680-190916-1 MSD****Matrix: Solid****Analysis Batch: 643945****Client Sample ID: SB-5****Prep Type: Total/NA****Prep Batch: 643645**

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | Limits | RPD | RPD |
|-------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-----|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| Atrazine | 420 | U F1 F2 | 8390 | 2460 | F2 F1 | ug/Kg | ⊗ | 29 | 54 - 141 | 52 | 50 |
| Benzaldehyde | 420 | U F2 | 8390 | 3150 | F2 | ug/Kg | ⊗ | 38 | 10 - 130 | 53 | 50 |
| Benzo[a]anthracene | 420 | U F1 | 8390 | 2880 | F1 | ug/Kg | ⊗ | 34 | 62 - 130 | 47 | 50 |
| Benzo[a]pyrene | 420 | U F1 | 8390 | 2710 | F1 | ug/Kg | ⊗ | 32 | 68 - 131 | 43 | 50 |
| Benzo[b]fluoranthene | 420 | U F1 | 8390 | 2760 | F1 | ug/Kg | ⊗ | 33 | 53 - 130 | 43 | 50 |
| Benzo[g,h,i]perylene | 420 | U F1 | 8390 | 2610 | F1 | ug/Kg | ⊗ | 31 | 54 - 130 | 40 | 50 |
| Benzo[k]fluoranthene | 420 | U F1 | 8390 | 2770 | F1 | ug/Kg | ⊗ | 33 | 57 - 130 | 45 | 50 |
| 1,1'-Biphenyl | 2200 | U F1 | 8390 | 3180 | F1 | ug/Kg | ⊗ | 38 | 57 - 130 | 48 | 50 |
| Bis(2-chloroethoxy)methane | 420 | U F2 F1 | 8390 | 3040 | F2 F1 | ug/Kg | ⊗ | 36 | 56 - 130 | 53 | 50 |
| Bis(2-chloroethyl)ether | 420 | U F2 F1 | 8390 | 3140 | F2 F1 | ug/Kg | ⊗ | 37 | 42 - 130 | 55 | 50 |
| bis (2-chloroisopropyl) ether | 420 | U F2 | 8390 | 3860 | F2 | ug/Kg | ⊗ | 46 | 44 - 130 | 55 | 50 |
| Bis(2-ethylhexyl) phthalate | 420 | U F1 | 8390 | 3140 | F1 | ug/Kg | ⊗ | 37 | 62 - 132 | 50 | 50 |
| 4-Bromophenyl phenyl ether | 420 | U F1 | 8390 | 3080 | F1 | ug/Kg | ⊗ | 37 | 65 - 130 | 44 | 50 |
| Butyl benzyl phthalate | 420 | U F1 F2 | 8390 | 3000 | F2 F1 | ug/Kg | ⊗ | 36 | 65 - 134 | 55 | 50 |
| Caprolactam | 420 | U F2 F1 | 8390 | 2910 | F2 F1 | ug/Kg | ⊗ | 35 | 52 - 130 | 63 | 50 |
| Carbazole | 420 | U F1 | 8390 | 2970 | F1 | ug/Kg | ⊗ | 35 | 60 - 130 | 45 | 50 |
| 4-Chloroaniline | 840 | U F1 | 8390 | 2310 | F1 | ug/Kg | ⊗ | 28 | 36 - 130 | 30 | 50 |
| 4-Chloro-3-methylphenol | 420 | U F2 F1 | 8390 | 2840 | F2 F1 | ug/Kg | ⊗ | 34 | 52 - 130 | 51 | 50 |
| 2-Chloronaphthalene | 420 | U F1 | 8390 | 3230 | F1 | ug/Kg | ⊗ | 38 | 55 - 130 | 48 | 50 |
| 2-Chlorophenol | 420 | U F2 F1 | 8390 | 2980 | F2 F1 | ug/Kg | ⊗ | 36 | 51 - 130 | 52 | 50 |
| 4-Chlorophenyl phenyl ether | 420 | U F1 | 8390 | 3000 | F1 | ug/Kg | ⊗ | 36 | 61 - 130 | 46 | 50 |
| Chrysene | 420 | U F1 | 8390 | 2950 | F1 | ug/Kg | ⊗ | 35 | 62 - 130 | 46 | 50 |
| Dibenz(a,h)anthracene | 420 | U F1 | 8390 | 2770 | F1 | ug/Kg | ⊗ | 33 | 56 - 130 | 42 | 50 |
| Dibenzofuran | 420 | U F1 | 8390 | 3100 | F1 | ug/Kg | ⊗ | 37 | 56 - 130 | 49 | 50 |
| 3,3'-Dichlorobenzidine | 840 | U F1 F2 | 16800 | 1840 | F2 F1 | ug/Kg | ⊗ | 11 | 45 - 130 | 57 | 50 |
| 2,4-Dichlorophenol | 420 | U F2 F1 | 8390 | 2960 | F2 F1 | ug/Kg | ⊗ | 35 | 53 - 130 | 51 | 50 |
| Diethyl phthalate | 420 | U F1 | 8390 | 3100 | F1 | ug/Kg | ⊗ | 37 | 62 - 130 | 46 | 50 |
| 2,4-Dimethylphenol | 420 | U F1 | 8390 | 1830 | F1 | ug/Kg | ⊗ | 22 | 47 - 130 | 45 | 50 |
| Dimethyl phthalate | 420 | U F1 F2 | 8390 | 2890 | F2 F1 | ug/Kg | ⊗ | 34 | 63 - 130 | 51 | 50 |
| Di-n-butyl phthalate | 420 | U F1 | 8390 | 3130 | F1 | ug/Kg | ⊗ | 37 | 65 - 130 | 47 | 50 |
| 4,6-Dinitro-2-methylphenol | 2200 | U F2 F1 | 16800 | 1470 | J F2 F1 | ug/Kg | ⊗ | 9 | 14 - 137 | 97 | 50 |
| 2,4-Dinitrophenol | 2200 | U F1 | 16800 | 2100 | U F1 | ug/Kg | ⊗ | 0 | 10 - 154 | NC | 50 |
| 2,6-Dinitrotoluene | 420 | U F1 | 8390 | 2910 | F1 | ug/Kg | ⊗ | 35 | 57 - 130 | 45 | 50 |
| 2,4-Dinitrotoluene | 420 | U F1 | 8390 | 2760 | F1 | ug/Kg | ⊗ | 33 | 55 - 130 | 49 | 50 |
| Di-n-octyl phthalate | 420 | U F2 F1 | 8390 | 3250 | F2 F1 | ug/Kg | ⊗ | 39 | 59 - 146 | 51 | 50 |
| Fluoranthene | 420 | U F1 | 8390 | 3020 | F1 | ug/Kg | ⊗ | 36 | 62 - 130 | 50 | 50 |
| Fluorene | 420 | U F1 | 8390 | 3070 | F1 | ug/Kg | ⊗ | 37 | 58 - 130 | 48 | 50 |
| Hexachlorobenzene | 420 | U F1 | 8390 | 2940 | F1 | ug/Kg | ⊗ | 35 | 59 - 130 | 48 | 50 |
| Hexachlorobutadiene | 420 | U F2 F1 | 8390 | 3070 | F2 F1 | ug/Kg | ⊗ | 37 | 47 - 130 | 55 | 50 |
| Hexachlorocyclopentadiene | 420 | U F1 | 8390 | 748 | F1 | ug/Kg | ⊗ | 9 | 35 - 130 | 26 | 50 |
| Hexachloroethane | 420 | U F1 | 8390 | 2630 | F1 | ug/Kg | ⊗ | 31 | 44 - 130 | 50 | 50 |
| Indeno[1,2,3-cd]pyrene | 420 | U F1 | 8390 | 2710 | F1 | ug/Kg | ⊗ | 32 | 52 - 130 | 46 | 50 |
| Isophorone | 420 | U F2 F1 | 8390 | 3110 | F2 F1 | ug/Kg | ⊗ | 37 | 48 - 130 | 53 | 50 |
| 2-Methylnaphthalene | 420 | U F2 F1 | 8390 | 3000 | F2 F1 | ug/Kg | ⊗ | 36 | 55 - 130 | 55 | 50 |
| 1-Methylnaphthalene | 420 | U F2 F1 | 8390 | 2900 | F2 F1 | ug/Kg | ⊗ | 35 | 48 - 130 | 52 | 50 |
| 2-Methylphenol | 420 | U F1 | 8390 | 2530 | F1 | ug/Kg | ⊗ | 30 | 49 - 130 | 50 | 50 |
| 3 & 4 Methylphenol | 420 | U F2 F1 | 8390 | 2570 | F2 F1 | ug/Kg | ⊗ | 31 | 50 - 130 | 54 | 50 |
| Naphthalene | 420 | U F2 F1 | 8390 | 3060 | F2 F1 | ug/Kg | ⊗ | 36 | 54 - 130 | 53 | 50 |
| 2-Nitroaniline | 2200 | U F2 F1 | 8390 | 3160 | F2 F1 | ug/Kg | ⊗ | 38 | 52 - 130 | 53 | 50 |

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: 680-190916-1 MSD****Matrix: Solid****Analysis Batch: 643945****Client Sample ID: SB-5****Prep Type: Total/NA****Prep Batch: 643645**

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | Limits | RPD | RPD | Limit |
|-----------------------------|-----------|-----------|---------------|--------|-----------|-------|---|------|----------|-----|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | | |
| 3-Nitroaniline | 2200 | U F1 | 8390 | 2720 | F1 | ug/Kg | ⊗ | 32 | 42 - 130 | 48 | 50 | 50 |
| 4-Nitroaniline | 2200 | U F2 F1 | 8390 | 2590 | F2 F1 | ug/Kg | ⊗ | 31 | 49 - 130 | 51 | 50 | 50 |
| Nitrobenzene | 420 | U F2 F1 | 8390 | 3010 | F2 F1 | ug/Kg | ⊗ | 36 | 43 - 130 | 57 | 50 | 50 |
| 2-Nitrophenol | 420 | U F2 F1 | 8390 | 2750 | F2 F1 | ug/Kg | ⊗ | 33 | 45 - 130 | 52 | 50 | 50 |
| 4-Nitrophenol | 2200 | U F2 | 16800 | 5230 | F2 | ug/Kg | ⊗ | 31 | 30 - 130 | 61 | 50 | 50 |
| N-Nitrosodi-n-propylamine | 420 | U F2 F1 | 8390 | 3000 | F2 F1 | ug/Kg | ⊗ | 36 | 48 - 130 | 51 | 50 | 50 |
| N-Nitrosodiphenylamine | 420 | U F1 | 8390 | 2640 | F1 | ug/Kg | ⊗ | 31 | 62 - 130 | 47 | 50 | 50 |
| Pentachlorophenol | 2200 | U F1 F2 | 16800 | 3500 | F2 F1 | ug/Kg | ⊗ | 21 | 38 - 131 | 52 | 50 | 50 |
| Phenanthrene | 420 | U F1 | 8390 | 3120 | F1 | ug/Kg | ⊗ | 37 | 61 - 130 | 49 | 50 | 50 |
| Phenol | 420 | U F2 F1 | 8390 | 3060 | F2 F1 | ug/Kg | ⊗ | 36 | 46 - 130 | 53 | 50 | 50 |
| Pyrene | 420 | U F1 | 8390 | 3060 | F1 | ug/Kg | ⊗ | 36 | 59 - 130 | 49 | 50 | 50 |
| 2,4,6-Trichlorophenol | 420 | U F1 | 8390 | 2770 | F1 | ug/Kg | ⊗ | 33 | 53 - 130 | 48 | 50 | 50 |
| 2,4,5-Trichlorophenol | 420 | U F1 | 8390 | 2980 | F1 | ug/Kg | ⊗ | 36 | 60 - 130 | 44 | 50 | 50 |
| MSD MSD | | | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | | |
| Nitrobenzene-d5 (Surr) | 34 | X | 37 - 115 | | | | | | | | | |
| 2-Fluorobiphenyl (Surr) | 34 | X | 41 - 116 | | | | | | | | | |
| Terphenyl-d14 (Surr) | 36 | X | 46 - 126 | | | | | | | | | |
| Phenol-d5 (Surr) | 32 | X | 38 - 122 | | | | | | | | | |
| 2-Fluorophenol (Surr) | 32 | X | 39 - 114 | | | | | | | | | |
| 2,4,6-Tribromophenol (Surr) | 27 | X | 45 - 129 | | | | | | | | | |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)**Lab Sample ID: MB 680-642977/16****Matrix: Solid****Analysis Batch: 642977****Client Sample ID: Method Blank****Prep Type: Total/NA**

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|-----------|-----------|----------|----------|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Gasoline Range Organics (GRO)-C6-C10 | 10 | U | 10 | 2.5 | mg/Kg | | | 11/08/20 18:06 | 100 |
| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | |
| a,a,a-Trifluorotoluene | 91 | | | | 70 - 131 | | | 11/08/20 18:06 | 100 |

Lab Sample ID: LCS 680-642977/14**Matrix: Solid****Analysis Batch: 642977****Client Sample ID: Lab Control Sample****Prep Type: Total/NA**

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | Limits | |
|--------------------------------------|-------|--------|-----------|-----------|----------|----------|----------|---------|
| | Added | Result | Qualifier | | | | | |
| Gasoline Range Organics (GRO)-C6-C10 | 50.0 | 48.5 | | mg/Kg | | 97 | 64 - 133 | |
| Surrogate | LCS | LCS | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene | 102 | 48.5 | | | 70 - 131 | | | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)
(Continued)
Lab Sample ID: LCSD 680-642977/15**Matrix: Solid****Analysis Batch: 642977****Client Sample ID: Lab Control Sample Dup****Prep Type: Total/NA**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD RPD | RPD Limit |
|---|-------------|-------------|----------------|-------|---|------|--------------|---------|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 50.0 | 49.6 | | mg/Kg | | 99 | 64 - 133 | 2 | 50 |
| <i>LCSD LCSD</i> | | | | | | | | | |
| <i>Surrogate %Recovery Qualifier Limits</i> | | | | | | | | | |
| a,a,a-Trifluorotoluene 104 70 - 131 | | | | | | | | | |

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)**Lab Sample ID: MB 680-642821/13-A****Matrix: Solid****Analysis Batch: 643095****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 642821**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 3.2 | U | 3.2 | 2.0 | mg/Kg | | 11/07/20 10:30 | 11/09/20 14:07 | 1 |
| <i>MB MB</i> | | | | | | | | | |
| <i>Surrogate %Recovery Qualifier Limits</i> | | | | | | | | | |
| o-Terphenyl (Surr) 75 45 - 130 11/07/20 10:30 11/09/20 14:07 1 | | | | | | | | | |

Lab Sample ID: LCS 680-642821/14-A**Matrix: Solid****Analysis Batch: 643095****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 642821**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | Dil Fac |
|--|-------------|------------|---------------|-------|---|------|--------------|---------|
| Diesel Range Organics [C10-C28] | 65.4 | 28.1 | | mg/Kg | | 43 | 35 - 130 | |
| <i>LCS LCS</i> | | | | | | | | |
| <i>Surrogate %Recovery Qualifier Limits</i> | | | | | | | | |
| o-Terphenyl (Surr) 42 X 45 - 130 11/07/20 08:56 11/10/20 18:21 1 | | | | | | | | |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**Lab Sample ID: MB 680-643237/17-A****Matrix: Solid****Analysis Batch: 643294****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 643237**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|--------------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 16 | U | 16 | 5.2 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1221 | 16 | U | 16 | 7.1 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1232 | 16 | U | 16 | 2.5 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1242 | 16 | U | 16 | 2.4 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1248 | 16 | U | 16 | 3.9 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1254 | 16 | U | 16 | 4.7 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| PCB-1260 | 16 | U | 16 | 4.5 | ug/Kg | | 11/10/20 08:56 | 11/10/20 18:21 | 1 |
| <i>MB MB</i> | | | | | | | | | |
| <i>Surrogate %Recovery Qualifier Limits</i> | | | | | | | | | |
| Tetrachloro-m-xylene 74 46 - 130 11/10/20 08:56 11/10/20 18:21 1 | | | | | | | | | |
| DCB Decachlorobiphenyl 83 54 - 133 11/10/20 08:56 11/10/20 18:21 1 | | | | | | | | | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**Lab Sample ID: LCS 680-643237/21-A****Matrix: Solid****Analysis Batch: 643294****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 643237**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|------------------------|------------------|------------------|------------------|-------|---|------|----------|
| PCB-1016 | 196 | 136 | | ug/Kg | | 69 | 43 - 130 |
| PCB-1260 | 196 | 155 | | ug/Kg | | 79 | 45 - 130 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| Tetrachloro-m-xylene | 73 | | 46 - 130 | | | | |
| DCB Decachlorobiphenyl | 83 | | 54 - 133 | | | | |

Lab Sample ID: 680-190916-1 MS**Matrix: Solid****Analysis Batch: 643294****Client Sample ID: SB-5****Prep Type: Total/NA****Prep Batch: 643237**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. |
|------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|
| PCB-1016 | 21 | U | 248 | 182 | | ug/Kg | ⊗ | 73 | 43 - 130 |
| PCB-1260 | 48 | F1 | 248 | 133 | F1 | ug/Kg | ⊗ | 34 | 45 - 130 |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | |
| Tetrachloro-m-xylene | 61 | | 46 - 130 | | | | | | |
| DCB Decachlorobiphenyl | 45 | X | 54 - 133 | | | | | | |

Lab Sample ID: 680-190916-1 MSD**Matrix: Solid****Analysis Batch: 643294****Client Sample ID: SB-5****Prep Type: Total/NA****Prep Batch: 643237**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. | RPD | RPD | Limit |
|------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------|-----|-----|-------|
| PCB-1016 | 21 | U | 257 | 182 | | ug/Kg | ⊗ | 71 | 43 - 130 | 0 | 0 | 50 |
| PCB-1260 | 48 | F1 | 257 | 132 | F1 | ug/Kg | ⊗ | 33 | 45 - 130 | 1 | 1 | 50 |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | | |
| Tetrachloro-m-xylene | 62 | | 46 - 130 | | | | | | | | | |
| DCB Decachlorobiphenyl | 43 | X | 54 - 133 | | | | | | | | | |

Method: 8290A - Dioxins and Furans (HRGC/HRMS)**Lab Sample ID: MB 140-44452/21-A****Matrix: Solid****Analysis Batch: 44705****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 44452**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|-----------------|-----|-------|------|---|----------------|----------------|---------|
| 2,3,7,8-TCDD | 1.0 | U | 1.0 | 0.089 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total TCDD | 1.0 | U | 1.0 | 0.089 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8-PeCDD | 0.0831 | J I | 5.0 | 0.026 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total PeCDD | 0.797 | J I | 5.0 | 0.026 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.162 | J I | 5.0 | 0.045 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,6,7,8-HxCDD | 0.0501 | J I | 5.0 | 0.042 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8,9-HxCDD | 5.0 | U | 5.0 | 0.041 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HxCDD | 0.212 | J I | 5.0 | 0.043 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,6,7,8-HpCDD | 0.137 | J I | 5.0 | 0.061 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HpCDD | 0.137 | J I | 5.0 | 0.061 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |

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QC Sample Results

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)**Lab Sample ID: MB 140-44452/21-A****Matrix: Solid****Analysis Batch: 44705****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 44452**

| Analyte | MB | | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|-----------|----------|-------|------|----------------|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| OCDD | 0.498 | J I | 10 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 2,3,7,8-TCDF | 1.0 | U | 1.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total TCDF | 1.0 | U | 1.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8-PeCDF | 5.0 | U | 5.0 | 0.050 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 2,3,4,7,8-PeCDF | 5.0 | U | 5.0 | 0.047 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total PeCDF | 5.0 | U | 5.0 | 0.050 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,7,8-HxCDF | 5.0 | U | 5.0 | 0.045 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,6,7,8-HxCDF | 5.0 | U | 5.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 2,3,4,6,7,8-HxCDF | 5.0 | U | 5.0 | 0.049 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,7,8,9-HxCDF | 5.0 | U | 5.0 | 0.060 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HxCDF | 5.0 | U | 5.0 | 0.060 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,6,7,8-HpCDF | 0.0826 | J I | 5.0 | 0.021 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| 1,2,3,4,7,8,9-HpCDF | 0.0940 | J I | 5.0 | 0.028 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| Total HpCDF | 0.177 | J I | 5.0 | 0.025 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| OCDF | 0.200 | J | 10 | 0.034 | pg/g | | 11/13/20 08:39 | 11/23/20 01:28 | 1 |
| MB | | MB | | | | | | | |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | Prepared | | Analyzed | Dil Fac |
| 13C-2,3,7,8-TCDD | 59 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,7,8-PeCDD | 51 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,4,7,8-HxCDD | 61 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,6,7,8-HxCDD | 70 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDD | 72 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-OCDD | 67 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-2,3,7,8-TCDF | 57 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,7,8-PeCDF | 51 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-2,3,4,7,8-PeCDF | 51 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,4,7,8-HxCDF | 68 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,6,7,8-HxCDF | 62 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-2,3,4,6,7,8-HxCDF | 65 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,7,8,9-HxCDF | 64 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,4,6,7,8-HpCDF | 71 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-1,2,3,4,7,8,9-HpCDF | 71 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |
| 13C-OCDF | 61 | | 40 - 135 | | | 11/13/20 08:39 | | 11/23/20 01:28 | 1 |

Lab Sample ID: LCS 140-44452/20-A**Matrix: Solid****Analysis Batch: 44705****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 44452**

| Analyte | Spike | | LCS | LCS | Unit | D | %Rec | Limits |
|---------------------|-------|--------|-----------|------|------|------|----------|--------|
| | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 2,3,7,8-TCDD | 20.0 | 19.1 | | pg/g | | 95 | 79 - 129 | |
| 1,2,3,7,8-PeCDD | 100 | 100 | | pg/g | | 100 | 79 - 129 | |
| 1,2,3,4,7,8-HxCDD | 100 | 106 | | pg/g | | 106 | 73 - 123 | |
| 1,2,3,6,7,8-HxCDD | 100 | 95.9 | | pg/g | | 96 | 74 - 124 | |
| 1,2,3,7,8,9-HxCDD | 100 | 110 | | pg/g | | 110 | 70 - 124 | |
| 1,2,3,4,6,7,8-HpCDD | 100 | 103 | | pg/g | | 103 | 73 - 123 | |
| OCDD | 200 | 211 | | pg/g | | 105 | 75 - 125 | |
| 2,3,7,8-TCDF | 20.0 | 21.9 | | pg/g | | 110 | 75 - 125 | |
| 1,2,3,7,8-PeCDF | 100 | 99.4 | | pg/g | | 99 | 74 - 124 | |
| 2,3,4,7,8-PeCDF | 100 | 105 | | pg/g | | 105 | 75 - 125 | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)**Lab Sample ID: LCS 140-44452/20-A****Matrix: Solid****Analysis Batch: 44705****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 44452**

| Analyte | | Spike | LCS | LCS | Unit | D | %Rec | Limits | %Rec. |
|-------------------------|--|-----------|-----------|-------------------------|------|-------------------------|------|-------------------------|-------|
| | | Added | Result | Qualifier | | | | | |
| 1,2,3,4,7,8-HxCDF | | 100 | 97.0 | | pg/g | | 97 | 75 - 125 | |
| 1,2,3,6,7,8-HxCDF | | 100 | 103 | | pg/g | | 103 | 76 - 126 | |
| 2,3,4,6,7,8-HxCDF | | 100 | 109 | | pg/g | | 109 | 76 - 126 | |
| 1,2,3,7,8,9-HxCDF | | 100 | 106 | | pg/g | | 106 | 77 - 127 | |
| 1,2,3,4,6,7,8-HpCDF | | 100 | 103 | | pg/g | | 103 | 77 - 127 | |
| 1,2,3,4,7,8,9-HpCDF | | 100 | 105 | | pg/g | | 105 | 73 - 123 | |
| OCDF | | 200 | 215 | | pg/g | | 108 | 49 - 128 | |
| <i>Isotope Dilution</i> | | LCS | LCS | <i>Isotope Dilution</i> | | <i>Isotope Dilution</i> | | <i>Isotope Dilution</i> | |
| <i>Isotope Dilution</i> | | %Recovery | Qualifier | <i>Isotope Dilution</i> | | <i>Isotope Dilution</i> | | <i>Isotope Dilution</i> | |
| 13C-2,3,7,8-TCDD | | 61 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,7,8-PeCDD | | 54 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,4,7,8-HxCDD | | 61 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,6,7,8-HxCDD | | 69 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,4,6,7,8-HpCDD | | 74 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-OCDD | | 72 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-2,3,7,8-TCDF | | 57 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,7,8-PeCDF | | 54 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-2,3,4,7,8-PeCDF | | 52 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,4,7,8-HxCDF | | 66 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,6,7,8-HxCDF | | 62 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-2,3,4,6,7,8-HxCDF | | 63 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,7,8,9-HxCDF | | 65 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,4,6,7,8-HpCDF | | 70 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-1,2,3,4,7,8,9-HpCDF | | 69 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |
| 13C-OCDF | | 62 | | 40 - 135 | | 40 - 135 | | 40 - 135 | |

Method: 6010C - Metals (ICP)**Lab Sample ID: MB 680-642620/1-A****Matrix: Solid****Analysis Batch: 643242****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 642620**

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Arsenic | 2.0 | U | 2.0 | 0.78 | mg/Kg | | 11/05/20 18:09 | 11/09/20 16:12 | 1 |
| Barium | 0.98 | U | 0.98 | 0.16 | mg/Kg | | 11/05/20 18:09 | 11/09/20 16:12 | 1 |
| Cadmium | 0.49 | U | 0.49 | 0.098 | mg/Kg | | 11/05/20 18:09 | 11/09/20 16:12 | 1 |
| Chromium | 0.98 | U | 0.98 | 0.21 | mg/Kg | | 11/05/20 18:09 | 11/09/20 16:12 | 1 |
| Silver | 0.98 | U | 0.98 | 0.059 | mg/Kg | | 11/05/20 18:09 | 11/09/20 16:12 | 1 |
| Lead | 0.98 | U | 0.98 | 0.33 | mg/Kg | | 11/05/20 18:09 | 11/09/20 16:12 | 1 |
| Selenium | 2.5 | U | 2.5 | 0.95 | mg/Kg | | 11/05/20 18:09 | 11/09/20 16:12 | 1 |

Lab Sample ID: LCS 680-642620/2-A**Matrix: Solid****Analysis Batch: 643242****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 642620**

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | Limits | %Rec. |
|---------|-------|--------|-----------|-------|---|------|----------|-------|
| | Added | Result | Qualifier | | | | | |
| Arsenic | 9.80 | 10.5 | | mg/Kg | | 107 | 80 - 120 | |
| Barium | 9.80 | 10.0 | | mg/Kg | | 102 | 80 - 120 | |
| Cadmium | 4.90 | 5.06 | | mg/Kg | | 103 | 80 - 120 | |

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QC Sample Results

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-642620/2-A

Matrix: Solid

Analysis Batch: 643242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642620

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|----------|----------------|---------------|------------------|-------|---|------|----------|
| | | | | | | | Limits |
| Chromium | 9.80 | 10.2 | | mg/Kg | | 104 | 80 - 120 |
| Silver | 4.90 | 5.04 | | mg/Kg | | 103 | 80 - 120 |
| Lead | 44.5 | 46.5 | | mg/Kg | | 105 | 80 - 120 |
| Selenium | 9.82 | 10.4 | | mg/Kg | | 106 | 80 - 120 |

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 680-643399/1-A

Matrix: Solid

Analysis Batch: 643805

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 643399

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------------|-----------------|-------|--------|-------|---|----------------|----------------|---------|
| | | | | | | | | | |
| Mercury | 0.020 | U | 0.020 | 0.0078 | mg/Kg | | 11/10/20 16:32 | 11/11/20 18:13 | 1 |

Lab Sample ID: LCS 680-643399/2-A

Matrix: Solid

Analysis Batch: 643805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643399

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|---------|----------------|---------------|------------------|-------|---|------|----------|
| | | | | | | | Limits |
| Mercury | 0.227 | 0.212 | | mg/Kg | | 93 | 80 - 120 |

Lab Sample ID: 680-190916-3 MS

Matrix: Solid

Analysis Batch: 643805

Client Sample ID: SB-7

Prep Type: Total/NA

Prep Batch: 643399

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|
| | | | | | | | | | Limits |
| Mercury | 0.093 | F1 | 0.113 | 0.174 | F1 | mg/Kg | ⊗ | 71 | 80 - 120 |

Lab Sample ID: 680-190916-3 MSD

Matrix: Solid

Analysis Batch: 643805

Client Sample ID: SB-7

Prep Type: Total/NA

Prep Batch: 643399

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. |
|---------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------|
| | | | | | | | | | RPD |
| Mercury | 0.093 | F1 | 0.111 | 0.180 | F1 | mg/Kg | ⊗ | 77 | 80 - 120 |

Eurofins TestAmerica, Savannah

QC Association Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

GC/MS VOA**Prep Batch: 642213**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 5035 | |
| 680-190916-2 | SB-6 | Total/NA | Solid | 5035 | |
| 680-190916-3 | SB-7 | Total/NA | Solid | 5035 | |
| 680-190916-4 | SB-8 | Total/NA | Solid | 5035 | |

Analysis Batch: 642425

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 680-190916-3 | SB-7 | Total/NA | Solid | 8260B | 642213 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 8260B | 642213 |
| MB 680-642425/11 | Method Blank | Total/NA | Solid | 8260B | |
| LCS 680-642425/7 | Lab Control Sample | Total/NA | Solid | 8260B | |
| LCSD 680-642425/8 | Lab Control Sample Dup | Total/NA | Solid | 8260B | |

Analysis Batch: 643496

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8260B | 642213 |
| 680-190916-2 | SB-6 | Total/NA | Solid | 8260B | 642213 |
| MB 680-643496/9 | Method Blank | Total/NA | Solid | 8260B | |
| LCS 680-643496/4 | Lab Control Sample | Total/NA | Solid | 8260B | |
| LCSD 680-643496/5 | Lab Control Sample Dup | Total/NA | Solid | 8260B | |

GC/MS Semi VOA**Prep Batch: 643645**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 3546 | |
| 680-190916-2 | SB-6 | Total/NA | Solid | 3546 | |
| 680-190916-3 | SB-7 | Total/NA | Solid | 3546 | |
| 680-190916-4 | SB-8 | Total/NA | Solid | 3546 | |
| MB 680-643645/16-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 680-643645/17-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| 680-190916-1 MS | SB-5 | Total/NA | Solid | 3546 | |
| 680-190916-1 MSD | SB-5 | Total/NA | Solid | 3546 | |

Analysis Batch: 643945

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8270D | 643645 |
| 680-190916-2 | SB-6 | Total/NA | Solid | 8270D | 643645 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 8270D | 643645 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 8270D | 643645 |
| MB 680-643645/16-A | Method Blank | Total/NA | Solid | 8270D | 643645 |
| LCS 680-643645/17-A | Lab Control Sample | Total/NA | Solid | 8270D | 643645 |
| 680-190916-1 MS | SB-5 | Total/NA | Solid | 8270D | 643645 |
| 680-190916-1 MSD | SB-5 | Total/NA | Solid | 8270D | 643645 |

GC VOA**Prep Batch: 642207**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 5035A | |
| 680-190916-2 | SB-6 | Total/NA | Solid | 5035A | |
| 680-190916-3 | SB-7 | Total/NA | Solid | 5035A | |

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QC Association Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

GC VOA (Continued)

Prep Batch: 642207 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-190916-4 | SB-8 | Total/NA | Solid | 5035A | |

Analysis Batch: 642977

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8015C | 642207 |
| 680-190916-2 | SB-6 | Total/NA | Solid | 8015C | 642207 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 8015C | 642207 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 8015C | 642207 |
| MB 680-642977/16 | Method Blank | Total/NA | Solid | 8015C | |
| LCS 680-642977/14 | Lab Control Sample | Total/NA | Solid | 8015C | |
| LCSD 680-642977/15 | Lab Control Sample Dup | Total/NA | Solid | 8015C | |

GC Semi VOA

Prep Batch: 642821

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 3546 | |
| 680-190916-2 | SB-6 | Total/NA | Solid | 3546 | |
| 680-190916-3 | SB-7 | Total/NA | Solid | 3546 | |
| 680-190916-4 | SB-8 | Total/NA | Solid | 3546 | |
| MB 680-642821/13-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 680-642821/14-A | Lab Control Sample | Total/NA | Solid | 3546 | |

Analysis Batch: 643095

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8015C | 642821 |
| 680-190916-2 | SB-6 | Total/NA | Solid | 8015C | 642821 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 8015C | 642821 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 8015C | 642821 |
| MB 680-642821/13-A | Method Blank | Total/NA | Solid | 8015C | 642821 |
| LCS 680-642821/14-A | Lab Control Sample | Total/NA | Solid | 8015C | 642821 |

Prep Batch: 643237

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 3546 | |
| 680-190916-2 | SB-6 | Total/NA | Solid | 3546 | |
| 680-190916-3 | SB-7 | Total/NA | Solid | 3546 | |
| 680-190916-4 | SB-8 | Total/NA | Solid | 3546 | |
| MB 680-643237/17-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 680-643237/21-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| 680-190916-1 MS | SB-5 | Total/NA | Solid | 3546 | |
| 680-190916-1 MSD | SB-5 | Total/NA | Solid | 3546 | |

Analysis Batch: 643294

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8082A | 643237 |
| MB 680-643237/17-A | Method Blank | Total/NA | Solid | 8082A | 643237 |
| LCS 680-643237/21-A | Lab Control Sample | Total/NA | Solid | 8082A | 643237 |
| 680-190916-1 MS | SB-5 | Total/NA | Solid | 8082A | 643237 |
| 680-190916-1 MSD | SB-5 | Total/NA | Solid | 8082A | 643237 |

QC Association Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

GC Semi VOA

Analysis Batch: 643411

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-190916-2 | SB-6 | Total/NA | Solid | 8082A | 643237 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 8082A | 643237 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 8082A | 643237 |

Specialty Organics

Prep Batch: 44452

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8290 | 8 |
| 680-190916-2 | SB-6 | Total/NA | Solid | 8290 | 9 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 8290 | 10 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 8290 | 11 |
| MB 140-44452/21-A | Method Blank | Total/NA | Solid | 8290 | 12 |
| LCS 140-44452/20-A | Lab Control Sample | Total/NA | Solid | 8290 | 13 |

Analysis Batch: 44705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8290A | 44452 |
| MB 140-44452/21-A | Method Blank | Total/NA | Solid | 8290A | 44452 |
| LCS 140-44452/20-A | Lab Control Sample | Total/NA | Solid | 8290A | 44452 |

Analysis Batch: 44717

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-190916-2 | SB-6 | Total/NA | Solid | 8290A | 44452 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 8290A | 44452 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 8290A | 44452 |

Analysis Batch: 44752

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 8290A | 44452 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 8290A | 44452 |

Metals

Prep Batch: 642620

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 3050B | |
| 680-190916-2 | SB-6 | Total/NA | Solid | 3050B | |
| 680-190916-3 | SB-7 | Total/NA | Solid | 3050B | |
| 680-190916-4 | SB-8 | Total/NA | Solid | 3050B | |
| MB 680-642620/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 680-642620/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |

Analysis Batch: 643242

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-2 | SB-6 | Total/NA | Solid | 6010C | 642620 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 6010C | 642620 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 6010C | 642620 |
| MB 680-642620/1-A | Method Blank | Total/NA | Solid | 6010C | 642620 |
| LCS 680-642620/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 642620 |

QC Association Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Metals**Prep Batch: 643399**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 7471B | |
| 680-190916-2 | SB-6 | Total/NA | Solid | 7471B | |
| 680-190916-3 | SB-7 | Total/NA | Solid | 7471B | |
| 680-190916-4 | SB-8 | Total/NA | Solid | 7471B | |
| MB 680-643399/1-A | Method Blank | Total/NA | Solid | 7471B | |
| LCS 680-643399/2-A | Lab Control Sample | Total/NA | Solid | 7471B | |
| 680-190916-3 MS | SB-7 | Total/NA | Solid | 7471B | |
| 680-190916-3 MSD | SB-7 | Total/NA | Solid | 7471B | |

Analysis Batch: 643606

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 6010C | 642620 |

Analysis Batch: 643805

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | 7471B | 643399 |
| 680-190916-2 | SB-6 | Total/NA | Solid | 7471B | 643399 |
| 680-190916-3 | SB-7 | Total/NA | Solid | 7471B | 643399 |
| 680-190916-4 | SB-8 | Total/NA | Solid | 7471B | 643399 |
| MB 680-643399/1-A | Method Blank | Total/NA | Solid | 7471B | 643399 |
| LCS 680-643399/2-A | Lab Control Sample | Total/NA | Solid | 7471B | 643399 |
| 680-190916-3 MS | SB-7 | Total/NA | Solid | 7471B | 643399 |
| 680-190916-3 MSD | SB-7 | Total/NA | Solid | 7471B | 643399 |

General Chemistry**Analysis Batch: 643519**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 680-190916-1 | SB-5 | Total/NA | Solid | Moisture | |
| 680-190916-2 | SB-6 | Total/NA | Solid | Moisture | |
| 680-190916-3 | SB-7 | Total/NA | Solid | Moisture | |
| 680-190916-4 | SB-8 | Total/NA | Solid | Moisture | |

Lab Chronicle

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-5

Date Collected: 11/02/20 15:15

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643519 | 11/11/20 12:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: SB-5

Date Collected: 11/02/20 15:15

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-1

Matrix: Solid

Percent Solids: 77.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.761 g | 5 mL | 642213 | 11/04/20 09:09 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 643496 | 11/11/20 15:49 | Y1S | TAL SAV |
| Instrument ID: CMSAB | | | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.27 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 17:02 | T1C | TAL SAV |
| Instrument ID: CMSN | | | | | | | | | | |
| Total/NA | Prep | 5035A | | | 4.809 g | 5 mL | 642207 | 11/04/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 642977 | 11/08/20 18:29 | DBM | TAL SAV |
| Instrument ID: CVGWFID1 | | | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.76 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 16:10 | JCK | TAL SAV |
| Instrument ID: CSGAB1 | | | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.12 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643294 | 11/10/20 21:19 | JCK | TAL SAV |
| Instrument ID: CSGK | | | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.01 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44752 | 11/24/20 14:45 | MSD | TAL KNX |
| Instrument ID: D12C | | | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.01 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44705 | 11/23/20 06:33 | LKM | TAL KNX |
| Instrument ID: D2A | | | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.13 g | 100 mL | 642620 | 11/06/20 09:30 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 10 | | | 643606 | 11/11/20 13:17 | BCB | TAL SAV |
| Instrument ID: ICPE | | | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.52 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | | | 643805 | 11/11/20 19:34 | BCB | TAL SAV |
| Instrument ID: LEEMAN2 | | | | | | | | | | |

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643519 | 11/11/20 12:00 | WRB | TAL SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-6

Date Collected: 11/02/20 14:40

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-2

Matrix: Solid

Percent Solids: 79.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 6.234 g | 5 mL | 642213 | 11/04/20 09:09 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 643496 | 11/11/20 16:12 | Y1S | TAL SAV |
| | | Instrument ID: CMSAB | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.23 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 17:26 | T1C | TAL SAV |
| | | Instrument ID: CMSN | | | | | | | | |
| Total/NA | Prep | 5035A | | | 5.33 g | 5 mL | 642207 | 11/04/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 642977 | 11/08/20 18:51 | DBM | TAL SAV |
| | | Instrument ID: CVGWFID1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.31 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 16:26 | JCK | TAL SAV |
| | | Instrument ID: CSGAB1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.63 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643411 | 11/11/20 00:17 | JCK | TAL SAV |
| | | Instrument ID: CSGK | | | | | | | | |
| Total/NA | Prep | 8290 | | | 9.88 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44717 | 11/23/20 13:30 | MSD | TAL KNX |
| | | Instrument ID: D2A | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.03 g | 100 mL | 642620 | 11/06/20 09:30 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643242 | 11/09/20 18:31 | BCB | TAL SAV |
| | | Instrument ID: ICPE | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.59 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | | | 643805 | 11/11/20 19:30 | BCB | TAL SAV |
| | | Instrument ID: LEEMAN2 | | | | | | | | |

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643519 | 11/11/20 12:00 | WRB | TAL SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid

Percent Solids: 77.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.975 g | 5 mL | 642213 | 11/04/20 09:09 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 642425 | 11/05/20 17:51 | SMP | TAL SAV |
| | | Instrument ID: CMSAB | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.32 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 17:50 | T1C | TAL SAV |
| | | Instrument ID: CMSN | | | | | | | | |

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-7

Date Collected: 11/02/20 13:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-3

Matrix: Solid

Percent Solids: 77.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035A | | | 5.03 g | 5 mL | 642207 | 11/04/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 642977 | 11/08/20 19:14 | DBM | TAL SAV |
| | | Instrument ID: CVGWFID1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.58 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 16:41 | JCK | TAL SAV |
| | | Instrument ID: CSGAB1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.53 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643411 | 11/11/20 00:33 | JCK | TAL SAV |
| | | Instrument ID: CSGK | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.42 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44752 | 11/24/20 13:37 | MSD | TAL KNX |
| | | Instrument ID: D12C | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.42 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44717 | 11/23/20 14:32 | MSD | TAL KNX |
| | | Instrument ID: D2A | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.04 g | 100 mL | 642620 | 11/06/20 09:30 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643242 | 11/09/20 18:46 | BCB | TAL SAV |
| | | Instrument ID: ICPE | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.51 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | | | 643805 | 11/11/20 18:23 | BCB | TAL SAV |
| | | Instrument ID: LEEMAN2 | | | | | | | | |

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 643519 | 11/11/20 12:00 | WRB | TAL SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

Percent Solids: 83.4

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 6.366 g | 5 mL | 642213 | 11/04/20 09:09 | FES | TAL SAV |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 g | 642425 | 11/05/20 18:14 | SMP | TAL SAV |
| | | Instrument ID: CMSAB | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.43 g | 1 mL | 643645 | 11/12/20 10:37 | MEW | TAL SAV |
| Total/NA | Analysis | 8270D | | 1 | | | 643945 | 11/13/20 18:13 | T1C | TAL SAV |
| | | Instrument ID: CMSN | | | | | | | | |
| Total/NA | Prep | 5035A | | | 6.271 g | 5 mL | 642207 | 11/04/20 08:50 | FES | TAL SAV |
| Total/NA | Analysis | 8015C | | 100 | 5 mL | 5 mL | 642977 | 11/08/20 19:37 | DBM | TAL SAV |
| | | Instrument ID: CVGWFID1 | | | | | | | | |

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Total Environmental Concepts Inc.
 Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Client Sample ID: SB-8

Date Collected: 11/02/20 12:30

Date Received: 11/03/20 09:30

Lab Sample ID: 680-190916-4

Matrix: Solid

Percent Solids: 83.4

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|------------------------|-----|---------------|-------------------|-----------------|-----------------|-------------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 15.40 g | 1 mL | 642821 | 11/07/20 10:30 | MEW | TAL SAV |
| Total/NA | Analysis | 8015C | | 1 | | | 643095 | 11/09/20 16:57 | JCK | TAL SAV |
| | | Instrument ID: CSGAB1 | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.45 g | 5 mL | 643237 | 11/10/20 08:56 | MEW | TAL SAV |
| Total/NA | Analysis | 8082A | | 1 | | | 643411 | 11/11/20 00:49 | JCK | TAL SAV |
| | | Instrument ID: CSGK | | | | | | | | |
| Total/NA | Prep | 8290 | | | 10.35 g | 20 uL | 44452 | 11/13/20 08:39 | SSS | TAL KNX |
| Total/NA | Analysis | 8290A | | 1 | | | 44717 | 11/23/20 15:33 | MSD | TAL KNX |
| | | Instrument ID: D2A | | | | | | | | |
| Total/NA | Prep | 3050B | | | 1.05 g | 100 mL | 642620 | 11/06/20 09:30 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | | | 643242 | 11/09/20 18:51 | BCB | TAL SAV |
| | | Instrument ID: ICPE | | | | | | | | |
| Total/NA | Prep | 7471B | | | 0.54 g | 50 mL | 643399 | 11/10/20 16:32 | BCB | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | | | 643805 | 11/11/20 18:37 | BCB | TAL SAV |
| | | Instrument ID: LEEMAN2 | | | | | | | | |

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Virginia | NELAP | 10509 | 06-14-21 |

Laboratory: Eurofins TestAmerica, Knoxville

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Virginia | NELAP | 460176 | 09-14-21 |

Method Summary

Client: Total Environmental Concepts Inc.
Project/Site: Stafford County Parcel 4598

Job ID: 680-190916-1

| Method | Method Description | Protocol | Laboratory |
|----------|--|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL SAV |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL SAV |
| 8015C | Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) | SW846 | TAL SAV |
| 8015C | Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) | SW846 | TAL SAV |
| 8082A | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | TAL SAV |
| 8290A | Dioxins and Furans (HRGC/HRMS) | SW846 | TAL KNX |
| 6010C | Metals (ICP) | SW846 | TAL SAV |
| 7471B | Mercury (CVAA) | SW846 | TAL SAV |
| Moisture | Percent Moisture | EPA | TAL SAV |
| 3050B | Preparation, Metals | SW846 | TAL SAV |
| 3546 | Microwave Extraction | SW846 | TAL SAV |
| 5035 | Closed System Purge and Trap | SW846 | TAL SAV |
| 5035A | Closed System Purge & Trap/Field Methanol | SW846 | TAL SAV |
| 7471B | Preparation, Mercury | SW846 | TAL SAV |
| 8290 | Soxhlet Extraction of Dioxins and Furans | SW846 | TAL KNX |

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

eurofins Environment Testing America

Chain of Custody Record

| Client Information | | Sampler: <u>William Scott Huber</u> | Lab PM: Smith, Kaitlyn E | Carrier Tracking No(s): COC No. 680-119229-45466.1 |
|---|---------|-------------------------------------|------------------------------------|--|
| | | Phone: 571-229-9881 | E-Mail: Kathy.Smith@Eurofinsel.com | Page: Page 1 of 1 |
| Analysis Requested | | | | |
| Job #: 2435_0002 | | | | |
| Preservation Codes: | | | | |
| M - Hexane A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anhydride H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: Total Number of containers | | | | |
| 7432 Albian Station Blvd Suite B-252 City: Springfield State: VA, 22150 Phone: 703-567-4346(Tel) 703-567-3487(Fax) Email: wshuber@teci.pro Project Name: Stafford, VA Site: Stafford County Parcel 45 98 SSIOW#: | | | | |
| Due Date Requested: TAT Requested (days): 10 PO #: Purchase Order not required WO #: Field Filtered Sample (Yes or No): Perfomr MS/MSD (Yes or No): 8290A - 17 Isomers + Totals Moisture - Local Method | | | | |
| Matrix: N = Water, S = Solid, O = Extract, B = Tissue, A = Au | | | | |
| Field Filtered Sample (Yes or No): Perfomr MS/MSD (Yes or No): 8015C - DR0, 8082A, 8270D 6010C, 7471B 8260B - Routine TAL SOIL 8015C - GRO - Gasoline Range Organics 8290A - 17 Isomers + Totals Moisture - Local Method | | | | |
| Special Instructions/Note:  680-190916 Chain of Custody | | | | |
| Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=Grab) Preservation Code | | | | |
| SB-5 | 11/1/10 | 1515 | G | Solid |
| SB-6 | | 1440 | | Solid |
| SB-7 | | 1330 | | Solid |
| SB-8 | | 1230 | V | Solid |
| | | | | Solid |
| Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | |
| Deliverable Requested: I, II, III, IV. Other (specify) | | | | |
| Empty Kit Relinquished by: <u>William Scott Huber</u> Date: 11/2/10 Time: <u>10:00 AM</u> Method of Shipment: <input checked="" type="checkbox"/> Disposal By Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months | | | | |
| Relinquished by: <u>William Scott Huber</u> Date/Time: 11/2/10 Received by: <u>John Daugler</u> Company: TEC | | | | |
| Relinquished by: Date/Time: Received by: Company: | | | | |
| Relinquished by: Date/Time: Received by: Company: | | | | |
| Custody Seals intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: <u>Z.6.(AF)2.9e</u> Cooler Temperature(s) °C and Other Remarks: | | | | |

Eurofins TestAmerica, Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins

Environment Testing
America

| Client Information (Sub Contract Lab) | | Sampler: | Lab P.M.: Smith, Kathryn E | Carrier Tracking No(s): | COC No: 680-631753-1 |
|--|---|---|-------------------------------|--|-------------------------|
| Client Contact: | Phone: | E-Mail: Kathy.Smith@EurofinsTest.com | State of Origin: | Virginia | Page: |
| Shipping/Receiving Company: | Accreditations Required (See note): NELAP - Virginia | | | | |
| TestAmerica Laboratories, Inc. | Address: | Due Date Requested: | Analysis Requested | | |
| 5815 Middlebrook Pike, City: Knoxville | City: Knoxville | TAT Requested (days): | | | |
| State, Zip: TN, 37211 | State, Zip: TN, 37211 | PO #: | | | |
| Phone: 865-291-3000(Tel) 865-584-4315(Fax) | Email: | WO #: | | | |
| Project Name: Stafford County Parcel 4558 | Site: | Project #: 68024613 | | | |
| SSOW#: | | SSOW#: | | | |
| Total Number of Containers: | | | | | |
| Preservation Codes: | | | | | |
| A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ammonium H - Ascorbic Acid I - Ice J - Di Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylamine U - Acetone V - MCAA W - pH 4.5 Z - other (specify) Other: | | | | | |
| Special Instructions/Note: | | | | | |
| X 8290A/8290-P_Sox 17 Isomers + Totals Petroform MS/MS (yes or No) | | | | | |
| Field Filled Sample ID (yes or No) | | | | | |
| Sample Identification - Client ID (Lab ID) | | | | | |
| SB-5 (680-1909-16-1) | Sample Date: 11/2/20 | Sample Time: 15:15 | Sample Type: Solid | Matrix: (Water, Sediment, Oil, Extract, Ash, etc.) | Preservation Code: X |
| SB-6 (680-1909-16-2) | 11/2/20 | 14:40 | Solid | X | X |
| SB-7 (680-1909-16-3) | 11/2/20 | 13:30 | Solid | X | X |
| SB-8 (680-1909-16-4) | 11/2/20 | 12:30 | Solid | X | X |
| CUSTODY SEALS INTACT | | | | | |
| RELENTS RT 02/CT13/C | | | | | |
| 11-4-20 | | | | | |
| \ CONN TEST RT# 132894118497 P0 | | | | | |
| 680-190916 Chain of Custody | | | | | |
| Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analysis & accreditation compliance upon out subcontract laboratories to maintain accreditation in the State of Origin listed above for a analysis/test/ matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica. | | | | | |
| Empty Hazard Identification | | | | | |
| Unconfirmed | | | | | |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | | | |
| Primary Deliverable Rank: 2 | | | | | |
| Special Instructions/QC Requirements: | | | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | |
| <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | |
| Method of Shipment: | | | | | |
| Relinquished by: | Date/Time: 11-2-20/17 17 | Received by: | Date/Time: 11-20 091337 | Company: | Company: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Company: | Company: |
| Custody Seals Intact: Custody Seal No.: | | | | | |
| Cooler Temperature(s) °C and Other Remarks: Δ Yes Δ No | | | | | |

1 2 3 4 5 6 7 8 9 10 11 12 13

Ver: 01/16/2019

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

| Review Items | Yes | No | NA | If No, what was the problem? | Comments/Actions Taken |
|---|-------------------------------------|--------------------------|--------------------------|---|------------------------|
| 1. Are the shipping containers intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Containers, Broken <input type="checkbox"/> Checked in lab | |
| 2. Were ambient air containers received intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Yes <input type="checkbox"/> NA | |
| 3. The coolers/containers custody seal if present, is it intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 4. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C) Thermometer ID: <u>5U68</u> Correction factor: <u>+0.1°C</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Cooler Out of Temp, Client Contacted; Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt | |
| 5. Were all of the sample containers received intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Containers, Broken | |
| 6. Were samples received in appropriate containers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel | |
| 7. Do sample container labels match COC? (IDs, Dates, Times) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received | |
| 8. Were all of the samples listed on the COC received? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received | |
| 9. Is the date/time of sample collection noted? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> COC; No Date/Time; Client Contacted | |
| 10. Was the sampler identified on the COC? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Sampler Not Listed on COC | |
| 11. Is the client and project name/# identified? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 12.. Are tests/parameters listed for each sample? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> COC No tests on COC | |
| 13. Is the matrix of the samples noted? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 14. Was COC relinquished? (Signed/Dated/Timed) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 15. Were samples received within holding time? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Holding Time - Receipt | |
| 16. Were samples received with correct chemical preservative (excluding Encore)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative | |
| 17. Were VOA samples received without headspace? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Headspace (VOA only) <input type="checkbox"/> Residual Chlorine | |
| 18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> If no, notify lab to adjust <input type="checkbox"/> Project missing info | |
| 19. For 1613B water samples is pH<9? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 20. For rad samples was sample activity info. Provided? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| Project #: | | | | | PM Instructions: |
| Sample Receiving Associate: | <u>Wendy</u> | | | | Date: <u>11/14/20</u> |
| | | | | | QA026R32.doc, 062719 |

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Login Sample Receipt Checklist

Client: Total Environmental Concepts Inc.

Job Number: 680-190916-1

Login Number: 190916**List Source: Eurofins TestAmerica, Savannah****List Number: 1****Creator: Banda, Christy S**

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |