



595831 Ontario Inc. 650A Eagleson Road Kanata, Ontario K2M 1H4

Attention: Ms. Jade Hawkins

General Manager

Re: Remedial Soil Excavation

5646 and 5650 Manotick Main Street, Ottawa, ON

Dear Ms. Hawkins:

Terrapex Environmental Ltd. (Terrapex) was retained by 595831 Ontario Inc. (the Client, also known as Hawkins Properties) to provide management and environmental consultant services during a soil remediation at the adjacent properties with the municipal addresses of 5646 and 5650 Manotick Main Street in Ottawa, Ontario (hereafter collectively referred to as the Site). This report documents the remedial work completed at the Site between April 10, 2024, and April 25, 2024.

It is understood that the Client plans to redevelop the Site with a restaurant building and the purpose of the remediation is being completed in order to address City of Ottawa Site Plan Control comments requesting that the soil contamination present at the Site related to the former use of the Site as a retail fuel outlet be remediated prior to redevelopment.

The Site location is provided in Figure 1.

SITE DESCRIPTION

The Site is located on the southwest side of Manotick Main Street, located to the west of the intersection with Mahogany Harbour Lane in Ottawa, Ontario. The Site is composed of two municipal addresses: 5646 Manotick Main Street pertaining to the northern portion of the Site, and 5650 Manotick Main Street pertaining to the southern portion of the Site. The Site is irregular in shape and occupies a total area of 4,090 m². The general Site layout is provided in Figure 2.

BACKGROUND

Terrapex previously completed a Phase One Environmental Assessment (ESA) for the Site. The findings were provided in the report entitled *Phase One Environmental Site Assessment, 5646 & 5650 Manotick Main Street Ottawa, Ontario,* dated December 16, 2022.

Based on the available information the Site was developed between 1946 and 1959. The northern portion of the Site (5646 Manotick Main Street) was a retail fuel outlet from 1965 to 2004. The northern portion of the Site is currently operated as a carwash with two residential units on the upper floor of the building. The southern portion of the Site (5650 Manotick Main Street) was developed into a residential property in 1940s.

Based on the review, evaluation, and interpretation of the information obtained from the records review, interviews, and Site reconnaissance completed as part of the Phase One ESA, four on-Site Potential Contaminating Activities (PCAs) and two off-Site PCAs relating to activities or incidents within the Phase One study area were identified. The four on-Site PCAs were determined to contribute to Areas of Potential Environmental Concern (APECs) on the Phase One property, as described below:

PCA 1/APEC 1(A/B): The former underground storage tanks (USTs) and associated fuel pumps related to the former use of the Site as retail fuel outlet.

PCA 2 / APEC 2: The presence of fill of unknown quality and unknown origin during redevelopment of the Site in 1965.

PCA 3 / APEC 3: The former use of the commercial building as an automotive garage.

PCA 6 / APEC 4: Staining underneath the ride on lawn mower in the white shed.

PCA 7 / APEC 5: Carwash effluent emanating from the septic system.

Terrapex completed a Phase II Environmental Assessment (ESA) (referred to as the "2022 Phase II ESA") for the Site in the fall 2022 in conjunction with a geotechnical investigation. The findings were provided in the report entitled *Phase II Environmental Site Assessment, 5646 & 5650 Manotick Main Street, Manotick (Ottawa), Ontario,* dated December 16, 2022.

To provide additional soil and groundwater information, Terrapex completed a supplemental Phase Two Environmental Assessment (ESA) (referred to as the "2023 Phase Two ESA") for the Site in the fall 2023. The findings were provided in the report entitled *Phase Two Environmental Site Assessment, 5646 & 5650 Manotick Main Street, Ottawa, Ontario,* dated November 1, 2023. The following is a summary of both reports.

During the 2022 Phase II ESA, a total of thirteen boreholes (MW101, BH102 to BH108, MW109, BH 110, MW111, MW112 and BH113) were drilled across the Site to depths between 1.2 and 9.3 metres below grade (m bg), with four of the twelve boreholes completed as monitoring wells (MW101, MW109, MW111, and MW112). The sampling locations were selected to investigate, in part, the previously identified APECs and for geotechnical purposes at the proposed building locations. Select soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (collectively BTEX), petroleum hydrocarbon (PHC) F1 to F4 fractions (PHC F1 to F4), metals and inorganics.



To further investigate certain APECs, a supplemental investigation was completed in October 2023 that consisted of six additional boreholes (MW201, BH202, BH203, MW204, BH205 and MW206) were drilled to depths between 3.9 and 6.1 m bg, with three of the boreholes completed as monitoring wells (MW101, MW204 and MW206). Select soil and groundwater samples were submitted for laboratory analysis of BTEX, PHC F1 to F4, volatile organic compounds (VOCs), metals and inorganics and/or polycyclic aromatic hydrocarbons (PAHs).

Site Condition Standards (SCS) were determined using the criteria established by Ontario Regulation (O. Reg.) 153/04 Records of Site Condition - Part XV.1 of the Act. Based on the intended future use of the Site, the SCS for industrial/commercial/community land use in a potable groundwater situation, with medium to fine textured soil, as specified in Table 2 (hereafter referred to as the Table 2 SCS) of the Ministry of the Environment, Conservation, and Parks (MECP) April 15, 2011, Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the "Environmental Protection Act" document (hereafter referenced as the Standards) were used to evaluate the laboratory analytical results.

A conceptual site model (CSM) for the Site was developed based on the results of the 2022 and 2023 assessments. Soil analytical results indicated that concentrations of the analytes in the soil samples submitted for analysis did not exceed the Table 2 SCS with the following exceptions:

- Concentrations of ethylbenzene and PHC F1 fraction were greater than the Table 2 SCS in sample MW112-2 (and blind duplicate sample MW112-12);
- Concentration of PHC F1 fraction was greater than the Table 2 SCS in sample MW204-4 (and blind duplicate sample MW1000);
- Concentrations of benzene and/or ethylbenzene were greater than the Table 2 SCS in samples BH205-3 and BH205-6 (benzene only);
- Concentrations of vanadium were greater than the Table 2 SCS in sample MW109-1B and MW3000 (blind duplicate of sample MW206-2);
- Electrical conductivity (EC) was greater than the Table 2 SCS in sample BH105-2; and,
- Sodium adsorption ratio (SAR) was greater than the Table 2 SCS in soil sample MW3000 (blind duplicate of sample MW206-2).

Laboratory analysis indicated that concentrations of the analytes in all groundwater samples submitted for analysis did not exceed the Table 2 SCS with the following exceptions:

- Groundwater sample MW112 (and its blind duplicate sample MW122) had concentrations of benzene and ethylbenzene greater than the Table 2 SCS; and,
- Groundwater sample MW206 had concentrations of chloride greater than the Table 2 SCS.



Terrapex recommended that a soil remediation be completed to remove the PHC impacted soil that exceeds the Table 2 SCS. The PHC impacts appeared related to the former pump island and UST tank nest from the former retail fuel outlet. A figure showing the PHC analytical results from the previous assessments (and also including test pits excavated as part of the current work program, further discussed below) prior to the site remediation are provided in Figure 3.

Note that concentrations of vanadium were greater than the Table 2 SCS in sample MW109-1B and MW3000 (blind duplicate of sample MW206-2). However, the vanadium concentrations were considered to be related to naturally elevated background concentrations in Ottawa Valley clay soils (Champlain Sea Clay) and the Table 2 SCS are not considered to have been exceeded in these two sampling locations based on O. Reg 153/04 Section 49.1 (3).

Further, EC was greater than the Table 2 SCS in sample BH105-2. However, the sample was collected from the parking lot area where road salt has been applied during the wintertime for safety of vehicles and pedestrian traffic. Based on the opinion of the Qualified Person (QP), the value for EC was deemed to have met the Table 2 SCS based on O. Reg 153/04 section 49.1 (1).

The concentrations of chloride in groundwater and SAR in soil (sample MW206-2) collected from borehole/monitoring well MW206 was likely the result of the effluent emanating from the carwash discharged through the septic system in the western portion of the Site.

STRATIGRAPHY AND HYDROGEOLOGY

A 0.05 to 0.09 m layer of asphalt was present in the surface material for borehole BH202 and BH205, followed by a silty sand layer between 0.1 and 1.5 m bg. At borehole BH203 the silty sand layer was present at surface to a depth of 1.5 m bg. Borehole MW204, drilled in the former UST nest where sandy silt material was encountered from surface to 3.8 m bg. At borehole MW201 (drilled within the building on the 5646 Manotick Main Street property), a 0.10 m thick concrete slab was encountered at surface underlain by a gravel layer from 0.1 to 1.6 m bg. Underlying the silty sand and the gravel layer at these boreholes was a native clayey silt and or silty clay layer to the maximum depth of the investigation (6.1 m bg). Bedrock was not encountered during the investigation.

Based on monitoring data from October 2023, the depth to groundwater ranged from 1.32 m bg at MW204 to 3.09 m bg at MW109. The shallow horizontal groundwater flow across the Site was interpreted to the west/southwest towards Mahogany Creek located to the west of the Site. This groundwater flow direction is similar to the groundwater flow direction observed during the 2022 Phase II ESA. It is possible that the northern portions of the Site may be expected to have a flow direction towards the north towards the Rideau River (i.e., a hydrological divide is located on the Site).



SITE CONDITION STANDARDS

The Site-specific details which influenced the soil and groundwater standards selection (as determined during the previous Phase Two ESA) are summarized below:

- the Site is not within or adjacent to an area of natural significance as defined within Section 1 (1) of O. Reg. 153/04, and it does not include any land within 30 m of an area of natural significance, and is not otherwise considered "potentially sensitive";
- the pH determined for "surface" soil samples (representative of depths not exceeding 1.5 m below ground surface, excluding any surface treatment) analysed as part of this Phase Two ESA (including previous results) ranged from 7.14 to 8.16, which is between the prescribed values of 5 to 9 for the application of generic SCS;
- the pH determined for "subsurface" soil samples (representative of depths greater than 1.5 m below ground surface, excluding any surface treatment) analysed as part of this Phase Two ESA (including previous results) ranged from 7.27 to 8.09, which is between the prescribed values of 5 to 11 for the application of generic SCS;
- more than 2 m of overburden was observed over at least two-thirds of the area of the Site;
- the Site is not located within 30 m of a waterbody;
- stratified site conditions will not be used when evaluating laboratory analytical results;
- proposed future use of the Site is expected to be commercial;
- the Site and properties located (in whole or in part) within 250 m of the Site have a wells
 that are used or are intended for use as a source of water for human consumption or for
 agriculture; and,
- the Site is not located in an area designated in a municipal Official Plan as a well-head protection area, or another designation by the municipality intended for the protection of groundwater; and,
- soil texture at the Site has been classified as "fine- to medium-textured" based on the result of grain size analysis conducted for three representative soil samples.

Based on the preceding information and assumptions, the SCS applicable for industrial/commercial/community land use for fine- to medium-textured soil in a potable groundwater condition that are described in Table 2 of the *Standards* have been selected for evaluating laboratory analytical results from the Site at this time.

Analytical results of the imported fill samples were compared to the Table 1 SCS, representative of background concentrations.



OBJECTIVES

The objective of the work is to remediate all PHC impacted soil at the Site to meet the Table 2 SCS. It is understood that a Record of Site Condition (RSC) in accordance with the requirements of Ontario Regulation (O. Reg.) 153/04 is not required as there is no intended change in land use (i.e., the Site will remain for commercial use).

SCOPE OF WORK

Terrapex's scope of work was conducted in general accordance with the Terrapex proposal entitled *Proposal for Supervision of Remediation 5646 and 5650 Manotick Main Street, Ottawa, ON,* dated April 3, 2024. Terrapex's scope of work included the following:

- Completing the notification on the Resource Productivity and Resource Authority (RRPA) registry as required by O. Reg. 406/19 (On-Site and Excess Soil Management) on behalf of the Client.
- Overseeing the excavation activities and directing the remedial excavation work based on field observations and analytical results.
- Supervising the management and disposal of soil and water at MECP licensed waste disposal facilities (as required).
- Documenting subsurface soil conditions within the excavation areas.
- Collecting confirmatory soil samples from the walls and floors of the completed excavation and logging of visual, olfactory, and tactile soil characteristics, and recording combustible soil vapour (CSV) readings for the collected soil samples.
- Submitting selected confirmatory soil samples from the remedial excavations for laboratory analysis of BTEX and PHC F1 to F4.
- Submitting soil samples for analysis of BTEX and PHC F1 to F4 from stockpiles segregated for possible reuse as backfill.
- Submitting soil samples from the imported backfill for analysis of BTEX, PHC F1 to F4, and metals.
- Tracking of time and materials, review of invoices, and waste disposal/management documentation.
- Preparing a factual summary report documenting observations and the results of analysis in comparison to the appropriate SCS.



A representative of the Client was present during the remediation at the Site and was the "constructor" per the Occupations Health and Safety Act (OSHA) for the project and oversaw the health and safety at the Site. The Client directly retained, Robert Gourlay Equipment Rentals (Gourlay) of Ottawa Ontario as excavator contractor for the completion of the excavation and the coordination of hauling services. Tasks that the Client conducted included overseeing management of the Site including health and safety, coordinating the public underground utility locates, coordination of soil disposal, groundwater management/disposal services, backfilling and Site restoration.

Laboratory analytical services for this work program were provided by the AGAT Laboratories (AGAT) of Mississauga, Ontario. At the time of this investigation, AGAT was accredited by the Canadian Association for Laboratory Accreditation (CALA) to International Standard ISO/IEC 17025:2017, *General Requirements for the Competence of Testing and Calibration Laboratories* for the parameters included in the analytical program.

FIELD PROGRAM

Terrapex was on-Site periodically between April 10 and April 25, 2024, to complete remedial activities, including, completion of a test pit program, directing the excavation of the PHC-impacted soil, and collecting confirmatory soil samples. The remedial activities are further described below.

Preparation

A kickoff meeting was held between Terrapex, Hawkins Properties and Gourlay on April 10, 2024. The kickoff meeting discussed project health and safety, the proposed schedule and methodology to complete the remedial excavation. Prior to the fieldwork, Terrapex confirmed that Hawkins Properties had arranged for the marking of underground utilities and had received the necessary clearances prior to initiating any excavation work.

Greg Sabourin, a qualified person (QP) as defined by O. Reg. 406/19, filed a notification on the RRPA excess soil registry (Notice ID: N00001330) on behalf of the Hawkins Properties to comply with the Rules for Soil Management and Excess Soil Quality Standards. Terrapex indicated that previous sampling indicated that the soil was impacted with concentrations of BTEX and PHCs that exceeded the Table 2 SCS and determined that the only practical disposal option for the impacted soil was to transport it to a landfill and/or dump. Letters for documenting this decision for the assessment of past uses (APU) and the Destination Assessment report were completed.

Based on the documentation provided, Greg van Loenen, the Environmental Compliance Office for the GFL Environmental Inc. Moose Creek landfill indicated that they could accept the importation of the PHC impacted soil present at the Site via email on February 20, 2024.



Documentation for supporting the excess soil registry is provided in Attachment A.

Test Pitting Program

Terrapex was on-Site on April 12 and 15, 2024, to supervise the excavation of eight test pits (TP101 to TP108). The test pits were excavated by Gourlay using a John Deere 350 P excavator to a maximum depth of 5.5 m bg. Test pit locations were selected to further refine the areal extent of the PHC impacted soil in the vicinity of the former pump island and tank nest. The locations of the test pits are presented on Figure 3. Selected photographs are provided in Attachment B.

Soil samples were collected directly from the bucket of the excavator using fresh nitrile gloves and ensuring the sample had not contacted the surface of the excavator bucket. Each recovered sample was divided into two portions, with one portion placed in a clear sampling bag for field screening/logging, and the second portion placed in laboratory supplied sampling containers. CSV readings were measured in the headspace of each screening sampling bag using an RKI Eagle IITM hydrocarbon surveyor, calibrated to n-hexane and operated in methane elimination mode.

Soil samples collected from test pits TP101, TP103, TP104, TP105 and TP108 were selected for laboratory analysis and submitted for analysis of BTEX and PHC F1 to F4. Samples were selected on the basis of CSV readings, visual and olfactory evidence of PHC impacts. For quality assurance/quality control (QA/QC) purposes a methanol blank was submitted for laboratory analysis of BTEX and PHC F1 as well. Soil samples were not submitted from test pits where visual and/or CSV measurements indicated contamination was present (TP102) or where other test pits had provided a tighter delineation.

Soil samples were collected directly into pre-cleaned, laboratory supplied containers with preservative (where required), placed in a cooler with ice, and transported with a signed chain-of-custody by Terrapex to the AGAT depot in Ottawa, Ontario prior to shipment to the laboratory in Mississauga, Ontario for analysis.

Remedial Activities

On April 15, 2024, a remedial excavation was conducted in the vicinity of the former tank nest and borehole MW204 (referred to as "the southern excavation"). The remedial excavation was expanded as needed to remove the PHC-impacted soil based on olfactory and visual evidence of contamination. Excavated soil was segregated based on visual and olfactory observations. Soil with no apparent PHC impact (based on field observations) was stockpiled and sampled to determine if it was suitable for re-use as backfill material. The depth of the floor of the southern excavation was uniformly 4.0 m bg.



Between April 23 and 25, 2024, a remedial excavation as completed in the vicinity of the former pump island to remove PHC impacted soil associated with boreholes MW112 and MW204 (referred to as "northern excavation"). The northern excavation was expanded as needed to remove the PHC-impacted soil based on olfactory and visual evidence of contamination. Test pit analytical results and vapour conditions were also considered during the completion of the northern excavation. Excavated soil was segregated based on visual and olfactory observations. Soil with no apparent PHC impact (based on field observations) was stockpiled and sampled to determine if it was suitable for re-use as backfill material.

The eastern wall of the northern excavation extended to the eastern property line of the Site as marked by the Hawkins Properties representative. The final floor of the northern excavation ranged between 3.5 m to 4.0 m bg, except for a small portion of the excavation in the vicinity of borehole BH205 which was excavated to a depth of 5.0 m bg.

Both excavations were temporarily backfilled immediately after removal of all visually contaminated material and confirmatory soil sampling collection due to water infiltration and health and safety considerations.

A total of 520.68 metric tonnes (MT) of PHC-impacted soil was excavated from the remedial excavations. Between April 23 and 25, 2024, the impacted soil was shipped as non-hazardous solid waste for disposal at the GFL Environmental Inc. landfill located at 1725 Lafleche Road in Moose Creek, Ontario. A summary of the volume of impacted material sent for off-site disposal and the weigh tickets are provided in Attachment C.

Confirmatory Soil Sampling

From April 15 to April 25, 2024, confirmatory soil samples were collected from the walls and floors of the completed remedial excavations in a grid pattern using an excavator operated by Gourlay. At least one sample was collected for SV screening for approximately every 5 m² of wall area and every 10 m² of floor area. Each recovered sample was divided into two portions, with one portion placed in a clear sampling bag for field screening/logging, and the second portion placed in laboratory supplied sampling containers. CSV readings were measured in the headspace of each screening sampling bag using an RKI Eagle IITM hydrocarbon surveyor, calibrated to n-hexane and operated in methane elimination mode. To mitigate cross-contamination a fresh pair of nitrile gloves was worn when handling each soil sample.

Confirmatory soil samples submitted for laboratory analysis were selected on the basis of CSV readings and to provide representative coverage of the excavations. Soil samples were collected directly into pre-cleaned, laboratory supplied containers with preservative (where required), placed in a cooler with ice, and transported with a signed chain-of-custody by Terrapex to the AGAT depot in Ottawa, Ontario prior to shipment to the laboratory in Mississauga, Ontario for analysis.



Four confirmatory soil samples were submitted for laboratory analysis of BTEX and PHC F1 to F4 from the southern excavation as follows:

- One confirmatory soil sample (CS104) and one duplicate (CS104, duplicate of CS1004) was collected from the floor of the excavation.
- Two confirmatory soil samples (CS113 and CS125) were collected from the walls of the excavation.

The analytical results from soil samples from boreholes BH106 and MW204, collected during the previously assessment work, provided additional evidence of the horizontal and vertical extents of the PHC impacted soil at the former tank nest.

Seven soil samples were submitted for laboratory analysis of BTEX and PHC F1 to F4 from the northern excavation as follows:

- Three confirmatory soil samples (CS129, CS156 and CS191) were collected from the floor of the northern excavation.
- Three confirmatory soil sample (CS132, CS144 and CS167) and one duplicate (CS1167, duplicate of CS167) were collected from the walls of the northern excavation.

The analytical results from soil samples from test pits TP103 and TP104, collected during the test pitting, were also used for verification purposes for the southern and eastern walls of the excavation.

The extents of the remedial excavations are shown on Figure 4. The soil sample locations and CSV measurements are shown on Figure 5 for the southern and northern excavations.

Groundwater Management

No significant groundwater accumulated in either of the excavations and therefore, groundwater management measures were not required during the completion of the remedial excavations.

Soil Stockpile Sampling

During the excavation activities, approximately 400 tonnes of excavated soil, with no apparent indication of hydrocarbon impact, was segregated and placed into two stockpiles on-Site for potential reuse as backfill material. An excavator was used to collect representative soil samples throughout the stockpiles. Screening samples were collected based on the size of each stockpile. Using a RKI eagle II, the CSV of the screening soil samples were measured and the samples with the highest vapours (or to provide representative spatial coverage) were submitted for laboratory analysis of BTEX and PHC F1 to F4.



Stockpile soil samples submitted for laboratory analysis are as follows:

 Three soil samples from stockpile SP100 (SP101, SP103, and SP105) were submitted for laboratory analysis of BTEX and PHC F1 to F4.

• Three soil samples from stockpile SP200 (SP201, SP203 and SP205) were submitted for laboratory analysis of BTEX and PHC F1 to F4.

Imported Fill Sampling

Sand fill was imported from the Greely Sand and Gravel quarry located at 5480 Bank Street, Ottawa, Ontario to backfill the excavations. Prior to importing the soil, Terrapex collected representative soil samples at the quarry and were submitted for laboratory analysis of BTEX, PHC F1 to F4, and metals. On April 12, 2024, ten soil samples (GS1 to GS10) and one duplicate (GS11, duplicate of GS10) were collected from the sand backfill. The number of fill samples submitted for analysis was based on the maximum volume fill expected to backfill the excavation to grade.

A total of 245.32 MT of sand backfill was imported to the Site to partially backfill the remedial excavations. Terrapex was not present during the importation of the sand fill which was completed between April 18 and 19, 2024. The volume of sand fill imported to the Site was provided by Hawkins Properties.

Site Restoration and Backfilling

Following the receipt of laboratory results (confirming that no additional excavation was required), the backfill material was imported to the Site and placed in the remedial excavation. Terrapex was not on Site during the backfilling of the excavation. It was noted that the Site was not backfilled to grade due to the future anticipated development work to be completed.

RESULTS

Subsurface Conditions

The stratigraphy encountered in test pits TP101, TP102, TP103, TP104, TP106 and TP107 and TP108 of consisted of surface cover of either asphalt or gravel followed by a sand and gravel fill of an approximate thickness of between 0.5 to 1.0 m, overlying a native silty clay which was encountered to the maximum depth of investigation of 5.5 m bg. At test pit TP105, the sand and gravel fill was encountered at a maximum depth of 2.5 m bg before encountering the native silty clay.



CSV concentrations in soil samples collected from the test pit TP102 ranged between 510 and less than 5 ppm. CSV concentrations in soil samples collected from test pit TP104 ranged between 75 and less than 5 ppm. All other test pits exhibited CSV measurements of less than 5 ppm. Test pits logs are provided in Attachment D.

The stratigraphy within the southern excavation consisted of gravel cover overlying sand and gravel fill from surface to a maximum depth 4.0 m underlain by native silty clay. Native silty clay was observed on the northern and eastern wall of the southern excavation. The southern and western walls of the southern excavation consisted of sand fill. CSV concentrations in all soil samples collected from the walls and floors of the southern excavation were all less than 5 parts per million by volume (ppm).

The stratigraphy within the northern excavation consisted of asphalt surface cover followed by a sand and gravel layer with thickness of 0.50 m, underlain by a native silty clay to the maximum depth of the excavation. CSV concentrations in all soil samples collected from the northern, western and southern walls and floors of the northern excavation were all less than 5 ppm. Soil samples collected from the eastern wall (i.e., the property boundary) ranged between 60% lower explosive limit (LEL) to less than 5 ppm.

Soil sample locations and CSV concentrations for the excavations are shown in Figure 5.

Soil Analytical Results

Laboratory results for the soil samples submitted to AGAT for analysis are presented in Table 1 (metal parameters in imported fill samples), Table 2 (PHC parameters in imported fill samples), Table 3 (PHC parameters in test pit soil samples), Table 4 (PHC parameters in confirmatory soil samples), Table 5 (PHC parameters in the stockpile samples). Copies of the laboratory certificate of analysis are provided in Attachment E.

Summaries of the analytical results are provided in the sections below.

Imported Fill Samples

As shown in Table 1 and 2, concentrations of metals, BTEX and PHC F1 to F4 in the imported fill samples were less than the MECP Table 1 SCS. On that basis, soil was imported to the Site and used to backfill the excavation.



Test Pit Soil Samples

As shown in Table 3, concentrations of BTEX and PHC F1 to F4 in the test pit soil samples submitted for laboratory analysis were less than the Table 2 SCS. The results from two test pit (samples TP103-4 and TP104-2) were utilized confirmatory soil samples of the final eastern and southern walls respectively of the northern excavation. The analytical results of the test pits results are provided in Figure 3, Figure 4 and Figure 5.

Confirmatory Soil Samples

As shown in Table 4, concentrations of BTEX and PHC F1 to F4 in the confirmatory soil samples collected from the floors and walls of both excavations were less than the Table 2 SCS, except for confirmatory soil sample CS167 (and duplicate sample CS1067) collected from the eastern wall of the northern excavation. Confirmatory soil sample CS167 exhibited concentrations of PHC F1 greater than the Table 2 SCS. It should be noted that CS167 was collected from the eastern property line of the Site. The duplicate sample of CS167 (labelled as CS1067) exhibited concentrations of PHC F1 and ethylbenzene greater than the Table 2 SCS.

An analytical results figure showing the confirmatory soil samples is provided in Figure 5.

Stockpile Samples

The concentrations of BTEX and PHC F1 to F4 in the stockpile samples from SP100 and SP200 were less than the Table 2 SCS in all soil samples. Further, all parameters were not detected at the laboratory.

Based on the results, all the stockpiled soil material was re-used on-Site to backfill the excavations.

QA/QC Results

Quality Assurance and Quality Control (QA/QC) measures were implemented during the soil remediation in accordance with Terrapex Standard Operating Procedures. A summary of these measures follows.

During soil sampling, to mitigate cross-contamination fresh nitrile gloves were worn for the handling of each sample. Soil samples were collected directly from the bucket of the excavator using fresh nitrile gloves and ensuring the sample had not contacted the surface of the excavator bucket.



Pre-cleaned sample containers for the specific parameters of interest were provided by the laboratory and used at each borehole and monitoring well location for the collection of soil and groundwater samples. Samples for analyses were placed in an enclosed cooler with loose ice and shipped with a signed chain of custody and custody seals to the laboratory for chemical analysis.

The AGAT Labs QA/QC program consisted of the analysis of laboratory replicates, process, spiked and method blanks, process percent recoveries, matrix spikes, and surrogate percent recoveries as appropriate for the particular analysis protocol. A review of the quality assurance reports attached to the laboratory certificates of analysis indicate that the laboratory QA/QC program results were all within the quality control limits. Not comments were made by AGAT in any of the certificate of analysis.

QA/QC samples submitted by Terrapex consisted of the following:

- one blind field duplicate soil sample (labelled as GS11) of soil sample GS10 was submitted for analysis of BTEX, PHC F1 to F4, metals and inorganics;
- one blind field duplicate soil sample (labelled as CS1004) of soil sample CS104 was submitted for analysis of BTEX and PHC F1-F4;
- one blind field duplicate soil sample (labelled as CS1067) of soil sample CS167 was submitted for analysis of BTEX and PHC F1-F4; and,
- five methanol blanks accompanying the soil samples for submissions of April 12, 15, 18, 23 and 25, 2024, were analyzed for BTEX and PHC F1.

Laboratory analytical results for Terrapex's QA/QC samples are provided in Table 1, Table 2, Table 3, Table 4 and Table 5 for the various samples and parameters. Copies of the laboratory certificates of analyses are provided in Attachment E.

Relative percent difference (RPD) for blind duplicate sample results is calculated as follows:

$$RPD = \left| \frac{result_1 - result_2}{\frac{1}{2} x (result_1 + result_2)} \right| x 100\%$$

The RPDs were compared to an alert criterion of 30% for soil. However, RPDs as high as 50% are considered acceptable for volatile organic compounds in soil (e.g., BTEX and PHC F1).

The RPDs were not calculated where reported concentrations were less than five times the laboratory MDL. The RPD was not able to be calculated for confirmatory soil sample CS104 and GS10 and their respective duplicate pairs CS1004 and GS11 due to the analytical results being less than five times the MDLs for all parameters.



The alert criteria was exceeded for confirmatory soil sample CS167 and its duplicate pair CS1067 for ethylbenzene, xylenes and PHC F1. The elevated RPDs in these soil samples can likely be attributed to the heterogeneity in the soil stratigraphy. The elevated RPD is not expected to significantly affect the interpretation of the results as the soil sample and its duplicate pair both exceeded the Table 2 SCS for at least one parameter analysed.

The analytical results for the methanol blank samples indicated that all parameters were not detected at the laboratory MDL.

Overall, the QA/QC for the project is considered acceptable. The QA/QC results for the project does not indicate any significant concerns with data quality and does not affect the interpretation of the results. The laboratory QA/QC results are provided in the laboratory certificates of analysis in Attachment E.

SUMMARY AND CONCLUSIONS

Terrapex was on Site between April 10 and April 25, 2024, to supervise, direct and document the remedial excavation program. The purpose of the remediation was to remediate all PHC impacted soil present at the Site. The remediation standard for the Site selected as the Table 2 SCS, which is consistent with previous assessment work complete at the Site. The excavation program was completed by under direct contract supervision of the Client, Hawkins Properties. Laboratory services were provided by AGAT Laboratories at their laboratory in Mississauga, Ontario.

Two remedial excavations were excavated at the Site. The final depths and extents of the excavations were determined based on field observations and analytical results, in addition to observations and analytical results from eight test pits excavated as part of the work program. A total of 520.68 MT of PHC-impacted soil was generated from the completion of both excavations. The impacted soil was removed for off-Site disposal as non-hazardous solid waste at the GFL Environmental Inc. landfill located at 1725 Lafleche Road Moose Creek, Ontario.

A total of 245.32 MT of sand backfill with concentrations of BTEX, PHC F1-F4, metals and inorganics that meet the Table 1 SCS was imported to the Site to partially backfill the remedial excavations.

Based on the analytical results and visual observations at the Site, all soil with concentrations of BTEX and/or PHC F1-F4 greater than MECP Table 2 SCS have been removed from the Site. Confirmatory soil samples collected from the eastern wall of the northern excavation (CS167) indicate that PHC impacted soil remains on the municipally owned right-of-way (ROW).



REFERENCES

Phase One Environmental Site Assessment, 5646 & 5650 Manotick Main Street Ottawa, Ontario, dated December 16, 2022.

Phase Two Environmental Site Assessment, 5646 & 5650 Manotick Main Street, Ottawa, Ontario, dated November 1, 2023.

Letter Subject: Site Plan Control Application 5646 and 5650 Manotick Main Street – First Submission Comments, To Jillian Simpson from City of Ottawa, Dated August 31, 2023

CLOSURE

This report has been completed in accordance with the terms of reference for this project as agreed upon by Hawkins Properties and Terrapex Environmental Ltd. (Terrapex) and generally accepted engineering or environmental consulting practices in this area.

According to the terms of reference, the excavations were expanded laterally and vertically until the field objectives were met, or until further excavation was impractical. The reported information is believed to provide a reasonable representation of the general environmental conditions at the site; however, studies of this nature have inherent limitations. The data were collected at specific locations and subsurface conditions may vary at other locations, or with the passage of time. The assessment was also limited to a study of those chemical parameters specifically addressed in this report.

Terrapex has relied in good faith on information and representations obtained from the Client and third parties and, except where specifically identified, has made no attempt to verify such information. Terrapex accepts no responsibility for any deficiency or inaccuracy in this report as a result of any misstatement, omission, misrepresentation, or fraudulent act of those providing information. Terrapex shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time of the study.

This report has been prepared for the sole use of Hawkins Properties. Terrapex accepts no liability for claims arising from the use of this report, or from actions taken or decisions made as a result of this report, by parties other than Hawkins Properties.



100165530

TERRAPEX ENVIRONMENTAL LTD.

Fire Boonstra, BSc

Environmental Scientist

Greg Sabourin, PEng Project Manager

Keith Brown, PEng Senior Reviewer

Attachments:

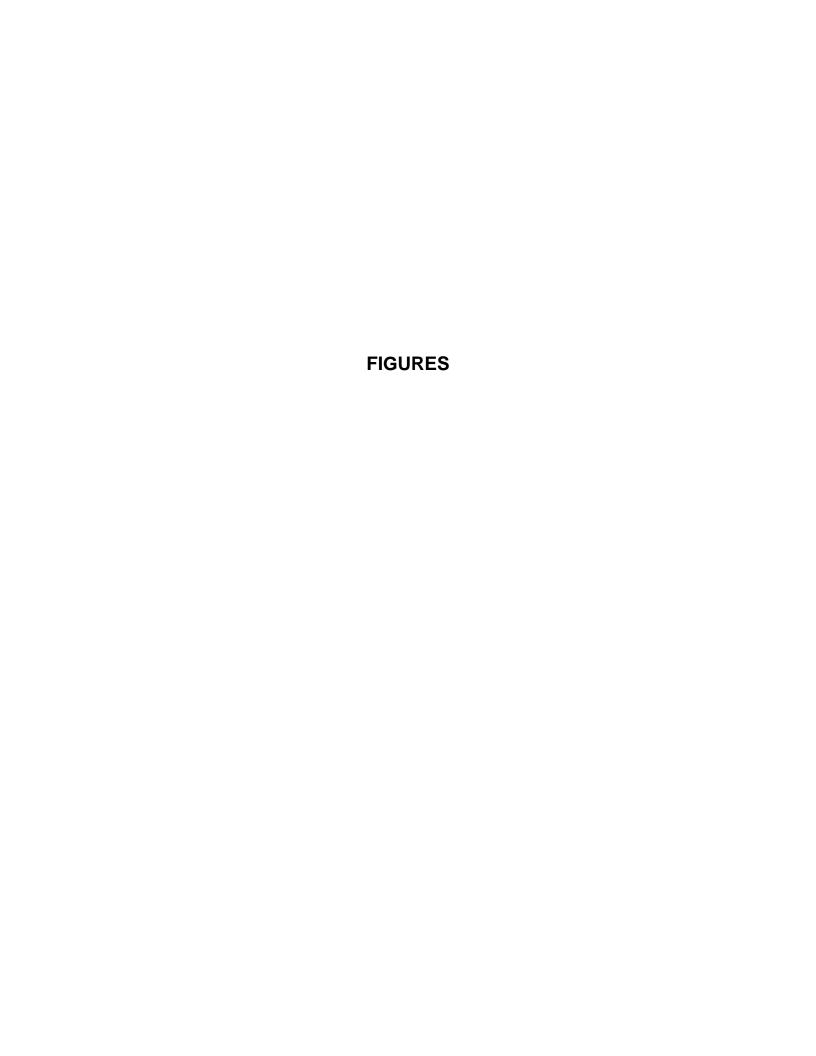
Figures 1, 2, 3, 4, and 5

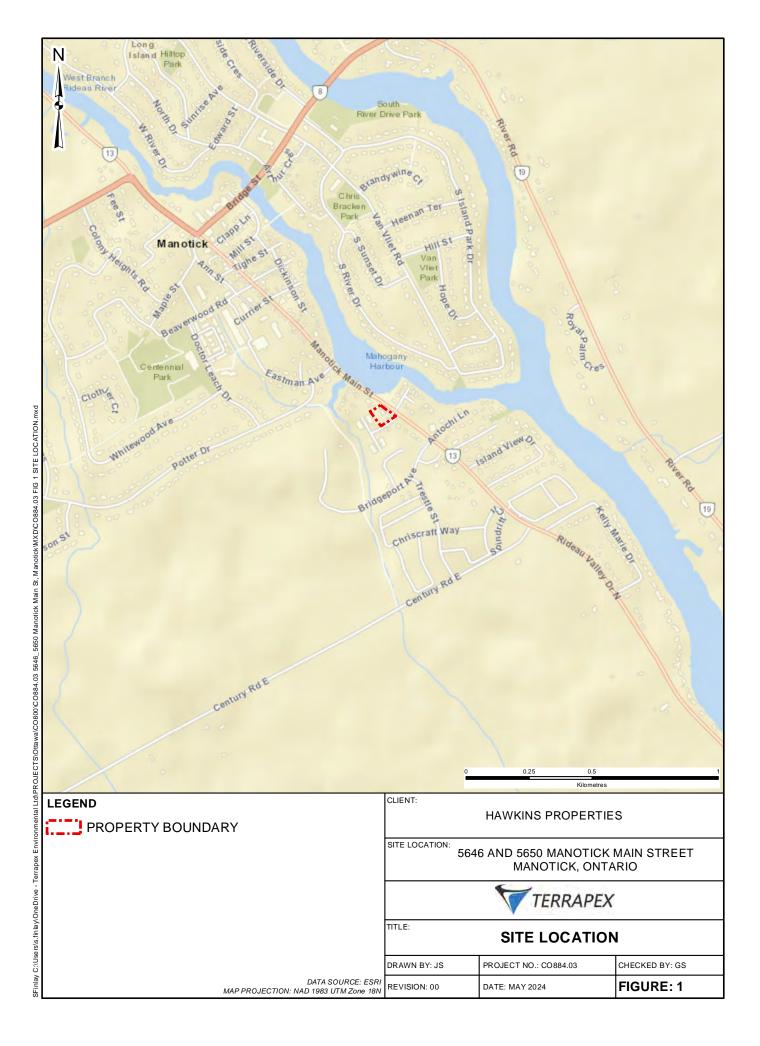
Tables 1, 2, 3, 4, and 5 Site Photographs Waste Documentation

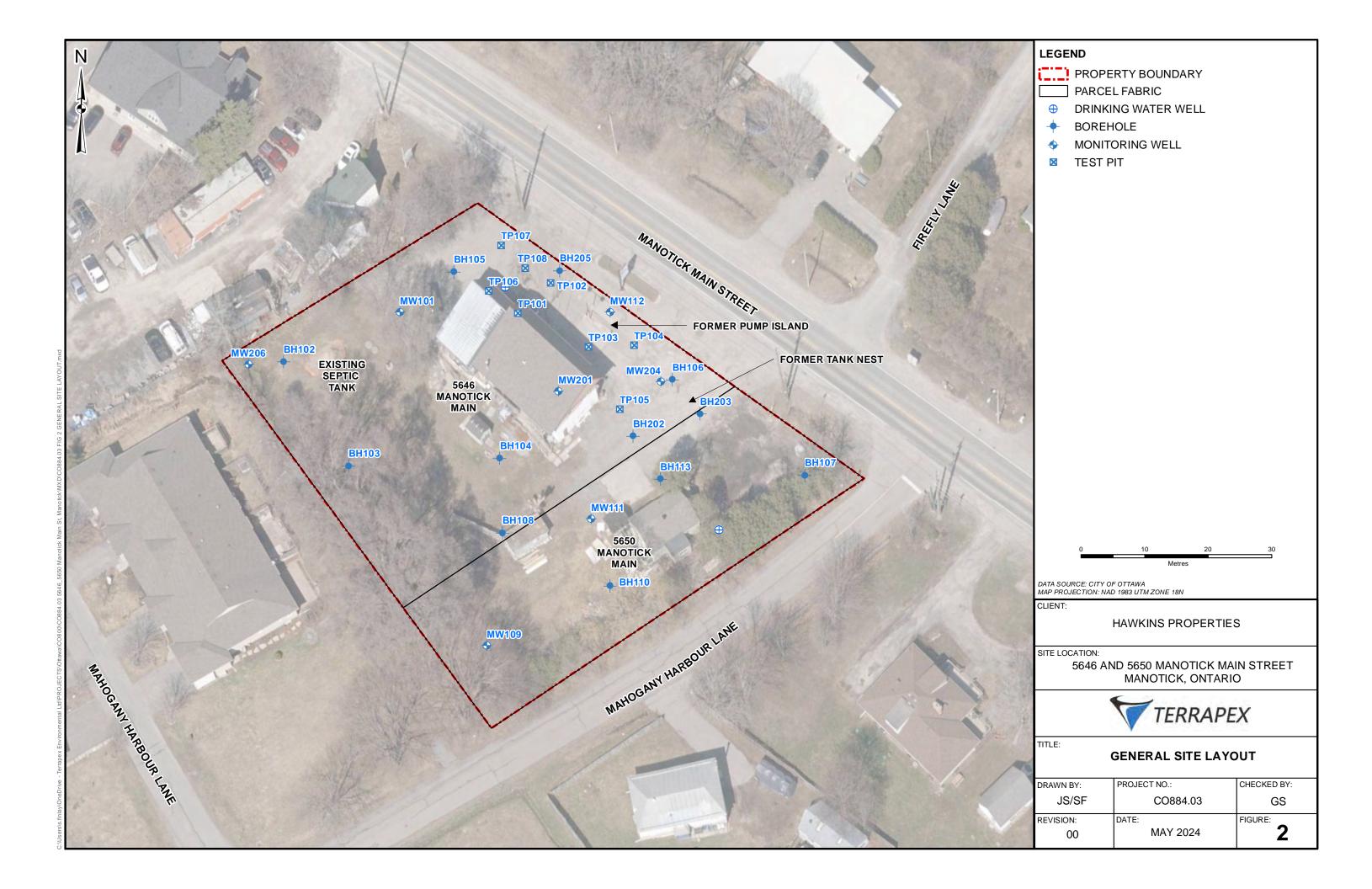
Test Pit Logs

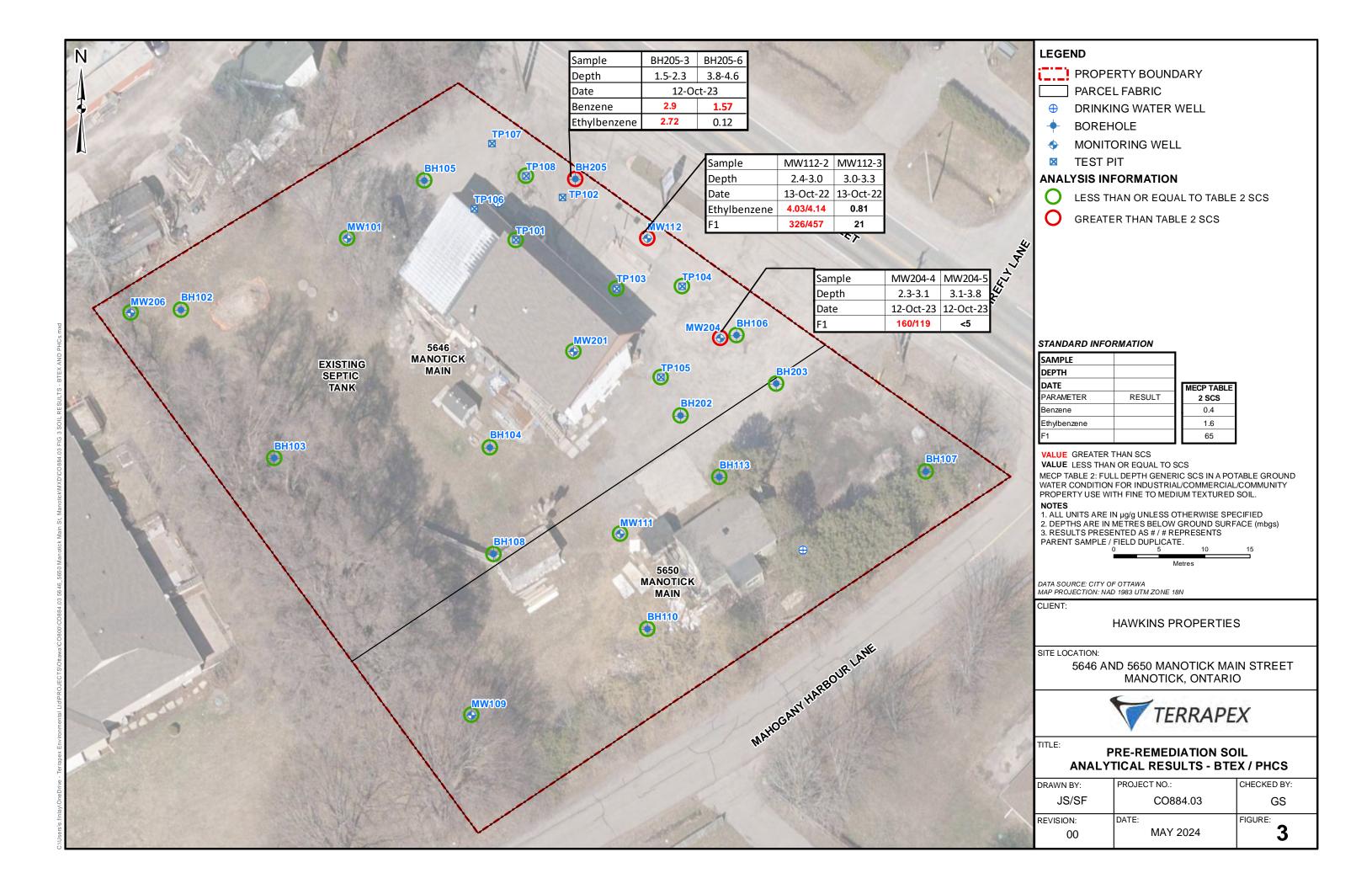
Laboratory Certificates of Analyses

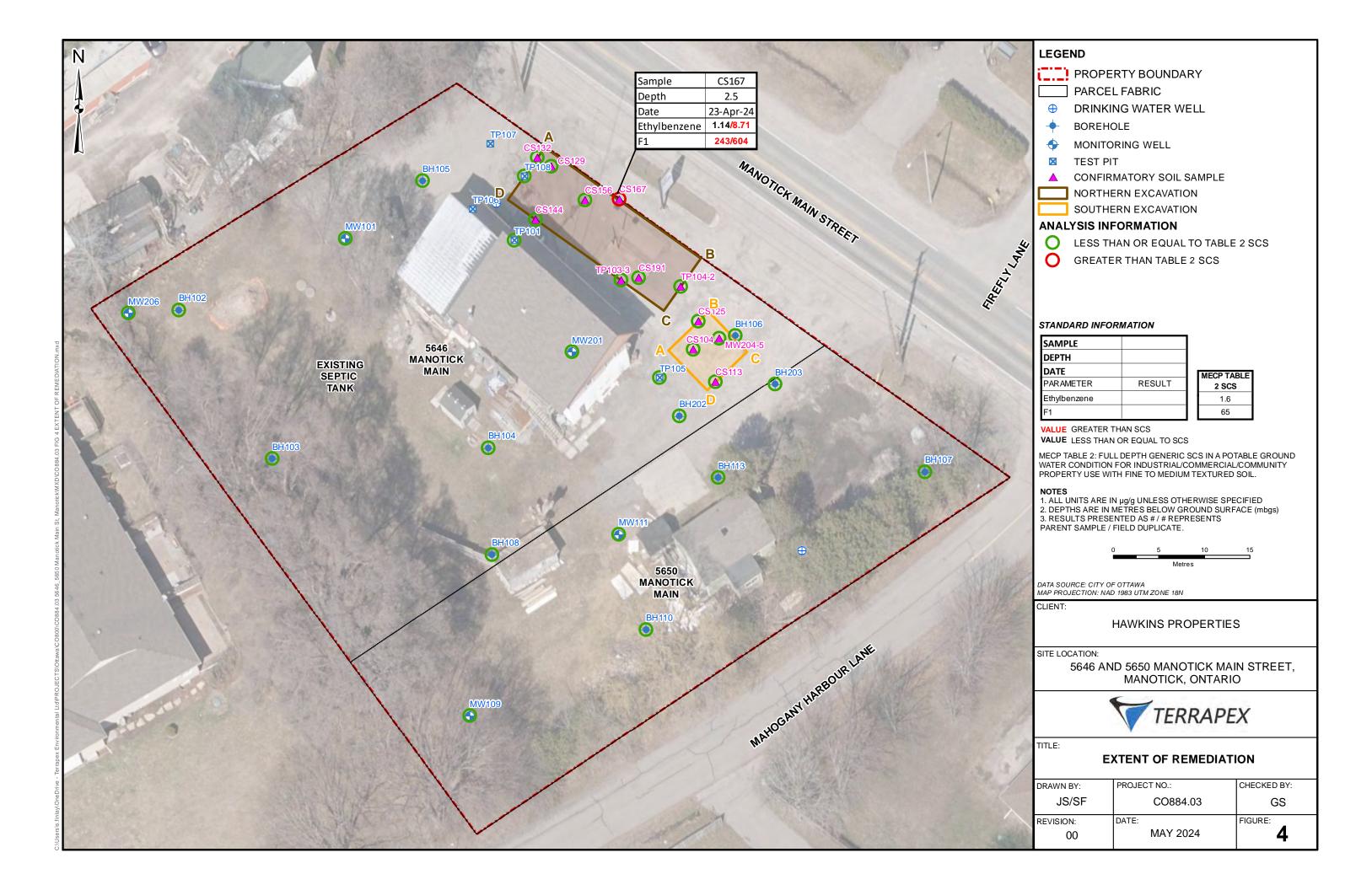


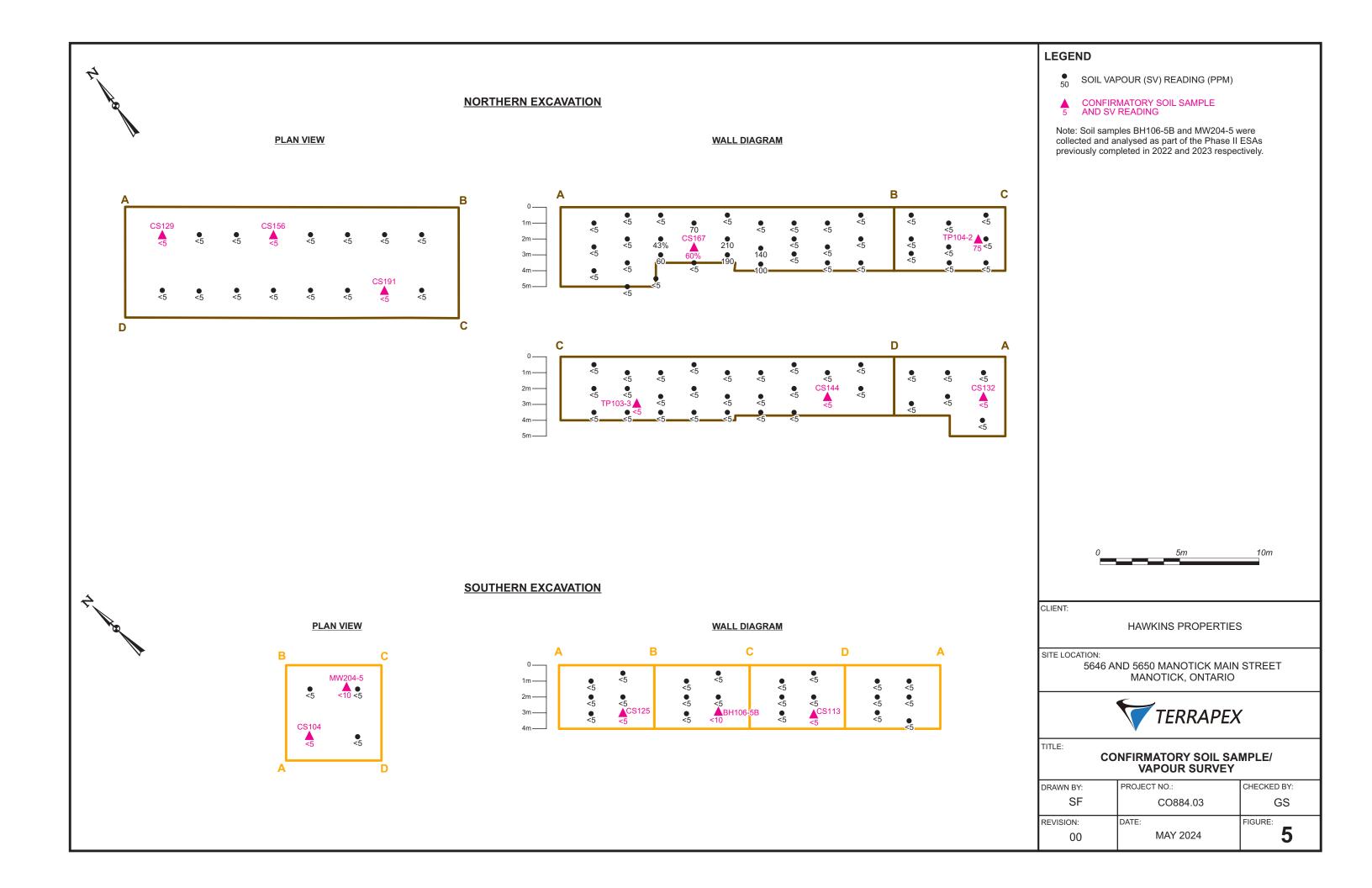












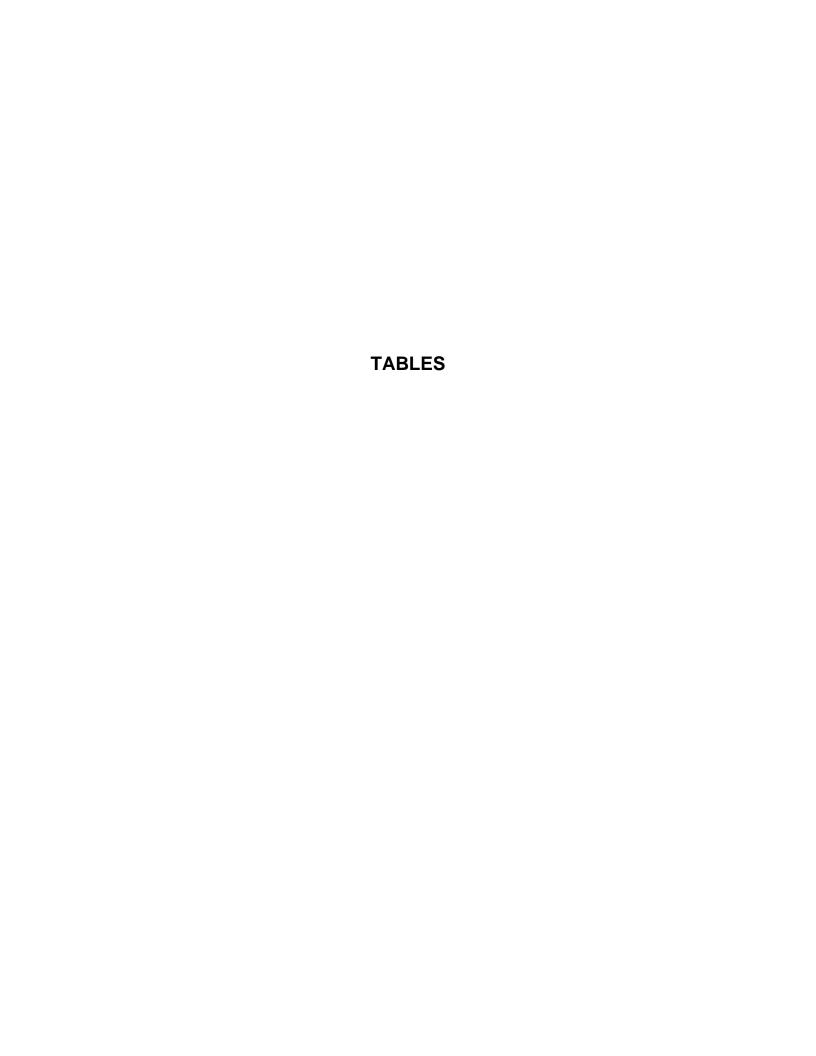


TABLE 1: SOIL ANALYTICAL RESULTS - METALS AND INORGANICS 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

SAMPLE NAME	UNITS	STANDARDS Table 1 Non-Agricultural	GS1	GS2	GS3	GS4	GS5	GS6	GS7	GS8	GS9	GS10	GS11 Duplicate of	RPD
													GS10	
Sampling Date	dd-mmm-yy	-	12-Apr-24	- 1										
Analysis Date (on or before)	dd-mmm-yy	-	16-Apr-24	-										
Certificate of Analysis No.	-	-	24Z139245	-										
METALS														-
Barium	ug/g	220	18.2	17.6	16.3	16.6	15.7	15.9	16.9	16.2	17.7	17.1	18.2	-
Beryllium	ug/g	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Boron (Total)	ug/g	36	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
Cadmium	ug/g	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Chromium Total	ug/g	70	6	7	7	7	6	7	7	7	9	9	7	-
Cobalt	ug/g	21	3.2	3.4	3.1	3.7	2.9	3	3.1	3.1	3.5	4.1	3.3	-
Copper	ug/g	92	6.7	7.2	6.7	7.2	8.2	6.7	6.8	6.7	7.1	6.9	7.1	-
Lead	ug/g	120	2	2	2	2	2	2	2	2	2	2	2	-
Mercury	ug/g	0.27	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Molybdenum	ug/g	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Nickel	ug/g	82	5	6	5	5	5	5	5	5	6	6	5	-
Silver	ug/g	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Thallium	ug/g	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Uranium	ug/g	2.5	<0.50	<0.50	<0.50	0.62	<0.50	<0.50	0.54	0.52	0.58	0.66	0.55	-
Vanadium	ug/g	86	14.6	17.8	16.3	18.9	15	16	18.1	20.7	25.5	23.5	16.5	-
Zinc	ug/g	290	11	11	10	11	10	10	10	11	10	11	11	-
HYDRIDE-FORMING METALS														
Antimony	ug/g	1.3	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-
Arsenic	ug/g	18	<1	<1	<1	<1	<1	<1	<1	<1	1	1	<1	-
Selenium	ug/g	1.5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 1: Full Depth Background SCS

Non-Agricultural Property-Use, Any Soil Texture

Parameter not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
RPD Relative percent difference
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

<u>Value</u> Exceeds standard

Value Detection limit exceeds standard

Hot water soluble boron applies to surface soils (<1.5 m bg).



TABLE 2: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

SAMPLE NAME	UNITS	STANDARDS	GS1	GS2	GS3	GS4	GS5	GS6	GS7	GS8	GS9	GS10	GS11	RPD
		Table 1 Non- Agricultural											Duplicate of GS10	
Sampling Date	dd-mmm-yy	-	12-Apr-24											
Analysis Date (on or before)	dd-mmm-yy	-	16-Apr-24											
Certificate of Analysis No.	-	-	24Z139245											
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)														
Benzene	ug/g	0.020	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-
Toluene	ug/g	0.20	< 0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	-
Ethylbenzene	ug/g	0.050	< 0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	-
m-Xylene & p-Xylene	ug/g	0.050	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
o-Xylene	ug/g	0.050	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Xylenes (Total)	ug/g	0.050	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
PETROLEUM HYDROCARBONS (PHCs)														
Petroleum Hydrocarbons F1	ug/g	25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
Petroleum Hydrocarbons F1-BTEX	ug/g	25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
Petroleum Hydrocarbons F2	ug/g	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Petroleum Hydrocarbons F3	ug/g	240	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-
Petroleum Hydrocarbons F4	ug/g	120	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 1: Full Depth Background SCS

Non-Agricultural Property-Use, Any Soil Texture

- Not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

<u>Value</u>
Detection limit exceeds standard

F1 fraction does not include BTEX



TABLE 3: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2 I/C/C fine/medium	TP101-4	TP103-4	TP104-2	TP105-4	TP108-2	Methanol Blank	Methanol Blank
Vapour Reading	see note	-	<5 ppm	<5 ppm	75 ppm	<5 ppm	15 ppm	-	-
Sample Depth	m bg	-	4.0	3.0	2.0	3.0	2.0	-	-
Sampling Date	dd-mmm-yy	-	12-Apr-24	12-Apr-24	12-Apr-24	12-Apr-24	15-Apr-24	12-Apr-24	15-Apr-24
Analysis Date (on or before)	dd-mmm-yy	-	16-Apr-24	16-Apr-24	16-Apr-24	16-Apr-24	17-Apr-24	16-Apr-24	17-Apr-24
Certificate of Analysis No.	-	-	24Z138772	24Z138772	24Z138772	24Z138772	24Z139246	24Z138772	24Z139246
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)									
Benzene	ug/g	0.40	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	ug/g	9.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PETROLEUM HYDROCARBONS (PHCs)									
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	22	<5	<5	<5	<5
Petroleum Hydrocarbons F2	ug/g	250	<10	<10	<10	<10	<10	-	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA	NA	NA	NA	NA	-	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

- Not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

Value
 Detection limit exceeds standard
 F1 fraction does not include BTEX



TABLE 4: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2	CS104	CS1004	RPD	CS113	CS125	CS129	CS132	CS144	CS156	CS167	CS1067	RPD
		I/C/C fine/medium		DUPLICATE OF CS104									DUPLICATE OF CS167	
Vapour Reading	see note	-	<5 ppm	-	-	<5 ppm	60% LEL	-	-					
Sample Depth	m bg	-	4.0	4.0	-	3.0	3.0	5.0	2.5	2.5	3.5	2.5	2.5	-
Sampling Date	dd-mmm-yy	-	18-Apr-24	18-Apr-24	-	18-Apr-24	18-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	-
Analysis Date (on or before)	dd-mmm-yy	-	24-Apr-24	24-Apr-24	-	24-Apr-24	24-Apr-24	24-Apr-24	29-Apr-24	29-Apr-24	25-Apr-24	1-May-24	1-May-24	-
Certificate of Analysis No.	-	-	24Z140682	24Z140682	-	24Z140682	24Z140682	24Z142310	24Z142312	24Z142312	24Z142833	24Z142834	24Z142834	-
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)														
Benzene	ug/g	0.40	<0.02	<0.02	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-
Toluene	ug/g	9.0	< 0.05	<0.05	-	<0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	< 0.05	0.28	-
Ethylbenzene	ug/g	1.6	< 0.05	<0.05	-	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	1.14	<u>8.71</u>	154%
Xylenes (Total)	ug/g	30	< 0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.8	27.6	152%
PETROLEUM HYDROCARBONS (PHCs)														
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	-	<5	<5	<5	<5	<5	<5	<u>243</u>	<u>604</u>	85%
Petroleum Hydrocarbons F2	ug/g	250	<10	<10	-	<10	<10	<10	<10	<10	<10	47	60	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	<50	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	<50	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA	NA	-	NA	NA	-						

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

Not analyzed
 m bg
 meters below grade
 ppm
 parts per million by volume
 % LEL
 percent of the lower explosive limit
 NV
 No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

<u>Value</u>
Detection limit exceeds standard

F1 fraction does not include BTEX



TABLE 4: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2 I/C/C fine/medium	CS191	Methanol Blank	Methanol Blank
Vapour Reading	see note	-	<5 ppm	-	-
Sample Depth	m bg	-	4.0	-	-
Sampling Date	dd-mmm-yy	-	24-Apr-24	18-Apr-24	23-Apr-24
Analysis Date (on or before)	dd-mmm-yy	-	25-Apr-24	24-Apr-24	26-Apr-24
Certificate of Analysis No.	-	-	24Z142836	24Z140682	24Z142312
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)					
Benzene	ug/g	0.40	<0.02	<0.02	<0.02
Toluene	ug/g	9.0	< 0.05	< 0.05	<0.05
Ethylbenzene	ug/g	1.6	< 0.05	< 0.05	<0.05
Xylenes (Total)	ug/g	30	< 0.05	< 0.05	< 0.05
PETROLEUM HYDROCARBONS (PHCs)					
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	<5
Petroleum Hydrocarbons F2	ug/g	250	<10	-	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	-	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	-	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA		<u> </u>

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

- Not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

<u>Value</u>
Detection limit exceeds standard

F1 fraction does not include BTEX



TABLE 5: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2 I/C/C fine/medium	SP101	SP103	SP105	SP201	SP203	SP205	Methanol Blank	Methanol Blank
Vapour Reading	see note	-	<5 ppm	-	-					
Sampling Date	dd-mmm-yy	-	23-Apr-24	23-Apr-24	23-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	23-Apr-24	25-Apr-24
Analysis Date (on or before)	dd-mmm-yy	-	1-May-24	1-May-24	1-May-24	30-Apr-24	30-Apr-24	30-Apr-24	1-May-24	30-Apr-24
Certificate of Analysis No.	-	-	24Z142834	24Z142834	24Z142834	24Z143377	24Z143377	24Z143377	24Z142834	24Z143377
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)										
Benzene	ug/g	0.40	<0.02	<0.02	<0.02	<0.02	< 0.02	<0.02	<0.02	<0.02
Toluene	ug/g	9.0	< 0.05	<0.05	< 0.05	<0.05	< 0.05	<0.05	< 0.05	< 0.05
Ethylbenzene	ug/g	1.6	< 0.05	<0.05	< 0.05	<0.05	< 0.05	<0.05	< 0.05	< 0.05
Xylenes (Total)	ug/g	30	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05
PETROLEUM HYDROCARBONS (PHCs)										
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	<5	<5	<5	<5	<5	<5
Petroleum Hydrocarbons F2	ug/g	250	<10	<10	<10	<10	<10	<10	-	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA	NA	NA	NA	NA	NA	-	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

Not analyzed

m bg meters below grade ppm parts per million by volume

% LEL percent of the lower explosive limit NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

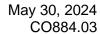
<u>Value</u> Exceeds standard

Value Detection limit exceeds standard

1 F1 fraction does not include BTEX



ATTACHMENT A EXCESS SOIL REGISTRY DOCUMNETATION





Hawkins Properties (595831 Ontario Inc.) 1220 Potter Drive Ottawa, Ontario K4M 1C8

Attention: Jade Hawkins

General Manager

Re: Excess Soils

Assessment of Past Uses

5646 and 5650 Manotick Main Street, Ottawa, Ontario

Dear Ms. Hawkins,

Further to your request, Terrapex Environmental Ltd. (Terrapex) is pleased to provide this Assessment of Past Uses report, as required for under Ontario Regulation (O.Reg.) 406/19, for removal of contaminated soil from the property located at 5646 and 5650 Manotick Main Street, Ottawa, Ontario (the Site), for disposal at a licensed landfill facility, to facilitate the remediation of the properties.

The Phase Two Environmental 5646 & 5650 Manotick Main Street, Ottawa Ontario completed by Terrapex and dated November 1, 2023, indicated that the soil present in the vicinity of the former tank nest and pump islands, present at a depth of approximately 1.5 to 5.0 m bg at the Site do not meet the O.Reg. 153/04 Table 3 Site Condition Standards. The intent is to remediate environmental soil impacts at the site by excavation of impacted soils for off-site disposal at a licensed landfill facility. Soils removed off-site for this purpose will become "Excess Soils" as per O.Reg 406/19.

As per O.Reg.406/19, Section 11(3), as existing site data collected has confirmed the presence of contaminated soils at the site that are likely to become "Excess Soils" under the Regulation, then these past assessment activities and data are deemed to satisfy the requirements for an Assessment of Past Uses Report.

Furthermore, it is the opinion of the Qualified Person that any soils at the site with concentrations of contaminants exceeding the Table 2 Site Condition Standards are unsuitable for re-use at this site, or any other property, and that the only practical remedial option is off-site disposal at a licensed landfill facility. As such, in accordance with Section B, Subsection 2 (6) of the Rules for Soil Management and Excess Soil Quality Standards, the sampling and analysis requirements set out in Section B will not be followed.

CLOSURE

The work described herein was conducted in accordance with the terms of reference for this project, agreed upon by Hawkins Properties and Terrapex Environmental Ltd. Terrapex Environmental Ltd. has exercised due care, diligence, and judgement in the performance of this assessment; however, studies of this nature have inherent limitations. This report is intended to provide only a general assessment of substances of concern that may be present at the site. By necessity, the findings and observations regarding actual or potential presence of such substances are based solely on the extent of observations and information gathered during the assessment, and subsequent investigations of differing scope may reveal conflicting results.

This report has been prepared for the sole use of Hawkins Properties. Terrapex Environmental Ltd. accepts no liability for claims arising from the use of this report, or from actions taken or decisions made as a result of this report, by parties other than Hawkins Properties.

Sincerely,

TERRAPEX ENVIRONMENTAL LTD.

Greg Sabourin, P.Eng. Project Manager Qualified Person





Hawkins Properties (595831 Ontario Inc.) 1220 Potter Drive Ottawa, Ontario K4M 1C8

Attention: Jade Hawkins

General Manager

Re: Excess Soils

Destination Assessment Report

5646 and 5650 Manotick Main Street, Ottawa, Ontario

Dear Ms. Hawkins,

Further to your request, Terrapex Environmental Ltd. (Terrapex) is pleased to provide this Destination Assessment Report, as required for under Ontario Regulation (O.Reg.) 406/19, for removal of contaminated soil from the properties located at 5646 and 5650 Manotick Main Street, Ottawa, Ontario (the Site), for disposal at a licensed landfill facility, to facilitate the remediation of the properties.

Prior assessment activities at the Site have indicated the presence of contaminated soils with concentrations of petroleum hydrocarbon-related parameters exceeding the Ontario Regulation (O.Reg.) 153/04 Table 3 Site Condition Standards. The intent is to dispose of all impacted soil excavated during the Site upgrade work and transport it off-site for disposal at a licensed landfill facility.

It is the opinion of the Qualified Person that base on available results and field observations all soils excavated at the Site can be inferred to have concentrations of contaminants exceeding the Table 3 Site Condition Standards, and similarly exceeding the Table 2 Site Condition Standards, are unsuitable for re-use at this site, or any other property, and that the only practical option is off-site disposal at a licensed landfill facility. No other Excess Soils are expected to be generated at the Site during the remediation.

Estimated Volume of Excess Soil: 1800 m³

Contaminated Excess Soils will be removed off-site for disposal at:

Company Name: GFL Street: 17125 Lafleche Rd.

City: Moose Creek

Province: ON

Postal Code: K0A 1MO

Governing Instrument: Environmental Compliance Approval NUMBER 8197-6NYJXP

Contingent Disposal Site: None

Processing of Excess Soils Prior to Removal: None

Approximate Date of Soil Movement: April and May 2024

Excess Soil Expected to Meet Table 2.1: None

Fill Management Plan: Not required/developed

CLOSURE

The work described herein was conducted in accordance with the terms of reference for this project, agreed upon by Hawkins Properties and Terrapex Environmental Ltd.

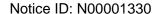
Terrapex Environmental Ltd. has exercised due care, diligence, and judgement in the performance of this assessment; however, studies of this nature have inherent limitations. This report is intended to provide only a general assessment of substances of concern that may be present within the building at the site. By necessity, the findings and observations regarding actual or potential presence of such substances are based solely on the extent of observations and information gathered during the assessment, and subsequent investigations of differing scope may reveal conflicting results.

This report has been prepared for the sole use of Suncor. Terrapex Environmental Ltd. accepts no liability for claims arising from the use of this report, or from actions taken or decisions made as a result of this report, by parties other than Suncor.

Sincerely,

TERRAPEX ENVIRONMENTAL LTD.

Greg Sabourin, P.Eng.. Project Manager





Notice Details

Company Name Terrapex

Notice ID N00001330

Filing Type Project Area Notice

Submission Status In Progress

Notice last updated by Greg Sabourin on Apr 18, 2024 12:25 PM

Pre-Screening Questions

Review the notice filing requirements for project areas to ensure you are required to submit a notice before you begin your submission. For more information, visit our Excess Soil <u>webpage</u> If you voluntarily file a project area notice, you will be required to pay the applicable fees and your notice will be publicly available.

Do you wish to proceed?

Yes

Contact Details

Contact Name Robert Gourlay

Contact Type Operator

Company Name

Robert Gourlay Equipment

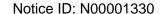
bobgourlay@sympatico.ca

Business Phone Number 6138228722

Address 6431 Bank Street, Ottawa, Ontario, K0A 2P0

Contact Name Domenic LaDuca
Contact Type Project Leader

Company Name Hawkins Properties





Email mladuca@hawkinsproperties.org

Business Phone Number 6135396440

Address 650a Eagleson Road, Kanata, Ontario, K2M1h4

Contact Name Gregory Sabourin
Contact Type Authorized Person

Company Name

Terrapex Environmental Inc.

Email

g.sabourin@terrapex.com

Business Phone Number 6135587571

Address 20 Gurdwara ON, Ottawa, Ontario, K2E 8B3

Contact Name Robert Gourlay

Contact Type Responsible for Transportation

Company Name

Robert Gourlay Equipment

bobgourlay@sympatico.ca

Business Phone Number 6138228722

Address 6431 Bank Street, Ottawa, Ontario, K0A2P0

Project Details

Project Type Soil remediation

Project Name MM24/25

Description of the Project Remedial Excavation of petroleum impacted soil

at a former retail fuel outlet.

Description of the Location of the Project

Area

Former retail fuel outlet at 5650 Manotick Main

Street, Ottawa, Ontario





Property Locations

Property Type Non-linear Property

Primary Property

Municipality Ottawa, City of

Property Description Former retail fuel outlet located at the southern

side of Manotick Main Street

Latitude 45.220121 Longitude -75.676855

Legal Description of the Property Part of Lot 4, Concession A North Gower (aka

Concession Broken Front)

Qualified Person retained to prepare or oversee the preparation of documents

Was a Qualified Person retained to prepare Yes

or oversee the preparation of documents

required under the regulation?

Contact Name Gregory Sabourin

Company Name Terrapex Environmental Ltd.

Email g.sabourin@terrapex.com

Business Phone Number 6135587571

Address 20 Gurdwara Road, Ottawa, Ontario, K2E 8B3

Peer Review or Certification Process

Was a peer review or certification process No

undertaken for this project?





Soil Details

Applicable Excess Soil Quality Standards

Table	Type of Property Use	Estimated Amount of Excess Soil (m3)	
Does not meet a standard	Not Applicable	1500	
	Total Estimated Amount of Excess Soil (m3)	1500.00	

List of Substances

Use of Substance	Category	Name of Substance

Destination Sites

Site Type Landfill or Dump

Site Name GFL Moose Creek Landfill

Location 17125 LaFleche Road, Moose Creek, Ontario,

KOC1W0, Ontario KOC1W0 Canada

Community North Stormont, Township of

Latitude **45.30693**Longitude **-74.995858**

Estimated Amount of Excess Soil (m3) 1500

ATTACHMENT B SITE PHOTOGRAPHS



Page 1 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON Project No: CO884.03

Photo No: 1

Date: April 15, 2024

Viewing Direction:

southwest

Description:

View of test pit TP108.



Photo No: 2

Date: April 15, 2024

Viewing Direction:

west

Description:

View of test pit TP108.





Page 2 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 3

Date: April 18, 2024

Viewing Direction:

northwest

Description:

View of the area of the southern excavation.



Photo No: 4

Date: April 18, 2024

Viewing Direction:

southeast

Description:

View of the area of the southern excavation.





Page 3 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 5

Date: April 23, 2024

Viewing Direction:

northwest

Description:

View of the clean stockpile SP200.



Photo No: 6

Date: April 18, 2024

Viewing Direction:

northwest

Description:

View of the clean stockpile SP100.





Page 4 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 7

Date: April 18, 2024

Viewing Direction:

southeast

Description:

View of stockpiled contaminated soil.



Photo No: 8

Date: April 18, 2024

Viewing Direction:

west

Description:

View of the final dimension of the southern excavation.





Page 5 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 9

Date: April 24, 2024

Viewing Direction:

east

Description:

View of the central portion of the northern excavation and the removal of MW112.



Photo No: 10

Date: April 23, 2024

Viewing Direction:

south

Description:

View of the northern excavation along the eastern property line (east wall).





Page 6 of 6

Client: 595831 Ontario

Inc.

Site Location: 5646 and 5650 Manotick Main

Street, Ottawa, ON

Project No: CO884.03

Photo No: 11

Date: April 24, 2024

Viewing Direction: southwest

Description:

View of the shipping of contaminated soil.



ATTACHMENT C WASTE DOCUMENTATION

Moose Creek Weigh Bills

	Ticket Number	Date (entered Moose Creek)	Qt. (kg)
1	611412	23-Apr-24	31950
2	611459	24-Apr-24	27610
3	611449	24-Apr-24	36140
4	611465	24-Apr-24	45610
5	611471	24-Apr-24	26730
6	611474	24-Apr-24	14680
7	611517	24-Apr-24	24080
8	611525	24-Apr-24	21010
9	611532	24-Apr-24	19960
10	611539	24-Apr-24	19030
11	611550	24-Apr-24	34780
12	611587	24-Apr-24	18550
13	611589	24-Apr-24	12020
14	611579	24-Apr-24	23770
15	611605	25-Apr-24	21210
16	611645	25-Apr-24	27650
17	611655	25-Apr-24	15690
18	611662	25-Apr-24	26410
19	611669	25-Apr-24	27400
20	611930	25-Apr-24	46400

520680

520.68



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 23/04/2024 8:20 am EXIT: 23/04/2024 8:20 am

GROSS 51600 kg Manual TARE 19650 kg Manual

NET 31950 kg

Qty Unit Description

31.95 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611412

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON K0C 1W0

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 23/04/2024 8:20 am EXIT: 23/04/2024 8:20 am

GROSS 51600 kg k Manual TARE 19650 kg Manual

NET 31950 kg

QTY Unit Description

31.95 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE #: PA27014

CONTAINER: LICENSE:

REFERENCE: GFL MANUAL #29831

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: PA27014

CONTAINER:

LICENSE:

REFERENCE: GFL MANUAL #29831



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:27 am EXIT: 24/04/2024 10:51 am

GROSS 48730 kg Scale In TARE 21120 kg Scale Out

NET 27610 kg

Qty Unit Description

27.61 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611459

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:27 am EXIT: 24/04/2024 10:51 am

GROSS 48730 kg k Scale In TARE 21120 kg Scale Out

NET 27610 kg

QTY Unit Description

27.61 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

LICENSE: BC 82042

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82042

CONTAINER:

LICENSE: BC 82042



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:10 am EXIT: 24/04/2024 10:31 am

GROSS 57070 kg Scale In TARE 20930 kg Scale Out

NET 36140 kg

Qty Unit Description

36.14 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611449

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:10 am EXIT: 24/04/2024 10:31 am

GROSS 57070 kg k Scale In TARE 20930 kg Scale Out

NET 36140 kg

QTY Unit Description

36.14 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc.

17125 Lafleche Road

MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:30 am EXIT: 24/04/2024 11:12 am

GROSS 65630 kg Scale In TARE 20020 kg Scale Out

NET 45610 kg

Qty Unit Description

45.61 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611465

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:30 am EXIT: 24/04/2024 11:12 am

GROSS 65630 kg k Scale In TARE 20020 kg Scale Out

NET 45610 kg

QTY Unit Description

45.61 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: PA34310

CONTAINER:

LICENSE: PA34310

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: PA34310

CONTAINER:

LICENSE: PA34310



GFL Environmental Inc.

17125 Lafleche Road

MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:50 am EXIT: 24/04/2024 11:18 am

GROSS 46690 kg Scale In TARE 19960 kg Scale Out

NET 26730 kg

Qty Unit Description

26.73 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611471

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:50 am EXIT: 24/04/2024 11:18 am

GROSS 46690 kg k Scale In TARE 19960 kg Scale Out

NET 26730 kg

QTY Unit Description

26.73 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:56 am EXIT: 24/04/2024 11:23 am

29600 kg Scale In GROSS 14920 kg TARE Scale Out

14680 kg NET

Qty Unit Description

14.68 MT CONTAMINATED SOIL

> Have A Nice Day! **ALL SALES ARE FINAL**

SIGNATURE:

TICKET#: 611474

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:56 am EXIT: 24/04/2024 11:23 am

GROSS 29600 kg k Scale In 14920 Scale Out **TARE** kg

14680 NET kq

QTY Unit Description

14.68 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

BE 21121 LICENSE:

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

BE 21121 VEHICLE:

CONTAINER:

BE 21121 LICENSE:



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 12:58 pm EXIT: 24/04/2024 1:23 pm

GROSS 45180 kg Scale In TARE 21100 kg Scale Out

NET 24080 kg

Qty Unit Description

24.08 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611517

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 12:58 pm EXIT: 24/04/2024 1:23 pm

GROSS 45180 kg k Scale In TARE 21100 kg Scale Out

NET 24080 kg

QTY Unit Description

24.08 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:24 pm EXIT: 24/04/2024 1:42 pm

Scale In GROSS 42120 kg 21110 kg TARE Scale Out

21010 kg NET

Qty Unit Description

21.01 MT CONTAMINATED SOIL

> Have A Nice Day! **ALL SALES ARE FINAL**

SIGNATURE:

TICKET#: 611525

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776 HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:24 pm EXIT: 24/04/2024 1:42 pm

GROSS 42120 kg k Scale In 21110 kg Scale Out **TARE**

21010 kg NET

QTY Unit Description

21.01 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

BC 82042 LICENSE:

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

BC 82042 VEHICLE:

CONTAINER:

BC 82042 LICENSE:



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:38 pm EXIT: 24/04/2024 2:03 pm

GROSS 39890 kg Scale In TARE 19930 kg Scale Out

NET 19960 kg

Qty Unit Description

19.96 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611532

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:38 pm EXIT: 24/04/2024 2:03 pm

GROSS 39890 kg k Scale In TARE 19930 kg Scale Out

NET 19960 kg

QTY Unit Description

19.96 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:11 pm EXIT: 24/04/2024 2:23 pm

GROSS 34100 kg Scale In TARE 15070 kg Scale Out

NET 19030 kg

Qty Unit Description

19.03 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611539

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON K0C 1W0

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:11 pm EXIT: 24/04/2024 2:23 pm

GROSS 34100 kg k Scale In TARE 15070 kg Scale Out

NET 19030 kg

QTY Unit Description

19.03 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

LICENSE: BE 21121

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BE 21121

CONTAINER:

LICENSE: BE 21121



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:30 pm EXIT: 24/04/2024 2:57 pm

GROSS 54760 kg Scale In TARE 19980 kg Scale Out

NET 34780 kg

Qty Unit Description

34.78 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611550

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:30 pm EXIT: 24/04/2024 2:57 pm

GROSS 54760 kg k Scale In TARE 19980 kg Scale Out

NET 34780 kg

QTY Unit Description

34.78 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: PA34810

CONTAINER:

LICENSE: PA34810

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: PA34810

CONTAINER:

LICENSE: PA34810



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:12 pm EXIT: 24/04/2024 4:32 pm

GROSS 38430 kg Scale In TARE 19880 kg Scale Out

NET 18550 kg

Qty Unit Description

18.55 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611587

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:12 pm EXIT: 24/04/2024 4:32 pm

GROSS 38430 kg k Scale In TARE 19880 kg Scale Out

NET 18550 kg

QTY Unit Description

18.55 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:33 pm EXIT: 24/04/2024 4:45 pm

GROSS 27060 kg Scale In TARE 15040 kg Scale Out

NET 12020 kg

Qty Unit Description

12.02 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611589

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:33 pm EXIT: 24/04/2024 4:45 pm

GROSS 27060 kg k Scale In TARE 15040 kg Scale Out

NET 12020 kg

QTY Unit Description

12.02 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

LICENSE: BE 21121

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BE 21121

CONTAINER:

LICENSE: BE 21121



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 3:38 pm EXIT: 24/04/2024 4:04 pm

GROSS 44610 kg Scale In TARE 20840 kg Scale Out

NET 23770 kg

Qty Unit Description

23.77 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611579

GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK, ON K0C 1W0

(a.c.) The second second

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 3:38 pm EXIT: 24/04/2024 4:04 pm

GROSS 44610 kg k Scale In TARE 20840 kg Scale Out

NET 23770 kg

QTY Unit Description

23.77 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 7:51 am EXIT: 25/04/2024 8:10 am

GROSS 42460 kg Scale In TARE 21250 kg Scale Out

NET 21210 kg

Qty Unit Description

21.21 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611605

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 7:51 am EXIT: 25/04/2024 8:10 am

GROSS 42460 kg k Scale In TARE 21250 kg Scale Out

NET 21210 kg

QTY Unit Description

21.21 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

LICENSE: BC 82042 REFERENCE: MM24

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82042

CONTAINER:

LICENSE: BC 82042 REFERENCE: MM24



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(010) TOO OTTO

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 9:39 am EXIT: 25/04/2024 9:59 am

GROSS 48490 kg Scale In TARE 20840 kg Scale Out

NET 27650 kg

Qty Unit Description

27.65 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611645

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 9:39 am EXIT: 25/04/2024 9:59 am

GROSS 48490 kg k Scale In TARE 20840 kg Scale Out

NET 27650 kg

QTY Unit Description

27.65 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:31 am EXIT: 25/04/2024 10:43 am

Scale In GROSS 30930 kg 15240 kg TARE Scale Out

15690 kg NET

Qty Unit Description

15.69 MT CONTAMINATED SOIL

> Have A Nice Day! **ALL SALES ARE FINAL**

SIGNATURE:

TICKET#: 611655

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776 HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:31 am EXIT: 25/04/2024 10:43 am

GROSS 30930 kg k Scale In Scale Out 15240 **TARE** kg

15690 NET kq

QTY Unit Description

15.69 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

BE 21121 LICENSE:

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

BE 21121 VEHICLE:

CONTAINER:

BE 21121 LICENSE:



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:45 am EXIT: 25/04/2024 11:07 am

GROSS 47590 kg Scale In TARE 21180 kg Scale Out

NET 26410 kg

Qty Unit Description

26.41 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611662

GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK, ON K0C 1W0

(0.10) TOO STEEL , OIL ING

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:45 am EXIT: 25/04/2024 11:07 am

GROSS 47590 kg k Scale In TARE 21180 kg Scale Out

NET 26410 kg

QTY Unit Description

26.41 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

LICENSE: BC 82042

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82042

CONTAINER:

LICENSE: BC 82042



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 11:08 am EXIT: 25/04/2024 11:29 am

GROSS 47340 kg Scale In TARE 19940 kg Scale Out

NET 27400 kg

Qty Unit Description

27.40 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611669

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON K0C 1W0

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 11:08 am EXIT: 25/04/2024 11:29 am

GROSS 47340 kg k Scale In TARE 19940 kg Scale Out

NET 27400 kg

QTY Unit Description

27.40 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 3:09 pm EXIT: 25/04/2024 3:09 pm

GROSS 66370 kg Manual TARE 19970 kg Manual

NET 46400 kg

Qty Unit Description

46.40 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611930

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 3:09 pm EXIT: 25/04/2024 3:09 pm

GROSS 66370 kg k Manual TARE 19970 kg Manual

NET 46400 kg

QTY Unit Description

46.40 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE #: PA34310

CONTAINER:

LICENSE: PA34310

REFERENCE: GFL MANUAL #29834

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: PA34310

CONTAINER:

LICENSE: PA34310

REFERENCE: GFL MANUAL #29834

ATTACHMENT D TEST PIT LOGS

TP101 Date: 12-APR-2024

	Stratigraphy	Sample Data				
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-	
0.5 - 4.0	SILTY CLAY TO CLAYEY SILT Trace sand Brown, moist	None	<5 ppm	TP101-1	1.0	
		None	<5 ppm	TP102-2	2.0	
3.0	Grey	None	<5 ppm	TP101-3	3.0	
		None	<5 ppm	TP101-4	4.0	BTEX, PHCs
4.0	END OF TEST PIT					

TP102 Date: 12-APR-2024

	Stratigraphy		Sample Data				
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments	
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-		
0.5 - 4.0	SILTY CLAY TO CLAYEY SILT Grey, moist	Slight	220 ppm	TP102-1	1.0		
		Moderate	510 ppm	TP102-2	2.0		
		Moderate	310 ppm	TP102-3	3.0		
4.0	Brown	Slight	410 ppm	TP102-4	4.0		
		None	<5 ppm	TP102-5	5.0		
		None	<5 ppm	TP102-6	5.5		
5.5	END OF TEST PIT						

TP103 Date: 12-APR-2024

	Stratigraphy	Sample Data				
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	None	<5 ppm	TP103-1	0.5	
0.5 - 4.0	SILTY CLAY TO CLAYEY SILT Grey, moist	None	<5 ppm	TP103-2	1.0	
		None	<5 ppm	TP103-3	2.0	
		Slight	<5 ppm	TP103-4	3.0	BTEX, PHCs
		None	<5 ppm	TP103-5	3.5	
		None	<5 ppm	TP103-6	4.0	
4.0	END OF TEST PIT					

TP104 Date: 12-APR-2024

	Stratigraphy	Sample Data				
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-	
0.5 – 3.0	SILTY CLAY TO CLAYEY SILT Trace sand Grey, moist	None	<5 ppm	TP104-1	1.0	
		None	75 ppm	TP104-2	2.0	BTEX, PHCs
3.0	Wet	None	50 ppm	TP104-3	3.0	
		None	<5 ppm	TP104-4	4.0	
4.0	END OF TEST PIT					

TP105 Date: 12-APR-2024

	Stratigraphy	Sample Data				
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-	
0.5 – 3.0	SILTY CLAY TO CLAYEY SILT Brown, moist	None	<5 ppm	TP105-1	1.0	
		None	<5 ppm	TP105-2	2.0	
2.5	Grey, trace sand	None	<5 ppm	TP105-3	2.5	
		None	<5 ppm	TP105-4	3.0	BTEX, PHCs
3.0	END OF TEST PIT					

TP106 Date: 15-APR-2024

	Stratigraphy		Sample Data				
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments	
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-		
0.5 – 5.0	SILTY CLAY TO CLAYEY SILT Trace sand Brown, moist	None	<5 ppm	TP106-1	1.0		
		None	<5 ppm	TP106-2	2.0		
		None	<5 ppm	TP106-3	3.0		
		None	<5 ppm	TP106-4	4.0		
		None	<5 ppm	TP106-5	5.0		
5.0	END OF TEST PIT						

TP107 Date: 15-APR-2024

	Stratigraphy		Sample Data				
Depth (m)	Soil Description	Odours	csv	I.D.	Depth (m)	Lab Analysis/ Comments	
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-		
0.5 - 5.0	SILTY CLAY TO CLAYEY SILT Grey, moist	None	<5 ppm	TP107-1	1.0		
		None	<5 ppm	TP107-2	2.0		
		None	25 ppm	TP107-3	3.0		
		None	<5 ppm	TP107-4	4.0		
		None	<5 ppm	TP107-5	5.0		
5.0	END OF TEST PIT						

TP108 Date: 15-APR-2024

	Stratigraphy		Sample Data				
Depth (m)	Soil Description	Odours	csv	I.D.	Depth (m)	Lab Analysis/ Comments	
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-		
0.5 - 5.0	SILTY CLAY TO CLAYEY SILT Trace sand Brown, moist	None	<5 ppm	TP108-1	1.0		
		None	15 ppm	TP108-2	2.0	BTEX, PHCs	
		None	<5 ppm	TP108-3	3.0		
		None	<5 ppm	TP108-4	4.0		
		None	<5 ppm	TP108-5	5.0		
5.0	END OF TEST PIT						

TERRAPEX ENVIRONMENTAL LTD.

ATTACHMENT E LABORATORY CERTIFICATES OF ANALYSIS



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z142310

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 24, 2024

PAGES (INCLUDING COVER): 7 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>	

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
- · This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

AGAT Laboratories (V1)

Page 1 of 7

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AGAT WORK ORDER: 24Z142310

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg.	153(511) - PHCs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-23					DATE REPORTED: 2024-04-24
	S/	AMPLE DESC	RIPTION:	CS129	
		SAMP	LE TYPE:	Soil	
		DATE S	AMPLED:	2024-04-23 10:00	
Parameter	Unit	G/S	RDL	5814724	
Benzene	μg/g	0.4	0.02	< 0.02	
Toluene	μg/g	9	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	
Moisture Content	%		0.1	28.9	
Surrogate	Unit	Acceptable	e Limits		
Toluene-d8	% Recovery	60-14	10	81	
Terphenyl	%	60-14	10	91	





AGAT WORK ORDER: 24Z142310

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-23 DATE REPORTED: 2024-04-24

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5814724 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPopukolof



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z142310

PROJECT: CO884.03 ATTENTION TO: Greg Sabourin SAMPLING SITE:5650 Manotick Main Street SAMPLED BY:E. Boonstra

SAMPLING SITE. 3030 Marioti	SAIVIPLED BT.E. BUUIISITA														
			Trac	e Or	gani	cs Ar	alysi	is							
RPT Date: Apr 24, 2024			С	UPLICAT	E		REFERENCE MATERIAL			METHOD	BLANK	SPIKE	MATRIX SPIKE		KE
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	منا أ	ptable nits
		lu lu					value	e Lower Uppe			Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (Soil)														
Benzene	5809334		< 0.02	< 0.02	NA	< 0.02	100%	60%	140%	112%	60%	140%	90%	60%	140%
Toluene	5809334		<0.05	< 0.05	NA	< 0.05	80%	60%	140%	99%	60%	140%	88%	60%	140%
Ethylbenzene	5809334		<0.05	< 0.05	NA	< 0.05	88%	60%	140%	109%	60%	140%	88%	60%	140%
m & p-Xylene	5809334		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	98%	60%	140%	93%	60%	140%
o-Xylene	5809334		<0.05	<0.05	NA	< 0.05	108%	60%	140%	107%	60%	140%	96%	60%	140%
F1 (C6 to C10)	5809334		<5	<5	NA	< 5	103%	60%	140%	106%	60%	140%	93%	60%	140%
F2 (C10 to C16)	5807322		< 10	< 10	NA	< 10	106%	60%	140%	116%	60%	140%	121%	60%	140%
F3 (C16 to C34)	5807322		< 50	< 50	NA	< 50	104%	60%	140%	124%	60%	140%	115%	60%	140%
F4 (C34 to C50)	5807322		< 50	< 50	NA	< 50	66%	60%	140%	82%	60%	140%	106%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).





Time Markers

AGAT WORK ORDER: 24Z142310

SS

PD

SS

PROJECT: CO884.03

24-APR-2024

24-APR-2024

24-APR-2024

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample Description

F4 (C34 to C50)

Moisture Content

Terphenyl

Gravimetric Heavy Hydrocarbons

Sample ID

D ATTENTION TO: Greg Sabourin
Sample Type Date Sampled Date Received

5814724	CS129	Soil	23-APR-2024	23-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
	Parameter	Date Prepare	d Date Analyze	d Initials
	Benzene	24-APR-2024	4 24-APR-2024	VB
	Toluene	24-APR-2024	4 24-APR-2024	VB
	Ethylbenzene	24-APR-2024	4 24-APR-2024	VB
	m & p-Xylene	24-APR-2024	4 24-APR-2024	VB
	o-Xylene	24-APR-2024	4 24-APR-2024	VB
	Xylenes (Total)	24-APR-2024	4 24-APR-2024	SYS
	F1 (C6 to C10)	24-APR-2024	4 24-APR-2024	VB
	F1 (C6 to C10) minus BTEX	24-APR-2024	4 24-APR-2024	SYS
	Toluene-d8	24-APR-2024	4 24-APR-2024	VB
	F2 (C10 to C16)	24-APR-2024	4 24-APR-2024	SS
	F3 (C16 to C34)	24-APR-2024	4 24-APR-2024	SS

24-APR-2024

24-APR-2024

24-APR-2024



Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z142310

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis		•	
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

GGT Laboratories



5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2

J. U	La La	borat	ories	S	ave reedb Scan here t quick surv	for a Ph:	M 905.71	.2,510	00 Fa:	Ontario x: 905. rth,aga	712.	5122		-						12310	-
hain of C	ustody Record	If this is a	se use Drini	king Water Chain of Custody Form (potabl	e water	consun	ned by	humans	;)			A	rrival	Quant Tempe Tempe	rature	5:		e10 3.9 13	.8		
Report Inform Company:	nation: Terrapex				Reg	gulatory Requirements: a chack all applicable boxes)								C		ly Seal	Intact	:	□Yes	□No	□N/A
Contact: Address:	Greg Sabourin 1-20 Gurdwara Road Ottawa, ON K2E 8B3			Regulation 153/04 Regulation 406 Sewer Use Sanitary Storm Table Indicate One Indicate One Region								Turnaround Time (TAT) Required:									
Phone: Reports to be sent to: 1. Email:	ports to be sent to:			Ind/Com Ind/Com Region Res/Park Res/Park Prov. Wate Objectives Court Check One Regulation 558 Other									Regular TAT 5 to 7 Business Days Rush TAT (Rush Surcharges Apply) 3 Business 2 Business Next Busines								Business
2. Email:					11 -	Coarse CCME				to One			-			Days OR Da	ate Re	L quired	□ Days	Day parges May Apply	
Project Information: Project: CO884.03 Site Location: 5650 Manotick Main Street Sampled By: E. Boonstra				0	of Site Condition (RSC)? Yes No	Report Guideline on Certificate of Analysis Yes No							Please provide prior notification for rush TAT *TAT is exclusive of weekends and statutory holidays For 'Same Day' analysis, please contact your AGAT CSR								
AGAT Quote #:	17116440659 - So 2024 Please note: If quotation number is n	PO:PO:	be billed full price for a	nalysis.	Lega	al Sample 🔲	crvi, Doc	C	Reg 1	.53					. Reg	_	0. R				(Y/N)
Invoice Inform Company: Contact: Address: Email:	Terrapex accounts.payable@terrapex.		ill To Same: Ye	s ☑ No □	Sam GW O P	Ground Water SD Sediment Oil SW Surface Water Paint R Rock/Shale Soil	Field Filtered - Metals, Hg, Cr	& Inorganics	□ CrVI, □ Hg, □ HWSB	F1-F4 PHCs			PCBs; Arodors	tion 406 Characterization Package tals, BTEX, F1-F4		tion 406 SPLP Rainwater Leach	l isi	ICLF: LIMM LIVOUS LIABNE LIB(a)P LIPOBS Corrosivity: Moisture Sulphide	Brex-F		Potentially Hazardous or High Concentration (Y/N)
	e Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Y/N	Metals	Metals - [ا ت	200	PAHS	PCBs:/	Regulation pH, Metals,	EC, SAR	Regulation mSPLP:	Landfill	Corros	8		Potentia
. CS	132 129 Whamaj Blank	APITALLY	10:30 PM 10:40 PM 13:00 MM	2 2 7	\$ -	Reg TAT I-Don TAT Reg TAT Reg TAT	2222			X											
	4 7 2 3		AM PM AM PM AM PM			702 171				A											
			AM PM AM PM																		
O. 1. Inples Relinquished By (Print)	t Natio and Sign):		AM PM AM PM	†ime		Saphile Recorded By (Print Hame and Spril)						Date	O4I	1250	VIT	ma					
finales Relinaulined by (Print	Clame and Sign!		23 4 6 Out 25/2	24 2 14 75	120 100	Samples Received By (Print Name and Sign)					r	Date Date	1	29		14/ 8	50) A	Page_	of	-

Laboratory Use Only 24 Z142312



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z142312

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: Apr 30, 2024

PAGES (INCLUDING COVER): 9 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

Notes	

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

AGAT Laboratories (V1)

Page 1 of 9

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Western Enviro-Agricultural Laboratory Association (WEALA) Environmental Services Association of Alberta (ESAA)



AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

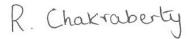
5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	ICs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-23						DATE REPORTED: 2024-04-30
	Si	AMPLE DESC	RIPTION:	CS132	CS144	
		SAMP	LE TYPE:	Soil	Soil	
		DATE S	AMPLED:	2024-04-23 10:30	2024-04-23 11:00	
Parameter	Unit	G/S	RDL	5814759	5814765	
Benzene	μg/g	0.4	0.02	<0.02	<0.02	
Toluene	μg/g	9	0.05	<0.05	<0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	<0.05	
m & p-Xylene	μg/g		0.05	<0.05	<0.05	
o-Xylene	μg/g		0.05	<0.05	<0.05	
Xylenes (Total)	μg/g	30	0.05	<0.05	<0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	
Moisture Content	%		0.1	32.6	21.7	
Surrogate	Unit	Acceptable	e Limits			
Toluene-d8	% Recovery	60-14	40	96	92	
Terphenyl	%	60-14	40	70	74	





AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-23 DATE REPORTED: 2024-04-30

Comments: RDL - Reported Detection Limit: G / S - Guideline / Standard: Refers to Table 2; Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5814759-5814765 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraberty



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

Certificate of Analysis

AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin

SAMPLED BY: E. Boonstra

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

DATE RECEIVED: 2024-04-23 **DATE REPORTED: 2024-04-30** SAMPLE DESCRIPTION: Methanol Blank MeOH SAMPLE TYPE: DATE SAMPLED: 2024-04-23 13:00 Parameter Unit G/S RDL 5814764 Benzene μg/g 0.4 0.02 < 0.02 Toluene μg/g 9 0.05 < 0.05 0.05 < 0.05 Ethylbenzene 1.6 μg/g m & p-Xylene 0.05 < 0.05 μg/g 0.05 < 0.05 o-Xvlene μg/g Xylenes (Total) 30 0.05 < 0.05 μg/g F1 (C6 to C10) 65 μg/g 5 <5 F1 (C6 to C10) minus BTEX μg/g 65 <5 Surrogate Unit Acceptable Limits 96 Toluene-d8 % Recovery 60-140

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5814764 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraberty



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

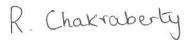
SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z142312
ATTENTION TO: Greg Sabourin
SAMPLED BY:E. Boonstra

			Trac	e Or	gani	cs Ar	nalys	is							
RPT Date: Apr 30, 2024				UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MATRIX SPIKE		
PARAMETER	Batch	Sample	Dup #1	Dup #2	p #2 RPD	Method Blank	Measured	Acceptable Limits		Recovery	1 :	ptable nits	Recovery	1 :-	ptable nits
.,		ld	- 34		=		Value	Lower	Upper		Lower	Upper	,	Lower	Upper
O. Reg. 153(511) - PHCs F1 - F	4 (Soil)	•				•	•								
Benzene	5816966		< 0.02	< 0.02	NA	< 0.02	82%	60%	140%	89%	60%	140%	87%	60%	140%
Toluene	5816966		< 0.05	< 0.05	NA	< 0.05	93%	60%	140%	105%	60%	140%	105%	60%	140%
Ethylbenzene	5816966		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	88%	60%	140%	82%	60%	140%
m & p-Xylene	5816966		< 0.05	< 0.05	NA	< 0.05	98%	60%	140%	89%	60%	140%	84%	60%	140%
o-Xylene	5816966		<0.05	<0.05	NA	< 0.05	103%	60%	140%	88%	60%	140%	84%	60%	140%
F1 (C6 to C10)	5816966		<5	<5	NA	< 5	96%	60%	140%	96%	60%	140%	98%	60%	140%
F2 (C10 to C16)	5822848		< 10	< 10	NA	< 10	111%	60%	140%	87%	60%	140%	91%	60%	140%
F3 (C16 to C34)	5822848		< 50	< 50	NA	< 50	110%	60%	140%	112%	60%	140%	117%	60%	140%
F4 (C34 to C50)	5822848		< 50	< 50	NA	< 50	85%	60%	140%	78%	60%	140%	99%	60%	140%
O. Reg. 153(511) - PHCs F1/B1	EX (MeOH)														
Benzene	5816966		< 0.02	< 0.02	NA	< 0.02	82%	60%	140%	89%	60%	140%	87%	60%	140%
Toluene	5816966		< 0.05	< 0.05	NA	< 0.05	93%	60%	140%	105%	60%	140%	105%	60%	140%
Ethylbenzene	5816966		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	88%	60%	140%	82%	60%	140%
m & p-Xylene	5816966		< 0.05	< 0.05	NA	< 0.05	98%	60%	140%	89%	60%	140%	84%	60%	140%
o-Xylene	5816966		<0.05	<0.05	NA	< 0.05	103%	60%	140%	88%	60%	140%	84%	60%	140%
F1 (C6 to C10)	5816966		<5	<5	NA	< 5	96%	60%	140%	96%	60%	140%	98%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).





CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

-	IL. TERRAL EX ENVIRONMENTAL ENV				
Sample ID	Sample Description	Sample Type	Dat	te Sampled	Date Received
5814759	CS132	Soil	23	-APR-2024	23-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Benzene	26-APR-	-2024	26-APR-2024	VB
	Toluene	26-APR-	-2024	26-APR-2024	VB
	Ethylbenzene	26-APR-	-2024	26-APR-2024	
	m & p-Xylene	26-APR-	-2024	26-APR-2024	
	o-Xylene	26-APR-	-2024	26-APR-2024	VB
	Xylenes (Total)	26-APR-	-2024	26-APR-2024	SYS
	F1 (C6 to C10)	26-APR-		26-APR-2024	
	F1 (C6 to C10) minus BTEX	26-APR-		26-APR-2024	
	Toluene-d8	26-APR-		26-APR-2024	
	F2 (C10 to C16)	29-APR-		29-APR-2024	
	F3 (C16 to C34)	29-APR-		29-APR-2024	
	F4 (C34 to C50)	29-APR-		29-APR-2024	
	Gravimetric Heavy Hydrocarbons	2571111	2024	23 /11 11 2024	00
	Moisture Content	26-APR-	2024	26-APR-2024	PD
	Terphenyl	29-APR-		29-APR-2024	
	тегрпепуг	29-AFN-	-2024	29-AFR-2024	33
F04.470.4	Mathemal Dioni	MaOU	00	A DD 0004	00 4 DD 0004
5814764	Methanol Blank	MeOH	23	-APR-2024	23-APR-2024
	O. Reg. 153(511) - PHCs F1/BTEX (MeOH)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Benzene	26-APR-	-2024	26-APR-2024	VB
	Toluene	26-APR-	-2024	26-APR-2024	VB
	Ethylbenzene	26-APR-	-2024	26-APR-2024	VB
	m & p-Xylene	26-APR-	-2024	26-APR-2024	VB
	o-Xylene	26-APR-		26-APR-2024	
	Xylenes (Total)	26-APR-		26-APR-2024	
	F1 (C6 to C10)	26-APR-		26-APR-2024	
	F1 (C6 to C10) minus BTEX	26-APR-		26-APR-2024	
	Toluene-d8	26-APR-		26-APR-2024	
	i oldorio-do	20-AFIN-	2027	20-A1 N-2024	VD
E91476F	CS144	Soil	22	A DD 2024	22 A DD 2024
5814765	03144	3011	23	-APR-2024	23-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Benzene	26-APR-	-2024	26-APR-2024	VB
	Toluene	26-APR-	-2024	26-APR-2024	VB
	Ethylbenzene	26-APR-	-2024	26-APR-2024	VB
	m & p-Xylene	26-APR-		26-APR-2024	
	. 1 . 9				



Time Markers

AGAT WORK ORDER: 24Z142312

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5814765CS144Soil23-APR-202423-APR-2024

0	Rea	153(511)	- PHCs	F1 - F	4 (Soil)

O. Reg. 155(511) - PHOS F1 - F4 (5011)			
Parameter	Date Prepared	Date Analyzed	Initials
o-Xylene	26-APR-2024	26-APR-2024	VB
Xylenes (Total)	26-APR-2024	26-APR-2024	SYS
F1 (C6 to C10)	26-APR-2024	26-APR-2024	VB
F1 (C6 to C10) minus BTEX	26-APR-2024	26-APR-2024	SYS
Toluene-d8	26-APR-2024	26-APR-2024	VB
F2 (C10 to C16)	29-APR-2024	29-APR-2024	SS
F3 (C16 to C34)	29-APR-2024	29-APR-2024	SS
F4 (C34 to C50)	29-APR-2024	29-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	26-APR-2024	26-APR-2024	PD
Terphenyl	29-APR-2024	29-APR-2024	SS

5835 COOPERS AVENUE http://www.agatlabs.com

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z142312 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main	Street	SAMPLED BY:E. Boonstra								
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE							
Trace Organics Analysis			1							
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS							
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS							
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS							
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS							
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS							
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS							
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID							
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID							
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS							
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID							
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID							
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID							
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE							
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE							
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID							
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS							
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS							
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS							
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS							
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS							
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS							
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID							

GGGT Laboratories

Have feedback? Scan here for a



5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2 Ph: 905.712.5100 Fax: 905.712.5122 webearth.agatlabs.com

Cooler Quantity: Me - COSEICO **Chain of Custody Record** Arrival Temperatures: If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans) Depot Temperatures: 4. Report Information: **Regulatory Requirements:** Custody Seal Intact: ☐Yes Company: Terrapex (Please check all applicable hoves) banged-u Contact: Greg Sabourin Sewer Use Regulation 153/04 | Regulation 406 1-20 Gurdwara Road Sanitary Storm Address: Turnaround Time (TAT) Required: Table Indicate One Ottawa, ON K2E 8B3 Ind/Com Ind/Com Regular TAT 5 to 7 Business Days FiRes/Park Rush TAT (Rush Surcharges Apply) See habe □Res/Park 613-745-6471 Phone: Prov. Water Quality Agriculture ☐ Agriculture Reports to be sent to: Objectives (PWQO) Next Business Day g.sabourin@terrapex.com Soil Texture (check One) 1. Email: Days 2 Business 3 Business Regulation 558 Other Coarse ССМЕ 2. Email: Fine OR Date Required (Rush Surcharges May Apply): Indicato One Project Information: is this submission for a Record Report Guideline on of Site Condition (RSC)? Certificate of Analysis Please provide prior notification for rush TAT CO884.03 Project: *TAT is exclusive of weekends and statutory holidays Site Location: 5650 Manotick Main Street X No ☐ Yes ☑\ Yes □ No For 'Same Day' analysis, please contact your AGAT CSR Sampled By: E. Boonstra 0, Reg 153 17116440659 - So 2024 O. Reg 406 AGAT Quote #: CrVI, DOC PO: Concentration (Y/N) Legal Sample Please note: if quotation number is not provided, client will be billed full price for analysis. mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC Landfill Disposal Characterization TCLP: TCLP: ☐M&L ☐VOCs ☐ABNs ☐B(a)P ☐PCBs Regulation 406 SPLP Rainwater Leach Corrosivity:
Molsture
Sulphide Invoice Information: Bill To Same: Yes ☑ No □ Sample Matrix Legend Metals - □ CrVI, □ Hg, □ HWSB Terrapex Company: Ground Water SD Sediment Contact: Potentially Hazardous or High Oil SW Surface Water Address: Paint Rock/Shale BTEX, F1-F4 PHCs accounts.payable@terrapex.com Email: Soil BRE Date Time Comments/ Sample # of Sample Identification Sampled Containers Sampled Matrix Special Instructions 05132 10:30 PM 2 Red TAT 45129 2. 2 (C) CX PM TAT 1 - Day 3. unethound Blains 13:COM 2 _ Rea TAT C5144 11:00 Rea TAT 5. 6. AM PM 8. AM PM 10. 11.

Laboratory Use Only 242142312

Work Order #: 247142310



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin PROJECT: CO884.03

AGAT WORK ORDER: 24Z142833

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 25, 2024

PAGES (INCLUDING COVER): 7 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>*Notes</u>	
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 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

Certificate of Analysis

AGAT WORK ORDER: 24Z142833

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-24					DATE REPORTED: 2024-04-25
	Si	AMPLE DESC	RIPTION:	CS156	
		SAMPL	E TYPE:	Soil	
		DATE SA	AMPLED:	2024-04-23 14:00	
Parameter	Unit	G/S	RDL	5817862	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	
Moisture Content	%		0.1	15.8	
Surrogate	Unit	Acceptable	Limits		
Toluene-d8	% Recovery	60-14	0	78	
Terphenyl	%	60-14	0	96	
1					





AGAT WORK ORDER: 24Z142833

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-24 DATE REPORTED: 2024-04-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5817862 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPopukolof



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z142833
ATTENTION TO: Greg Sabourin
SAMPLED BY:Eric Boonstra

			Trac	- Or											
			mac	e Or	ganı	cs Ar	nalysi	S							
RPT Date: Apr 25, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD	BLANK	SPIKE	MAT	KE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	lank Measured		ptable nits	Recovery	منا ا	ptable nits	Recovery	1 1 1 1 1	ptable nits
		lu lu	·				Value	Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4	(Soil)	,													
Benzene	5812087		< 0.02	< 0.02	NA	< 0.02	82%	60%	140%	109%	60%	140%	91%	60%	140%
Toluene	5812087		< 0.05	< 0.05	NA	< 0.05	86%	60%	140%	84%	60%	140%	93%	60%	140%
Ethylbenzene	5812087		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	110%	60%	140%	104%	60%	140%
m & p-Xylene	5812087		< 0.05	< 0.05	NA	< 0.05	95%	60%	140%	99%	60%	140%	92%	60%	140%
o-Xylene	5812087		<0.05	<0.05	NA	< 0.05	94%	60%	140%	104%	60%	140%	93%	60%	140%
F1 (C6 to C10)	5812087		<5	<5	NA	< 5	94%	60%	140%	91%	60%	140%	93%	60%	140%
F2 (C10 to C16)	5800315		< 10	< 10	NA	< 10	118%	60%	140%	103%	60%	140%	119%	60%	140%
F3 (C16 to C34)	5800315		< 50	< 50	NA	< 50	114%	60%	140%	126%	60%	140%	125%	60%	140%
F4 (C34 to C50)	5800315		< 50	< 50	NA	< 50	66%	60%	140%	112%	60%	140%	95%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).





Time Markers

AGAT WORK ORDER: 24Z142833

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5817862CS156Soil23-APR-202424-APR-2024

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	25-APR-2024	25-APR-2024	VB
Toluene	25-APR-2024	25-APR-2024	VB
Ethylbenzene	25-APR-2024	25-APR-2024	VB
m & p-Xylene	25-APR-2024	25-APR-2024	VB
o-Xylene	25-APR-2024	25-APR-2024	VB
Xylenes (Total)	25-APR-2024	25-APR-2024	SYS
F1 (C6 to C10)	25-APR-2024	25-APR-2024	VB
F1 (C6 to C10) minus BTEX	25-APR-2024	25-APR-2024	SYS
Toluene-d8	25-APR-2024	25-APR-2024	VB
F2 (C10 to C16)	24-APR-2024	24-APR-2024	SS
F3 (C16 to C34)	24-APR-2024	24-APR-2024	SS
F4 (C34 to C50)	24-APR-2024	24-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content			
Terphenyl	24-APR-2024	24-APR-2024	SS



Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z142833

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:Eric Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

(AGT Laboratories

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Scan here for a quick survey!



5835 Coppers Avenue Saliga Ontario L4Z 1Y2 Laboratory Use Only 242142834

Cooler Quantity: One - Descreto 100

Work Order #: 242142833

Report Inform	ation: Terrapex Envrionmental L	imited			Regi	ulatory Requirements: check all applicable boxes)							100	stody otes:	Seal Int	ect:	<u> </u>	/es]No	7	AN/A
Contact:	Greg Sabourin				TVAeg	gulation 153/04 Regulation 4	06 [[Sew		□ c+			-			F!	/TA	T) D		, de		
Address:	1-20 Gurdwara Road				Tab	Indicate One Table Indicate		Пэя	nitary	LJ Stor	111				ound '	ııme	(IA	ii) Ri	equire	eu.		
	Ottawa, ON K2E 8R3						One		Region				Re	gulai	TAT			5 to 7	Busines	s Days		
Phone:	613-745-6471	Fax:				Res/Park Agriculture Regulation 5	558		. Water			1	Ru	sh TA	T (Rush 5	urcharge	s Apply)				
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com				Soil Te	exture (Check One) Codse	[Obje Othe	ctives (f er	·wwQO)					Busine:	SS		2 Busi Days	ness	\(\sigma^t\)	, Next Bus Day	siness
2, Email:						Fine	-	-	Indicate Oi	ie	_	-		C	R Date	Requir	ed (R	ush Su	ırcharge	s May A	Apply):	
Project Inform	ation.] Is	this submission for a	Re	port	Guide	lne c	n											
	CO884.03				Rec	cord of Site Condition?	Cer	tifica	te of A	naly	sis		1	*7					fication Is and s		n IAI / holiday:	rs .
Project: Site Location:	5650 Manotick Main Stree	et				Yes □ No		Yes			10										GAT CP	
Sampled By:	Eric Boonstra						-1-1	0	Reg 153	1			Н	O. Reg		g 406			T	T		_
AGAT Quote #:	17116440659 - 2024 SO	PO:			Sam	ple Matrix Legend	8	H	1						_							n (Y/k
Invoice Infor	Please note: If quatation number is		Il To Same: Ye		= GW	Ground Water Oil	Field Filtered - Metals, Hg. CrVI, DOC		□HWSB					Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	nwater Leach	tion Package -4	Sulphide					Potentially Hazardous or High Concentration (Y/N)
Company:					P	Paint	etals		至					teriza 3Ns	alnwa s 🗆 s	Characterization (s, BTEX, F1-F4						igh O
Contact:					- SD	Soil Sediment	M - D	છ	핅					narac 	SPLP Rai	aract	sture	1	9/1			S or F
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Email:							Field	অ	0 3	1-1-1		11	nopor	Dispo	JMet	tion 40 MS M	vity:	3Texter				ally Haz
Sami	ole Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Y/N	Metals	Metals -	200	PAHs	PCBs	PCBs: Aradors	Landfill TCLP: [7]	Regulation 406 S	Regulation 406 Characte pH, ICPMS Metals, BTEX,	Corrosivity: Moisture					Potenti
1 (5)	56	APril 23	14:00 AN	2	801	1-Day TAT	~		>	0	100				-				-			-
	1067	AR:123	14:00 AM	2	Soil	REGITAT	-			c									- 1	190		
	16 7	APril 23	14:00 AM		Soil	RegTAT	-			(_
	101	APG123	14:50 AN	2	Soil	Reg. TAT	_			N												-
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	and Blank	-	16:00 AN		-	Reg TAT	-		8									X				
8.	WIDI DIGIDE		AN PN	A																		4
9.			AN PN	1																		
10.			AN PN	4																		
11.			AN PN	4										1								
Samples Relinquished By (R	not Name and Sign!	1	Date	Time		Samples Received By (Print Name and Sign):	1			=	Da	to /	x//s	4	1741	5						
GRES Reinquisted By U	Sobovin -		- AR:1 21/1	Ro24 Time	-7	Samuelan Hilloniyan By IPren Makes affer Stern		-			AD2	ate	70	T	051	10	10	_ Pa	ge /	of	1	
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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z142836

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

DATE REPORTED: Apr 25, 2024

PAGES (INCLUDING COVER): 7 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>	

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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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Western Enviro-Agricultural Laboratory Association (WEALA) Environmental Services Association of Alberta (ESAA) AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.



AGAT WORK ORDER: 24Z142836

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

			O. Reg. 153	(511) - PHCs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-24				DATE REPORTED: 2024-04-25
	SA	AMPLE DESCRIPTION:	CS191	
		SAMPLE TYPE:	Soil	
		DATE SAMPLED:	2024-04-24 14:00	
Parameter	Unit	G/S RDL	5817851	
Benzene	μg/g	0.02	<0.02	
Toluene	μg/g	0.05	<0.05	
Ethylbenzene	μg/g	0.05	<0.05	
m & p-Xylene	μg/g	0.05	<0.05	
o-Xylene	μg/g	0.05	<0.05	
Xylenes (Total)	μg/g	0.05	<0.05	
F1 (C6 to C10)	μg/g	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	5	<5	
F2 (C10 to C16)	μg/g	10	<10	
F3 (C16 to C34)	μg/g	50	<50	
F4 (C34 to C50)	μg/g	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	50	NA	
Moisture Content	%	0.1	31.0	
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	60-140	84	
Terphenyl	%	60-140	72	





AGAT WORK ORDER: 24Z142836

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-24 DATE REPORTED: 2024-04-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

5817851 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene. C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons > C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z142836
ATTENTION TO: Greg Sabourin
SAMPLED BY:Eric Boonstra

Grillia Elita Gri E. 1000 Mandroll of Mand															
			Trac	e Or	gani	cs Ar	nalys	is							
RPT Date: Apr 25, 2024			DUPLICATE				REFERE	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MAT	IKE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank			ptable nits	Recovery	1 1 1 1 1	ptable nits	Recovery	Lin	eptable mits
		lu					value	Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - I	F4 (Soil)														
Benzene	5814558		< 0.02	< 0.02	NA	< 0.02	101%	60%	140%	88%	60%	140%	79%	60%	140%
Toluene	5814558		< 0.05	< 0.05	NA	< 0.05	116%	60%	140%	106%	60%	140%	106%	60%	140%
Ethylbenzene	5814558		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	97%	60%	140%	87%	60%	140%
m & p-Xylene	5814558		< 0.05	< 0.05	NA	< 0.05	95%	60%	140%	98%	60%	140%	88%	60%	140%
o-Xylene	5814558		<0.05	<0.05	NA	< 0.05	92%	60%	140%	100%	60%	140%	91%	60%	140%
F1 (C6 to C10)	5814558		<5	<5	NA	< 5	95%	60%	140%	98%	60%	140%	90%	60%	140%
F2 (C10 to C16)	5812041		< 10	< 10	NA	< 10	114%	60%	140%	76%	60%	140%	101%	60%	140%
F3 (C16 to C34)	5812041		< 50	< 50	NA	< 50	116%	60%	140%	122%	60%	140%	118%	60%	140%
F4 (C34 to C50)	5812041		< 50	< 50	NA	< 50	71%	60%	140%	92%	60%	140%	77%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Jinkal Jotal



Time Markers

AGAT WORK ORDER: 24Z142836

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5817851CS191Soil24-APR-202424-APR-2024

\circ	Rea	153/511) .	. PHCs F1	- F4 (Soil)

O. Neg. 133(311) - F1103 1 1 - 1 4 (3011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	25-APR-2024	25-APR-2024	VB
Toluene	25-APR-2024	25-APR-2024	VB
Ethylbenzene	25-APR-2024	25-APR-2024	VB
m & p-Xylene	25-APR-2024	25-APR-2024	VB
o-Xylene	25-APR-2024	25-APR-2024	VB
Xylenes (Total)	25-APR-2024	25-APR-2024	SYS
F1 (C6 to C10)	25-APR-2024	25-APR-2024	VB
F1 (C6 to C10) minus BTEX	25-APR-2024	25-APR-2024	SYS
Toluene-d8	25-APR-2024	25-APR-2024	VB
F2 (C10 to C16)	25-APR-2024	25-APR-2024	CA
F3 (C16 to C34)	25-APR-2024	25-APR-2024	CA
F4 (C34 to C50)	25-APR-2024	25-APR-2024	CA
Gravimetric Heavy Hydrocarbons			
Moisture Content	25-APR-2024	25-APR-2024	PD
Terphenyl	25-APR-2024	25-APR-2024	CA



Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z142836

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:Eric Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			-
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

AGAT Laboratories

Chain of Custody Record

Have feedback?



If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2 Ph. 305,712,5100 Fax: 905,712,5122 webearth.agatlabs.com

Laboratory	Use Only	
	247	1/12

Work Order #:2	42	14283	16
Cooler Quantity:	0-10	08610	
Arrival Temperatures:	113	111.61	1.9
	2.1	11.1	1.5
Custody Seal Intact:	□Yes	□No	DN/A

Report Inform Company:	nation: Terrapex Envrionmental Li	mited			Reg	gulatory Req	uirements:									stody	Seal In	tact:	-	Yes		□No	1	210/A
Contact:	Greg Sabourin					egulation 153/04	Regulation 4	406	Se	wer Us Sanitary		Storm	1		Total	mar	ound	Time	o (TA	AT) D	equir	od:		
Address:	1-20 Gurdwara Road				- Ta	Ind/Com	Table	000		,									C (17	M IN	equii	cu.		
	Ottawa, ON K2E 8R3					Ind/Com Res/Park	morcare	One		Regio	n				Re	gular	TAT		叫好	5 to 7	Busine	ss Day:	3	
Phone:	613-745-6471	Fax:				Agriculture	Regulation 5	558		v. Wat					Rus	sh TA	(Rush	Surcharg	es Apply	n				
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com					exture (Check One)	ССМЕ		Obj		S (PVV	(QU)					Busine ays	ess	1 1	2 Busi Days	iness		Next Bu	siness
2. Email:	-				_]Fine	1	J	-	Indicat	е Оле			-		C	R Date	Requi	ired (R	lush Su	urcharge	es May	Apply):	
Project Inform Project: Site Location:	nation: CO884.03 5650 Manotick Main Street	t .			Re	this submiss cord of Site C		Ce	eport ertifica	ate o	f An		ls				TAT is ex	clusive	e of we	eekend		statutor	ry holida	
Sampled By:	Eric Boonstra								11 0				_	-	_				iysis, į	Tease	Contac	t your	AGAT CF	TIVI
AGAT Quote #:	17116440659 - 2024 SO	PO:			San	nple Matrix Le	gend	8	l-°	Reg 1	53					0. Reg 558		eg 406	-					N/N/N
	Please note: If quotation number is	not provided client will	be billed full price for	analysis	GW	Ground Water	Solia	ž.	1							- E	- Se	Package	ge					tion
Invoice Inform Company: Contact: Address: Email:	nation:	В	ill To Same: Ye	s 🗷 No 🗆	O P S SD SW	Oil Paint Soil Sediment Surface Water		Field Filtered - Metals, Hg, CrVI, DOC	s & Inorganics	Is - CrvI, C Hg, C HWSB	, F1-F4 PHCs 📝				PCBs: Aroclors	Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	Characterization	Corrosivity: ☐ Moisture ☐ Sulphide					ially Hazardous or High Concent
Samp	le Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix		mments/ I Instructions	Y/N	Metals	Metals	BTEX,	VOC	PAHS	PCBs	PCBs:	Landf TCLP:	Regul SPLP:	Regul	Corro					Potent
1. (5)	91	Pril 24-24	AN PN	2	Soil	1-Day	TAT	_			X													
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Document ID: DIV 78 1511 022

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Date Issued Mar 30, 2023



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z140682

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 25, 2024

PAGES (INCLUDING COVER): 10 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
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 services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	lCs F1 - F4	(Soil)			
DATE RECEIVED: 2024-04-18								DATE REPORTED: 2024-04-25		
	S	SAMPLE DES	CRIPTION:	CS104	CS1004	CS113	CS125			
		SAM	PLE TYPE:	Soil	Soil	Soil	Soil			
		DATE	DATE SAMPLED: 20		DATE SAMPLED:		2024-04-18 09:30	2024-04-18 10:00	2024-04-18 10:20	
Parameter	Unit	G/S	RDL	5806207	5806208	5806209	5806210			
Benzene	μg/g	0.4	0.02	<0.02	<0.02	<0.02	<0.02			
Toluene	μg/g	9	0.05	<0.05	< 0.05	< 0.05	<0.05			
Ethylbenzene	μg/g	1.6	0.05	<0.05	< 0.05	<0.05	< 0.05			
m & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05			
o-Xylene	μg/g		0.05	<0.05	< 0.05	< 0.05	< 0.05			
Xylenes (Total)	μg/g	30	0.05	<0.05	< 0.05	< 0.05	< 0.05			
F1 (C6 to C10)	μg/g	65	5	<5	<5	<5	<5			
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	<5			
F2 (C10 to C16)	μg/g	250	10	<10	<10	<10	<10			
F3 (C16 to C34)	μg/g	2500	50	<50	<50	<50	<50			
F4 (C34 to C50)	μg/g	6600	50	<50	<50	<50	<50			
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	NA	NA			
Moisture Content	%		0.1	25.8	26.6	9.7	23.6			
Surrogate	Unit	Acceptab	le Limits							
Toluene-d8	% Recovery	60-	140	102	96	112	105			
Terphenyl	%	60-	140	82	86	83	79			





AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-18 DATE REPORTED: 2024-04-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5806207-5806210 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPopukolof



AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

			(O. Reg. 153(5	11) - PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-18	3				DATE REPORTED: 2024-04-25
	SA	AMPLE DESC	CRIPTION:	Methanol Blank	
		SAMF	PLE TYPE:	MeOH	
DATE SAMPL				2024-04-18 10:30	
Parameter	Unit	G/S	RDL	5806212	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	<0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptabl	le Limits		
Toluene-d8	% Recovery	60-1	40	107	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5806212 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPoprikolof



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

SAMPLING SITE. 3030 Manoti	ick main C	SAMPLED BY.E. BOONSTIA													
Trace Organics Analysis															
RPT Date: Apr 25, 2024		С	UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MAT	RIX SPI	KE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured		ptable nits	Recovery	Accer Lim		Recovery	1 1 1 1 1	ptable nits
		la	·				Value	Lower	Upper	,	Lower	Upper	·	Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (Soil)														
Benzene	5809651		< 0.02	< 0.02	NA	< 0.02	108%	60%	140%	103%	60%	140%	102%	60%	140%
Toluene	5809651		< 0.05	< 0.05	NA	< 0.05	103%	60%	140%	109%	60%	140%	106%	60%	140%
Ethylbenzene	5809651		< 0.05	< 0.05	NA	< 0.05	102%	60%	140%	88%	60%	140%	108%	60%	140%
m & p-Xylene	5809651		< 0.05	< 0.05	NA	< 0.05	110%	60%	140%	105%	60%	140%	109%	60%	140%
o-Xylene	5809651		<0.05	<0.05	NA	< 0.05	98%	60%	140%	105%	60%	140%	102%	60%	140%
F1 (C6 to C10)	5809651		<5	<5	NA	< 5	95%	60%	140%	107%	60%	140%	89%	60%	140%
F2 (C10 to C16)	5809304		<10	<10	NA	< 10	98%	60%	140%	104%	60%	140%	99%	60%	140%
F3 (C16 to C34)	5809304		77	95	NA	< 50	103%	60%	140%	108%	60%	140%	111%	60%	140%
F4 (C34 to C50)	5809304		55	74	NA	< 50	93%	60%	140%	100%	60%	140%	102%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).



AGAT WORK ORDER: 24Z140682

18-APR-2024

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5806207	CS104	Soil	18-APR-2024	18-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	23-APR-2024	23-APR-2024	VB
Toluene	23-APR-2024	23-APR-2024	VB
Ethylbenzene	23-APR-2024	23-APR-2024	VB
m & p-Xylene	23-APR-2024	23-APR-2024	VB
o-Xylene	23-APR-2024	23-APR-2024	VB
Xylenes (Total)	23-APR-2024	23-APR-2024	SYS
F1 (C6 to C10)	23-APR-2024	23-APR-2024	VB
F1 (C6 to C10) minus BTEX	23-APR-2024	23-APR-2024	SYS
Toluene-d8	23-APR-2024	23-APR-2024	VB
F2 (C10 to C16)	24-APR-2024	24-APR-2024	CA
F3 (C16 to C34)	24-APR-2024	24-APR-2024	CA
F4 (C34 to C50)	24-APR-2024	24-APR-2024	CA
Gravimetric Heavy Hydrocarbons			
Moisture Content	23-APR-2024	23-APR-2024	PD
Terphenyl	24-APR-2024	24-APR-2024	CA

Soil

18-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

CS1004

5806208

5806209

Parameter	Date Pr	epared	Date Analyzed	l Initials
Benzene	23-APF	R-2024	23-APR-2024	VB
Toluene	23-APF	R-2024	23-APR-2024	VB
Ethylbenzene	23-APF	R-2024	23-APR-2024	VB
m & p-Xylene	23-APF	R-2024	23-APR-2024	VB
o-Xylene	23-APF	R-2024	23-APR-2024	VB
Xylenes (Total)	23-APF	R-2024	23-APR-2024	SYS
F1 (C6 to C10)	23-APF	R-2024	23-APR-2024	VB
F1 (C6 to C10) minus BTEX	23-APF	R-2024	23-APR-2024	SYS
Toluene-d8	23-APF	R-2024	23-APR-2024	VB
F2 (C10 to C16)	24-APF	R-2024	24-APR-2024	CA
F3 (C16 to C34)	24-APF	R-2024	24-APR-2024	CA
F4 (C34 to C50)	24-APF	R-2024	24-APR-2024	CA
Gravimetric Heavy Hydrocarbons				
Moisture Content	23-APF	R-2024	23-APR-2024	PD
Terphenyl	24-APF	R-2024	24-APR-2024	CA
CS113	Soil	18-A	PR-2024	18-APR-2024

AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5806209	CS113	Soil	18-APR-2024	18-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
	Parameter	Date Prepare	ed Date Analyze	d Initials
	Benzene	23-APR-202		
	Toluene	23-APR-202		
	Ethylbenzene	23-APR-202		
	m & p-Xylene	23-APR-202		
	o-Xylene	23-APR-202		
	Xylenes (Total)	23-APR-202		
	F1 (C6 to C10)	23-APR-202		
	F1 (C6 to C10) minus BTEX	23-APR-202		
	Toluene-d8	23-APR-202		
	F2 (C10 to C16)	24-APR-202		
	F3 (C16 to C34)	24-APR-202		
	F4 (C34 to C50)	24-APR-202		
	Gravimetric Heavy Hydrocarbons	2171111202	21711112021	0, .
	Moisture Content	23-APR-202	4 23-APR-2024	. PD
	Terphenyl	24-APR-202		
5806210	CS125	Soil	18-APR-2024	18-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
	Parameter	Date Prepare	ed Date Analyze	d Initials
	Benzene	23-APR-202	4 23-APR-2024	. VB
	Toluene	23-APR-202	4 23-APR-2024	VB
	Ethylbenzene	23-APR-202	4 23-APR-2024	. VB
	m & p-Xylene	23-APR-202	4 23-APR-2024	VB
	o-Xylene	23-APR-202	4 23-APR-2024	. VB
	Xylenes (Total)	23-APR-202	4 23-APR-2024	SYS
	F1 (C6 to C10)	23-APR-202	4 23-APR-2024	. VB
	F1 (C6 to C10) minus BTEX	23-APR-202	4 23-APR-2024	SYS
	Toluene-d8	23-APR-202	4 23-APR-2024	. VB
	F2 (C10 to C16)	24-APR-202	4 24-APR-2024	
	F3 (C16 to C34)	24-APR-202	4 24-APR-2024	
	F4 (C34 to C50)	24-APR-202		
	Gravimetric Heavy Hydrocarbons			
	Moisture Content	23-APR-202	4 23-APR-2024	PD
	Terphenyl	24-APR-202		

MeOH

Methanol Blank

5806212

18-APR-2024

18-APR-2024



AGAT WORK ORDER: 24Z140682

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID Sample Description Sample Type Date Sampled Date Received
5806212 Methanol Blank MeOH 18-APR-2024 18-APR-2024

5: rtog: 100(6:1) 1:100 1 1/2/12/1 (III.0011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	23-APR-2024	23-APR-2024	VB
Toluene	23-APR-2024	23-APR-2024	VB
Ethylbenzene	23-APR-2024	23-APR-2024	VB
m & p-Xylene	23-APR-2024	23-APR-2024	VB
o-Xylene	23-APR-2024	23-APR-2024	VB
Xylenes (Total)	23-APR-2024	23-APR-2024	SYS
F1 (C6 to C10)	23-APR-2024	23-APR-2024	VB
F1 (C6 to C10) minus BTEX	23-APR-2024	23-APR-2024	SYS
Toluene-d8	23-APR-2024	23-APR-2024	VB

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	AGAT S.O.P LITERATURE REFERENCE					
Trace Organics Analysis							
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID				
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID				
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS				
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE				
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE				
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS				
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID				

AGAT Laboratories

Have feedback? Scan here for a quick survey!



5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2

Laboratory Use Only 2012-4101-97

Ph: 905.712.5100 Fax: 905.712,5122	Work Order #: 24400
webearth.agatlabs.com	Cooler Quantity: CM2 - 1005 Ci CQ.
table water consumed by humans)	Arrival Temperatures: 3 · 1 3 · 0 2 · 9

Chain of C	ustody Record	If this is a	Drinking Water	sample, plea	se use Drin	king Water Chain o	f Custody Form (pota	ble water	consum	ned by h	umans						ratures: atures:		3	3.0) 12	- 9
Report Inform	nation: Terrapex					gulatory Requ								C				-	JYes -		No	DN/A
Contact:	Greg Sabourin 1-20 Gurdwara Road				R	egulation 153/04	Regulation 40		☐ Se	wer Us Sanitary		Storm		-	_	oun				quired	1:	
4	Ottawa, ON K2E 8B3					Indicate One Ind/Com Bos/Park	Table — Indicate One ☐ Ind/Com ☐ Res/Park		-	Regio	n	-				r TAT				Business I		
Phone: Reports to be sent to: 1. Email:	613-745-6471 g.sabourin@terrapex.com	Fax:			Soil T	Agriculture exture (Check One) Coarse	Agriculture Regulation 55		Pro Obj	ective				Ru	_ 3	AT (Rusi 3 Busir Days	h Surcharg	ges App	(y) 2 Busin Days	ess	□ Next	t Business
2. Email: Project Inforn Project: Site Location:	CO884.03 5650 Manotick Main Street				Is th	is submission for the Condition of Site Condition of Yes	for a Record		eport rtifica	ate o	eline F Ana		=		*7	Plea TAT is e	ase prov	vide p	rior notifi reekends	charges h	r rush TA cutory hol	T lidays
Sampled By: AGAT Quote #:	E. Boonstra 17116440659 - So 2024	PO:				al Sample □				. Reg 1	53	T	T	1	Reg 4	_	O. Reg	lysis,	please c	ontact y	our AGAI	
Invoice Inform Company: Contact: Address: Email:	Terrapex accounts.payable@terrapex	Ві	II To Same: Ye			nple Matrix L Ground Water S Oil S Paint R Soil	egend D Sediment W Surface Water	Field Filtered - Metals, Hg, CrVI, DOC	als & Inorganics	als - □ CrVI, □ Hg, □ HWSB	BTEX, F1-F4 PHCs		PCBs: Aroclors □	Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4		Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	fill Disposal Characterization TCLP: □ M&I □ VOCS □ ABNS □ B(3)P □ PCBS	Corrosivity: ☐ Moisture ☐ Sulphide	BIEX FI			Potentially Hazardous or High Concentration (Y/N)
	le Identification	Sampled	Sampled	Containers	Matrix		nstructions	Y/N	Metals	Metals	BTE	VOC PAHs	PCB	Regu pH, N	EC, SAR	Regulati mSPLP:	Landfill I	Corre				Poten
2. <u>CS</u> 3. <u>CS</u> 4. <u>CS</u>	1004	Aprinja	9:30 AN 9:30 AN 10:00 AN	222	s 5 5			2222			メメメ											
5. metc	and Blank	1 A	I & : 3 CAM AM PM					~											X			
3. 9.			AM PM AM PM																			
10. 11.		21	AM PM AM PM																			
amples Retinquished By (Prin Emples Retinquished By (Prin amples Retinquished By (Pri			Date Apr 18	124 Time 14	(:30	Samples Received By (P.	Int Name and Sign!					A	Ath Ath Ante	8/20	Tim	the 2	LOK	A No:	Page	1	of	



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin PROJECT: CO884.03

AGAT WORK ORDER: 24Z142834

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

DATE REPORTED: May 01, 2024

PAGES (INCLUDING COVER): 11 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>		

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

AGAT Laboratories (V1)

Page 1 of 11

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Western Enviro-Agricultural Laboratory Association (WEALA) Environmental Services Association of Alberta (ESAA) AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.



AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

				O. Reg. 1	53(511) - PH	ICs F1 - F4	(Soil)		
DATE RECEIVED: 2024-04-24									DATE REPORTED: 2024-05-01
	S	AMPLE DES	CRIPTION:	CS1067	CS167	SP101	SP103	SP105	
		SAMI	PLE TYPE:	Soil	Soil	Soil	Soil	Soil	
		DATES	SAMPLED:	2024-04-23 14:00	2024-04-23 14:00	2024-04-23 14:50	2024-04-23 15:00	2024-04-23 15:15	
Parameter	Unit	G/S	RDL	5818497	5818498	5818499	5818500	5818501	
Benzene	μg/g	0.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	9	0.05	0.28	< 0.05	< 0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	8.71	1.14	< 0.05	< 0.05	< 0.05	
m & p-Xylene	μg/g		0.05	26.2	3.60	< 0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	1.43	0.20	< 0.05	< 0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	27.6	3.80	< 0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	641	248	<5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	604	243	<5	<5	<5	
F2 (C10 to C16)	μg/g	250	10	60	47	<10	<10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	<50	<50	<50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	<50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	NA	NA	NA	
Moisture Content	%		0.1	23.4	20.8	18.6	18.1	19.0	
Surrogate	Unit	Acceptab	le Limits						
Toluene-d8	% Recovery	60-1	140	117	115	122	116	107	
Terphenyl	%	60-1	140	87	93	77	80	78	

Certified By:





AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-24 DATE REPORTED: 2024-05-01

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5818497-5818501 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Jinkal Jata



AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

			(D. Reg. 153(51	- PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-2	4				DATE REPORTED: 2024-05-01
	SA	AMPLE DES	CRIPTION:	Methanol Blank	
		SAMI	PLE TYPE:	MeOH	
		DATES	SAMPLED:	2024-04-23 16:00	
Parameter	Unit	G/S	RDL	5818503	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	<0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptab	le Limits		
Toluene-d8	% Recovery	60-1	40	104	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5818503 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



Exceedance Summary

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

ATTENTION TO: Greg Sabourin

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5818497	CS1067	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Ethylbenzene	μg/g	1.6	8.71
5818497	CS1067	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10)	μg/g	65	641
5818497	CS1067	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10) minus BTEX	μg/g	65	604
5818498	CS167	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10)	μg/g	65	248
5818498	CS167	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10) minus BTEX	μg/g	65	243



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z142834
ATTENTION TO: Greg Sabourin
SAMPLED BY:Eric Boonstra

	Trace Organics Analysis														
RPT Date: May 01, 2024			С	UPLICATI	E		REFERENCE MATERIAL			METHOD	BLANK	SPIKE	MATRIX SPIKE		
PARAMETER	Batch	Sample	Dup #1	Dup #2	RPD	Method Blank	Measured		ptable nits	Recovery	1 :	ptable nits	Recovery		ptable nits
		ld					Value	Lower	Upper	,	Lower	Upper	,	Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4	1 (Soil)	•						•			•				
Benzene	5818497 5	818497	< 0.02	< 0.02	NA	< 0.02	90%	60%	140%	95%	60%	140%	71%	60%	140%
Toluene	5818497 5	818497	0.28	0.34	19.4%	< 0.05	100%	60%	140%	109%	60%	140%	111%	60%	140%
Ethylbenzene	5818497 5	818497	8.71	9.72	11.0%	< 0.05	88%	60%	140%	84%	60%	140%	78%	60%	140%
m & p-Xylene	5818497 5	818497	26.2	28.9	9.8%	< 0.05	89%	60%	140%	85%	60%	140%	96%	60%	140%
o-Xylene	5818497 5	818497	1.43	1.59	10.6%	< 0.05	90%	60%	140%	87%	60%	140%	99%	60%	140%
F1 (C6 to C10)	5818497 5	818497	641	701	8.9%	< 5	100%	60%	140%	92%	60%	140%	89%	60%	140%
F2 (C10 to C16)	5823469		<10	<10	NA	< 10	110%	60%	140%	96%	60%	140%	103%	60%	140%
F3 (C16 to C34)	5823469		<50	<50	NA	< 50	114%	60%	140%	110%	60%	140%	118%	60%	140%
F4 (C34 to C50)	5823469		<50	<50	NA	< 50	91%	60%	140%	96%	60%	140%	92%	60%	140%
O. Reg. 153(511) - PHCs F1 - F4	4 (Soil)														
Benzene	5818498 5	818498	< 0.02	< 0.02	NA	< 0.02	90%	60%	140%	95%	60%	140%	71%	60%	140%
Toluene	5818498 5	818498	< 0.05	< 0.05	NA	< 0.05	100%	60%	140%	109%	60%	140%	111%	60%	140%
Ethylbenzene	5818498 5	818498	1.14	1.06	7.3%	< 0.05	88%	60%	140%	84%	60%	140%	78%	60%	140%
m & p-Xylene	5818498 5	818498	3.60	3.43	4.8%	< 0.05	89%	60%	140%	85%	60%	140%	96%	60%	140%
o-Xylene	5818498 5	818498	0.20	0.18	NA	< 0.05	90%	60%	140%	87%	60%	140%	99%	60%	140%
F1 (C6 to C10)	5818498 5	818498	248	297	18.0%	< 5	100%	60%	140%	92%	60%	140%	89%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Jinkal Jata

Certified By:

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received		
5818497	CS1067	Soil 2		PR-2024	24-APR-2024		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)						
	Parameter	Date Pre	pared	Date Analyzed	d Initials		
	Benzene	26-APR-	-2024	26-APR-2024	VB		
	Toluene	26-APR-		26-APR-2024			
	Ethylbenzene	26-APR-	-2024	26-APR-2024	VB		
	m & p-Xylene	26-APR-	-2024	26-APR-2024			
	o-Xylene	26-APR-	-2024	26-APR-2024	VB		
	Xylenes (Total)	26-APR-	-2024	26-APR-2024	SYS		
	F1 (C6 to C10)	26-APR-	-2024	26-APR-2024	VB		
	F1 (C6 to C10) minus BTEX	26-APR-	-2024	26-APR-2024	SYS		
	Toluene-d8	26-APR-		26-APR-2024			
	F2 (C10 to C16)	01-MAY	-2024	01-MAY-2024	CA		
	F3 (C16 to C34)	01-MAY	-2024	01-MAY-2024	CA		
	F4 (C34 to C50)	01-MAY	-2024	01-MAY-2024	CA		
	Gravimetric Heavy Hydrocarbons						
		29-APR-	2024	29-APR-2024	PD		
	Moisture Content	Z3-/\li\	-2024	23-71 11-202 4			
	Terphenyl	01-MAY		01-MAY-2024			
5818498			-2024				
5818498	Terphenyl	01-MAY	-2024	01-MAY-2024	CA		
5818498	Terphenyl	01-MAY	-2024	01-MAY-2024	CA		
5818498	Terphenyl CS167	01-MAY	-2024 23-A	01-MAY-2024	CA 24-APR-2024		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil)	01-MAY Soil	-2024 23-A pared	01-MAY-2024 PR-2024	CA 24-APR-2024 d Initials		
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	01-MAY Soil Date Pre	23-A 23-A pared -2024	01-MAY-2024 PR-2024 Date Analyzee	CA 24-APR-2024 Initials VB		
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	O1-MAY Soil Date Pre 26-APR-	23-A pared -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024	CA 24-APR-2024 Initials VB VB		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	O1-MAY Soil Date Pre 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024 26-APR-2024	CA 24-APR-2024 Initials VB VB VB VB		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB SYS		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	01-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB SYS VB SYS		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	01-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	01-MAY Soil Date Pre 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	01-MAY Soil Date Pre 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34)	01-MAY Soil Date Pre 26-APR- 01-MAY	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 01-MAY-2024 01-MAY-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50)	01-MAY Soil Date Pre 26-APR- 01-MAY	23-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 01-MAY-2024 01-MAY-2024	Z4-APR-2024 d Initials VB VB VB VB VB VB VB SYS VB SYS VB CA CA CA		
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50) Gravimetric Heavy Hydrocarbons	01-MAY Soil Date Pre 26-APR- 01-MAY 01-MAY	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 01-MAY-2024 01-MAY-2024	24-APR-2024 d Initials VB VB VB VB VB SYS VB SYS VB CA CA PD		

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAN	IE: TERRAPEX ENVIRONMENTAL LIM	ITED				ATTENTION TO
Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received	
5818499	SP101	Soil	23-	APR-2024	24-APR-2024	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Date Pre	epared	Date Analyzed	d Initials	
	Benzene	26-APR	-2024	26-APR-2024	VB	
	Toluene	26-APR	-2024	26-APR-2024	VB	
	Ethylbenzene	26-APR	-2024	26-APR-2024	VB	
	m & p-Xylene	26-APR	-2024	26-APR-2024	VB	
	o-Xylene	26-APR	-2024	26-APR-2024	VB	
	Xylenes (Total)	26-APR	-2024	26-APR-2024	SYS	
	F1 (C6 to C10)	26-APR	-2024	26-APR-2024	VB	
	F1 (C6 to C10) minus BTEX	26-APR	-2024	26-APR-2024	SYS	
	Toluene-d8	26-APR	-2024	26-APR-2024	VB	
	F2 (C10 to C16)	01-MAY	′-2024	01-MAY-2024	CA	
	F3 (C16 to C34)	01-MAY	′-2024	01-MAY-2024	CA	
	F4 (C34 to C50)	01-MAY	′-2024	01-MAY-2024	CA	
	Gravimetric Heavy Hydrocarbons					
	Moisture Content	29-APR	-2024	29-APR-2024	PD	
	Terphenyl	01-MAY	′-2024	01-MAY-2024	CA	
5818500	SP103	Soil	23-	APR-2024	24-APR-2024	
	0.0 450(544) 010 54 54(0.1)					
	O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Date Pre	narod	Date Analyzed	d Initials	
	Benzene	26-APR	•	26-APR-2024		
	Toluene	26-APR		26-APR-2024		
	Ethylbenzene	26-APR 26-APR		26-APR-2024 26-APR-2024		
	•	26-APR 26-APR		26-APR-2024 26-APR-2024		
	m & p-Xylene o-Xylene	26-APR 26-APR		26-APR-2024 26-APR-2024		
	Xylenes (Total)	26-APR		26-APR-2024 26-APR-2024		
	F1 (C6 to C10)	26-APR		26-APR-2024 26-APR-2024		
	F1 (C6 to C10) F1 (C6 to C10) minus BTEX	26-APR		26-APR-2024 26-APR-2024		
	Toluene-d8	26-APR		26-APR-2024		
	F2 (C10 to C16)	01-MAY		01-MAY-2024		
	F3 (C16 to C34)	01-MAY		01-MAY-2024		
	F4 (C34 to C50)	01-MAY		01-MAY-2024		
	Gravimetric Heavy Hydrocarbons	U I-IVIA I	2024	0 1-1VIA 1-2024		
	Moisture Content	29-APR	-2024	29-APR-2024	PD	
	Terphenyl	01-MAY		01-MAY-2024		
5818501	SP105	Soil	23-	APR-2024	24-APR-2024	

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

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ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5818501	SP105	Soil	23-APR-2024	24-APR-2024

O.	Rea.	153(511)	- PHCs	F1 - F4	(Soil)
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O. Reg. 133(311) - 11103 1 1 - 1 + (3011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	26-APR-2024	26-APR-2024	VB
Toluene	26-APR-2024	26-APR-2024	VB
Ethylbenzene	26-APR-2024	26-APR-2024	VB
m & p-Xylene	26-APR-2024	26-APR-2024	VB
o-Xylene	26-APR-2024	26-APR-2024	VB
Xylenes (Total)	26-APR-2024	26-APR-2024	SYS
F1 (C6 to C10)	26-APR-2024	26-APR-2024	VB
F1 (C6 to C10) minus BTEX	26-APR-2024	26-APR-2024	SYS
Toluene-d8	26-APR-2024	26-APR-2024	VB
F2 (C10 to C16)	01-MAY-2024	01-MAY-2024	CA
F3 (C16 to C34)	01-MAY-2024	01-MAY-2024	CA
F4 (C34 to C50)	01-MAY-2024	01-MAY-2024	CA
Gravimetric Heavy Hydrocarbons			
Moisture Content	29-APR-2024	29-APR-2024	PD
Terphenyl	01-MAY-2024	01-MAY-2024	CA

5818503 Methanol Blank MeOH 23-APR-2024 24-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	26-APR-2024	26-APR-2024	VB
Toluene	26-APR-2024	26-APR-2024	VB
Ethylbenzene	26-APR-2024	26-APR-2024	VB
m & p-Xylene	26-APR-2024	26-APR-2024	VB
o-Xylene	26-APR-2024	26-APR-2024	VB
Xylenes (Total)	26-APR-2024	26-APR-2024	SYS
F1 (C6 to C10)	26-APR-2024	26-APR-2024	VB
F1 (C6 to C10) minus BTEX	26-APR-2024	26-APR-2024	SYS
Toluene-d8	26-APR-2024	26-APR-2024	VB

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SAMPLED BY: Eric Boonstra

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z142834 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

Toluene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Ethylbenzene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS o-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS o-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Xylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Yylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS F1 (C6 to C10) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/FID F1 (C6 to C10) minus BTEX VOL-91-5009 modified from CCME Tier 1 Method PXT GC/FID F1 (C6 to C10) minus BTEX VOL-91-5009 modified from CCME Tier 1 Method GC/FID F2 (C10 to C16) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F3 (C16 to C34) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F4 (C34 to C50) VOL-91-5009 modified from CCME Tier 1 Method GC/FID Gravimetric Heavy Hydrocarbons VOL-91-5009 modified from CCME Tier 1 Method GC/FID <th>OAWI LING OTTE.3030 Wallottek Wall</th> <th></th> <th>OAIVII EED D1.EII</th> <th colspan="3"></th>	OAWI LING OTTE.3030 Wallottek Wall		OAIVII EED D1.EII			
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## 260D ## 260	Toluene	VOL-91-5009		(P&T)GC/MS		
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	F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID		

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Laboratory Use Only 242142834 Work Order #: 242142833 Cooler Quantity: One - Decorer Of ICO

& Custody Booord

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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z143377

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: May 01, 2024

PAGES (INCLUDING COVER): 9 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>	

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AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin

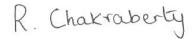
SAMPLED BY:EB

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

SAMI LING SITE. 3030 Mariot	iok main ou	CCI					SAMI LLD DT.LD
				O. Reg. 1	53(511) - PH	HCs F1 - F4	(Soil)
DATE RECEIVED: 2024-04-25							DATE REPORTED: 2024-05-01
	5	SAMPLE DESC	RIPTION:	SP201	SP203	SP205	
		SAMPI	LE TYPE:	Soil	Soil	Soil	
		DATE SA	AMPLED:	2024-04-25 10:00	2024-04-25 10:10	2024-04-25 10:20	
Parameter	Unit	G/S	RDL	5821262	5821265	5821266	
Benzene	μg/g	0.4	0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	9	0.05	< 0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	< 0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	<10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	<50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	NA	
Moisture Content	%		0.1	7.4	8.2	13.6	
Surrogate	Unit	Acceptable	Limits				
Toluene-d8	% Recovery	60-14	10	87	89	87	
Terphenyl	%	60-14	10	91	107	100	

Certified By:





AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:EB

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-25 DATE REPORTED: 2024-05-01

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5821262-5821266 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

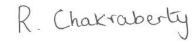
Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:





AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:EB

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)											
DATE RECEIVED: 2024-04-2	5			DATE REPORTED: 2024-05-01							
	SA	AMPLE DESCRIPTION:	Methanol Blank								
		SAMPLE TYPE:	MeOH								
		DATE SAMPLED:	2024-04-25 10:30								
Parameter	Unit	G/S RDL	5821267								
Benzene	μg/g	0.02	<0.02								
Toluene	μg/g	0.05	<0.05								
Ethylbenzene	μg/g	0.05	<0.05								
m & p-Xylene	μg/g	0.05	< 0.05								
o-Xylene	μg/g	0.05	<0.05								
Xylenes (Total)	μg/g	0.05	<0.05								
F1 (C6 to C10)	μg/g	5	<5								
F1 (C6 to C10) minus BTEX	μg/g	5	<5								
Surrogate	Unit	Acceptable Limits									
Toluene-d8	% Recovery	60-140	85								

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

5821267 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

PROJECT: CO884.03

SAMPLING SITE:5650 Manotick Main Street

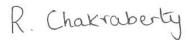
AGAT WORK ORDER: 24Z143377

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Man	otick Main S	eet SAMPLED BY:EB													
Trace Organics Analysis															
RPT Date: May 01, 2024			UPLICAT	E		REFERE	NCE MA	TERIAL	METHOD	BLAN	SPIKE	MATRIX SPIKE		KE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	ıp #2 RPD	Method Blank	Measured	Acceptable Limits		Recovery	1 1 1 1 1	eptable mits	Recovery	منا ا	ptable nits
		Id	·				Value	Lower	Upper	,	Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4	4 (Soil)														
Benzene	5823708		< 0.02	< 0.02	NA	< 0.02	103%	60%	140%	94%	60%	140%	72%	60%	140%
Toluene	5823708		< 0.05	< 0.05	NA	< 0.05	94%	60%	140%	103%	60%	140%	100%	60%	140%
Ethylbenzene	5823708		< 0.05	< 0.05	NA	< 0.05	81%	60%	140%	109%	60%	140%	74%	60%	140%
m & p-Xylene	5823708		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	94%	60%	140%	79%	60%	140%
o-Xylene	5823708		<0.05	<0.05	NA	< 0.05	89%	60%	140%	96%	60%	140%	81%	60%	140%
F1 (C6 to C10)	5823708		<5	<5	NA	< 5	98%	60%	140%	92%	60%	140%	96%	60%	140%
F2 (C10 to C16)	5821262 5	821262	< 10	< 10	NA	< 10	126%	60%	140%	83%	60%	140%	114%	60%	140%
F3 (C16 to C34)	5821262 5	821262	< 50	< 50	NA	< 50	120%	60%	140%	114%	60%	140%	117%	60%	140%
F4 (C34 to C50)	5821262 5	821262	< 50	< 50	NA	< 50	73%	60%	140%	70%	60%	140%	95%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:



AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received		
5821262	SP201	Soil 25-A		APR-2024	25-APR-2024		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)						
	Parameter	Date Pre	pared	Date Analyzed	d Initials		
	Benzene	29-APR-		29-APR-2024			
	Toluene	29-APR-		29-APR-2024			
	Ethylbenzene	29-APR-		29-APR-2024			
	m & p-Xylene	29-APR-		29-APR-2024			
	o-Xylene	29-APR-		29-APR-2024			
	Xylenes (Total)	29-APR-		29-APR-2024			
	F1 (C6 to C10)	29-APR-		29-APR-2024			
	F1 (C6 to C10) minus BTEX	29-APR-		29-APR-2024			
	Toluene-d8	29-APR-		29-APR-2024			
	F2 (C10 to C16)	30-APR-		30-APR-2024			
	F3 (C16 to C34)	30-APR-		30-APR-2024			
	F4 (C34 to C50)	30-APR-		30-APR-2024			
	Gravimetric Heavy Hydrocarbons						
	Moisture Content	29-APR-	2024	29-APR-2024	PD		
	Terphenyl	30-APR-	2024	30-APR-2024	SS		
	Terphenyl	30-APR-	2024	30-APR-2024	SS		
5821265	Terphenyl SP203	30-APR- Soil		30-APR-2024 APR-2024	SS 25-APR-2024		
5821265							
5821265							
5821265	SP203		25-/	APR-2024	25-APR-2024		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Soil	25-A		25-APR-2024 d Initials		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Soil Date Prej	25- <i>i</i> pared 2024	APR-2024 Date Analyzed	25-APR-2024 d Initials VB		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	Soil Date Prej 29-APR-	25- <i>h</i> pared 2024 2024	APR-2024 Date Analyzed 29-APR-2024	25-APR-2024 d Initials VB VB		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	Soil Date Prej 29-APR- 29-APR-	25- <i>h</i> pared 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	Soil Date Pre 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	Soil Date Pre 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	Date Pre 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB SYS VB SYS VB SSS SS SS		
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50) Gravimetric Heavy Hydrocarbons	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB SYS VB SYS VB SSS SS SS PD		

AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5821266	SP205	Soil	25-APR-2024	25-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

eeg. 100(0.1.)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	29-APR-2024	29-APR-2024	VB
Toluene	29-APR-2024	29-APR-2024	VB
Ethylbenzene	29-APR-2024	29-APR-2024	VB
m & p-Xylene	29-APR-2024	29-APR-2024	VB
o-Xylene	29-APR-2024	29-APR-2024	VB
Xylenes (Total)	29-APR-2024	29-APR-2024	SYS
F1 (C6 to C10)	29-APR-2024	29-APR-2024	VB
F1 (C6 to C10) minus BTEX	29-APR-2024	29-APR-2024	SYS
Toluene-d8	29-APR-2024	29-APR-2024	VB
F2 (C10 to C16)	30-APR-2024	30-APR-2024	SS
F3 (C16 to C34)	30-APR-2024	30-APR-2024	SS
F4 (C34 to C50)	30-APR-2024	30-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	29-APR-2024	29-APR-2024	PD
Terphenyl	30-APR-2024	30-APR-2024	SS

5821267 Methanol Blank MeOH 25-APR-2024 25-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	29-APR-2024	29-APR-2024	VB
Toluene	29-APR-2024	29-APR-2024	VB
Ethylbenzene	29-APR-2024	29-APR-2024	VB
m & p-Xylene	29-APR-2024	29-APR-2024	VB
o-Xylene	29-APR-2024	29-APR-2024	VB
Xylenes (Total)	29-APR-2024	29-APR-2024	SYS
F1 (C6 to C10)	29-APR-2024	29-APR-2024	VB
F1 (C6 to C10) minus BTEX	29-APR-2024	29-APR-2024	SYS
Toluene-d8	29-APR-2024	29-APR-2024	VB

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z143377 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Ma	in Street	SAMPLED BY:EB							
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE						
Trace Organics Analysis									
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID						
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID						
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS						
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE						
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE						
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS						

CCME Tier 1 Method

VOL-91-5009

F1 (C6 to C10) minus BTEX

P&T GC/FID

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Laboratory Use Only

Have feedback? Work Order #: 242143377 Scan here for a (III 100 NOS 717 120 Tugingene Time Cooler Quantity: CM - Declared Arrival Temperatures: **Chain of Custody Record** If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans) Depot Temperatures: **Regulatory Requirements:** Report Information: Custody Seal Intact: TETTAPEX Emujronmental Ltd (Please check all applicable boxes) Company: Grea Somover Sewer Use Regulation 153/04 | Regulation 406 Contact: Sanitary Storm **Turnaround Time (TAT) Required:** 1-20 Gurdwar / Re Address Table Indicate One Table Indicate One ottown, ON KZE 883 □Ind/Com Region **Regular TAT** Mrd/Com 5 to 7 Business Days Res/Park Res/Park Prov. Water Quality Rush TAT (Rush Surcharges Apply) Phone: Agriculture Agriculture Objectives (PWQO) Reports to be sent to: 9. salpour in 8 terrapex. com Soil Texture (Check One) 3 Business 2 Business **Next Business** Regulation 558 1. Email: Other Day Days ☐ Coarse CCME Fine OR Date Required (Rush Surcharges May Apply): 2. Email: May 1 Is this submission for a Record Report Guideline on **Project Information:** Please provide prior notification for rush TAT C0884.03 of Site Condition (RSC)? Certificate of Analysis Project: *TAT is exclusive of weekends and statutory holidays 5650 manotick main Street ☐ No VZ Yes П По Yes Yes Site Location: For 'Same Day' analysis, please contact your AGAT CSR Sampled By: O. Reg 153 O. Reg 406 CrVI, DOC AGAT Quote #: Legal Sample Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC Landfill Disposal Characterization TCLP: TCLP: ☐M&I ☐VOCs ☐ABNs ☐B(a)P□PCBs naracterization Package note if quotation number is not provided client will be billed full price for analysis Corrosivity: ☐ Moisture ☐ Sulphide Invoice Information: Bill To Same: Yes ₩ No □ Η HWSB Sample Matrix Legend Metals, Company Ground Water SD Sediment Contact: □ Hg. Surface Water Field Filtered -Metals & Inorganics Address: Rock/Shale Paint BTEX, F1-F4 PHCs Regulation 406 Ch BTEX, CrVI Email: Soil Comments/ Date Time Sample # of 000 Y/N Sample Identification Sampled Sampled Containers Matrix Special Instructions Acr 25/24 f() SP231 10:00 PM a:/()PM 2 2. 0203 N 0:20 AM 5 3. W 0205 Blank N 4. LONG 1 5. 6. 7. 8. 9. 10. AM 11.



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z138772

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: Apr 16, 2024

PAGES (INCLUDING COVER): 10 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes	

Disclaimer

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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Page 1 of 10

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Western Enviro-Agricultural Laboratory Association (WEALA) Environmental Services Association of Alberta (ESAA) AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)											
DATE RECEIVED: 2024-04-12								DATE REPORTED: 2024-04-16			
	S	AMPLE DES	CRIPTION:	TP101-4	TP103-4	TP104-2	TP105-4				
		SAM	PLE TYPE:	Soil	Soil	Soil	Soil				
		DATE S	DATE SAMPLED: 20		2024-04-12 08:00	2024-04-12 08:00	2024-04-12 08:00				
Parameter	Unit	G/S	RDL	5796142	5796145	5796146	5796147				
Benzene	μg/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02				
Toluene	μg/g	6	0.05	< 0.05	< 0.05	< 0.05	< 0.05				
Ethylbenzene	μg/g	1.6	0.05	< 0.05	<0.05	<0.05	<0.05				
m & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05				
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05				
Xylenes (Total)	μg/g	25	0.05	< 0.05	< 0.05	< 0.05	< 0.05				
F1 (C6 to C10)	μg/g	65	5	<5	<5	22	<5				
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	22	<5				
F2 (C10 to C16)	μg/g	150	10	<10	<10	<10	<10				
F3 (C16 to C34)	μg/g	1300	50	<50	<50	<50	<50				
F4 (C34 to C50)	μg/g	5600	50	<50	<50	<50	<50				
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA	NA	NA	NA				
Moisture Content	%		0.1	29.0	33.3	22.2	27.4				
Surrogate	Unit	Acceptab	le Limits								
Toluene-d8	% Recovery	60-1	40	81.2	82.8	78	102				
Terphenyl	%	60-1	40	113	118	95	87				

Certified By:



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-12 DATE REPORTED: 2024-04-16

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5796142-5796147 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

			(D. Reg. 153(51	1) - PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-1	2				DATE REPORTED: 2024-04-16
	SA	AMPLE DESC	RIPTION:	Methanol Blank	
		SAMPI	LE TYPE:	MeOH	
		DATE SA	AMPLED:	2024-04-12 11:00	
Parameter	Unit	G/S	RDL	5796148	
Benzene	μg/g	0.17	0.02	<0.02	
Toluene	μg/g	6	0.05	<0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	<0.05	
Xylenes (Total)	μg/g	25	0.05	<0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptable	Limits		
Toluene-d8	% Recovery	60-14	10	78.8	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5796148 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

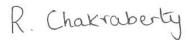
PROJECT: CO884.03

AGAT WORK ORDER: 24Z138772
ATTENTION TO: Greg Sabourin
SAMPLED BY: E. Boonstra

SAMPLING SITE:5650 Manot	SAMPLED BY:E. Boonstra														
	Trace Organics Analysis														
RPT Date: Apr 16, 2024		С	UPLICAT	E		REFERENCE MATERIA		TERIAL	METHOD	BLANK	SPIKE	MATRIX SPIKE		KE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured		ptable nits	Recovery	منا ا	ptable nits	Recovery	منا أ	eptable mits
		lu		'			Value	Lower	Upper		Lower	Upper	1 1	Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (Soil)														
Benzene	5796146	5796146	< 0.02	< 0.02	NA	< 0.02	71%	60%	140%	77%	60%	140%	74%	60%	140%
Toluene	5796146	5796146	< 0.05	< 0.05	NA	< 0.05	74%	60%	140%	91%	60%	140%	80%	60%	140%
Ethylbenzene	5796146	5796146	< 0.05	< 0.05	NA	< 0.05	96%	60%	140%	73%	60%	140%	93%	60%	140%
m & p-Xylene	5796146	5796146	< 0.05	< 0.05	NA	< 0.05	93%	60%	140%	91%	60%	140%	92%	60%	140%
o-Xylene	5796146	5796146	<0.05	<0.05	NA	< 0.05	96%	60%	140%	105%	60%	140%	99%	60%	140%
F1 (C6 to C10)	5796146	5796146	22	19	NA	< 5	92%	60%	140%	91%	60%	140%	92%	60%	140%
F2 (C10 to C16)	5789274		333	342	2.7%	< 10	115%	60%	140%	95%	60%	140%	115%	60%	140%
F3 (C16 to C34)	5789274		< 50	< 50	NA	< 50	116%	60%	140%	118%	60%	140%	104%	60%	140%
F4 (C34 to C50)	5789274		< 50	< 50	NA	< 50	71%	60%	140%	81%	60%	140%	76%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

5796142	Sample Description	Sample Type	Date	Sampled	Date Received		
	TP101-4	Soil	12-A	NPR-2024	12-APR-2024		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)						
	Parameter	Date Pre	pared	Date Analyze	d Initials		
	Benzene	16-APR	-2024	16-APR-2024	VB		
	Toluene	16-APR	-2024	16-APR-2024	VB		
	Ethylbenzene	16-APR	-2024	16-APR-2024	VB		
	m & p-Xylene	16-APR	-2024	16-APR-2024	VB		
	o-Xylene	16-APR	-2024	16-APR-2024	VB		
	Xylenes (Total)	16-APR	-2024	16-APR-2024	SYS		
	F1 (C6 to C10)	16-APR	-2024	16-APR-2024	VB		
	F1 (C6 to C10) minus BTEX	16-APR	-2024	16-APR-2024	SYS		
	Toluene-d8	16-APR		16-APR-2024			
	F2 (C10 to C16)	15-APR	-2024	15-APR-2024	SS		
	F3 (C16 to C34)	15-APR	-2024	15-APR-2024	SS		
	F4 (C34 to C50)	15-APR	-2024	15-APR-2024	SS		
	Gravimetric Heavy Hydrocarbons						
	Moisture Content	15-APR	-2024	15-APR-2024	PD		
	Terphenyl	15-APR	-2024	15-APR-2024	SS		
	Terphenyl	15-APR	-2024	15-APR-2024	SS		
5796145	Terphenyl TP103-4	15-APR Soil		15-APR-2024 APR-2024	SS 12-APR-2024		
5796145							
5796145							
5796145	TP103-4		12- <i>P</i>		12-APR-2024		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Soil	12-A	NPR-2024	12-APR-2024 d Initials		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Soil Date Pre	12- <i>A</i> epared -2024	NPR-2024 Date Analyze	12-APR-2024 Initials VB		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	Soil Date Pre 16-APR	12-A epared -2024 -2024	Date Analyzer	12-APR-2024 d Initials VB VB		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	Soil Date Pre 16-APR 16-APR	12- <i>A</i> epared -2024 -2024 -2024	Date Analyze 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	Soil Date Pre 16-APR 16-APR 16-APR	12-A epared -2024 -2024 -2024 -2024	Date Analyze 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	Soil Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR	12-A epared -2024 -2024 -2024 -2024 -2024	Date Analyze 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB VB		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR	12-A epared -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzee 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB SYS		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzer 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzer 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB VB SYS VB SYS		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB SYS VB SYS VB SYS		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	Date Pre 16-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzer 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB SYS VB SYS VB SYS VB SSS		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	Date Pre 16-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzer 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB SYS VB SYS VB SYS VB SS SS		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34)	Date Pre 16-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzer 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB SYS VB SYS VB SYS VB SS SS		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50)	Date Pre 16-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzer 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB SYS VB SYS VB SYS VB SS SS SS		
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50) Gravimetric Heavy Hydrocarbons	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 15-APR 15-APR	12-A spared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 15-APR-2024 15-APR-2024	12-APR-2024 d Initials VB VB VB VB SYS VB SYS VB SYS VB SS SS SS PD		

AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date Sampled	Date Receive								
5796146	TP104-2	Soil	12-APR-2024	12-APR-202								
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)											
	Parameter	Date Prepa	ared Date Analy	zed Initials								
		•										
	Benzene	16-APR-20										
	Toluene	16-APR-20										
	Ethylbenzene	16-APR-20										
	m & p-Xylene	16-APR-20										
	o-Xylene	16-APR-20										
	Xylenes (Total)	16-APR-20										
	F1 (C6 to C10)	16-APR-20										
	F1 (C6 to C10) minus BTEX Toluene-d8	16-APR-20 16-APR-20										
	F2 (C10 to C16)	15-APR-20										
	F3 (C16 to C34)	15-APR-20										
	F4 (C34 to C50)	15-APR-20	024 15-APR-20	24 SS								
	Gravimetric Heavy Hydrocarbons Moisture Content	45 ADD 00	004 45 ADD 00	24 PD								
		15-APR-20										
	Terphenyl	15-APR-20	024 15-APR-20	24 SS								
5796147	TP105-4	Soil 12-APR-2024		12-APR-202								
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)											
	Parameter	Data Branc	ared Data Analy	zed Initials								
		Date Prepa										
	Benzene	16-APR-20										
	Toluene	16-APR-20										
	Ethylbenzene	16-APR-20										
	m & p-Xylene	16-APR-20										
	o-Xylene	16-APR-20										
	Xylenes (Total)	16-APR-20										
	F1 (C6 to C10)	16-APR-20										
	F1 (C6 to C10) minus BTEX	16-APR-20										
	Toluene-d8	16-APR-20										
	F2 (C10 to C16)	15-APR-20										
	F3 (C16 to C34)	15-APR-20										
	F4 (C34 to C50)	15-APR-20	024 15-APR-20	24 SS								
	Gravimetric Heavy Hydrocarbons											
	Moisture Content	15-APR-20										
	Terphenyl	15-APR-20	024 15-APR-20	24 SS								

MeOH

Methanol Blank

5796148

12-APR-2024

12-APR-2024



AGAT WORK ORDER: 24Z138772

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID Sample Type Sample Description Date Sampled Date Received 5796148 Methanol Blank MeOH 12-APR-2024 12-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS
Toluene-d8	16-APR-2024	16-APR-2024	VB

5835 COOPERS AVENUE TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z138772 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Mair	n Street	SAMPLED BY:E. Boonstra							
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE						
Trace Organics Analysis	<u>'</u>		1						
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID						
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID						
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS						
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE						
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE						
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID						
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS						
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS						
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID						

AGAT Laboratories

Have feedback? Scan here for a quick survey!

5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2 webearth.agatlabs.com

Labo	orator	y Use	Ог	ıly			
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O. Reg		0. Reg 558			49	8.5	(N)
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Report Inforn					Reg	ulatory Requ	irements:								oot Ter stody S		ntact	- 5	Yes	□No	□N/
Company:	Теггарех				- (Please	check all applicable boxe	5)		_					No	tes:		00	10	cyed i	CP	
Contact:	Greg Sabourin			_ X Re	Regulation 153/04 Regulation 406				Sewer Use				Turnaround Time (TAT) Required:								
Address:	1-20 Gurdwara Road					ole	Table														
	Ottawa, ON K2E 8B3				- 1	Ind/Com Res/Park	☐Ind/Com ☐Res/Park			Region					(ular			_] 5 to 7 Bus	iness Days	
Phone:	613-745-6471	Fax:				Agriculture	Agriculture		Prov		er Quali (PWQ0			Rus	h TA	(Rush	Surchar	ges Ap	ply)		
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com				Soil Te	exture (Check One)	Regulation 558				(F VVQ	,,		١.,	- , 3	Busin	ess	4	2 Busines	s	Next Busine
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roject:	CO884.03				0	f Site Conditio	n (RSC)?	Ce	rtifica	te of	Anal	ysis			47				prior notificat		
Site Location:	5650 Manotick Main Street					Yes 🔀	No	D	Yes			No							weekends ar		-
Sampled By:	E. Boonstra				11 50		1		ALLEY,										, please con	tact your A	GAT CSR
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	Please note: If quotation number is n	not provided, client will b	e billed full price for	analysis.	Leg	ai Sample _	-	crvi, Doc	6.0					kage		. 0	4. Š		100		
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great entre seri		Date	Time	# of	Sample	Com	iments/		Metals	Metals -	X	, s	PCBs: Aroclors	Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	EC, SAR	mSPLP: ☐ Metals	Landfill Disposal Characterization TCLP: TCLP: ☐M& ☐VOG> ☐ABNs ☐B(a)P ☐PCBs	Corrosivity: ☐ Moisture ☐	1	155	Potentially Hazardous or High Concentration (V/N)
Samp	le Identification	Sampled	Sampled	Containers	Matrix	Special I	Instructions	Y/N	₩ S	Me	BTEX,	PAHS	ğ	Reg pH,	EC,	IIS III	La TC	ঠ	7		ş.
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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z139246

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: Apr 17, 2024

PAGES (INCLUDING COVER): 8 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>	

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
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 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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Page 1 of 8

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AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

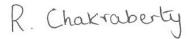
CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 15	3(511) - PHCs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-15					DATE REPORTED: 2024-04-17
	SA	AMPLE DESC	RIPTION:	TP108-2	
		SAMP	LE TYPE:	Soil	
		DATE S	AMPLED:	2024-04-15 10:00	
Parameter	Unit	G/S	RDL	5798318	
Benzene	μg/g	0.17	0.02	<0.02	
Toluene	μg/g	6	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	25	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
F2 (C10 to C16)	μg/g	150	10	<10	
F3 (C16 to C34)	μg/g	1300	50	<50	
F4 (C34 to C50)	μg/g	5600	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA	
Moisture Content	%		0.1	31.2	
Surrogate	Unit	Acceptable	e Limits		
Toluene-d8	% Recovery	60-14	10	121	
Terphenyl	%	60-14	10	87	

Certified By:





AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-15 DATE REPORTED: 2024-04-17

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5798318 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene. C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraberty



AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)										
DATE RECEIVED: 2024-04-15					DATE REPORTED: 2024-04-17					
	SA	MPLE DES	CRIPTION:	Methanol Blank						
SAMPLE TYPE:			PLE TYPE:	MeOH						
		DATES	SAMPLED:	2024-04-15 11:00						
Parameter	Unit	G/S	RDL	5798319						
Benzene	μg/g	0.17	0.02	<0.02						
Toluene	μg/g	6	0.05	<0.05						
Ethylbenzene	μg/g	1.6	0.05	< 0.05						
m & p-Xylene	μg/g		0.05	<0.05						
o-Xylene	μg/g		0.05	<0.05						
Xylenes (Total)	μg/g	25	0.05	<0.05						
F1 (C6 to C10)	μg/g	65	5	<5						
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5						
Surrogate	Unit	Acceptab	le Limits							
Toluene-d8	% Recovery	60-1	40	101						

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5798319 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraberty



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

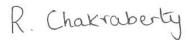
PROJECT: CO884.03
SAMPLING SITE:5650 Manotick Main Street

AGAT WORK ORDER: 24Z139246
ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street							SAMPLED BY:E. Boonstra											
			Trac	e Or	gani	cs Ar	nalys	is										
RPT Date: Apr 17, 2024			С	DUPLICAT	E		REFERENCE MATERIAL			METHOD	BLANK	SPIKE	MATRIX SPIKE					
PARAMETER	Batch	Sample	Dup #1	Dup #2	RPD	Method Blank	Measured Value		ptable	Recovery	1 :-	ptable	Recovery	1 :-	eptable mits			
		lu lu					Value	Lower	Upper		Lower	Upper		Lower	Upper			
O. Reg. 153(511) - PHCs F1/B	TEX (MeOH)																	
Benzene	5798049		< 0.02	< 0.02	NA	< 0.02	94%	60%	140%	84%	60%	140%	98%	60%	140%			
Toluene	5798049		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	80%	60%	140%	100%	60%	140%			
Ethylbenzene	5798049		< 0.05	< 0.05	NA	< 0.05	82%	60%	140%	73%	60%	140%	99%	60%	140%			
m & p-Xylene	5798049		< 0.05	< 0.05	NA	< 0.05	91%	60%	140%	90%	60%	140%	99%	60%	140%			
o-Xylene	5798049		<0.05	<0.05	NA	< 0.05	93%	60%	140%	81%	60%	140%	102%	60%	140%			
F1 (C6 to C10)	5798049		<5	<5	NA	< 5	96%	60%	140%	95%	60%	140%	96%	60%	140%			
O. Reg. 153(511) - PHCs F1 -	F4 (Soil)																	
Benzene	5798049		< 0.02	< 0.02	NA	< 0.02	94%	60%	140%	84%	60%	140%	98%	60%	140%			
Toluene	5798049		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	80%	60%	140%	100%	60%	140%			
Ethylbenzene	5798049		< 0.05	< 0.05	NA	< 0.05	82%	60%	140%	73%	60%	140%	99%	60%	140%			
m & p-Xylene	5798049		< 0.05	< 0.05	NA	< 0.05	91%	60%	140%	90%	60%	140%	99%	60%	140%			
o-Xylene	5798049		<0.05	<0.05	NA	< 0.05	93%	60%	140%	81%	60%	140%	102%	60%	140%			
F1 (C6 to C10)	5798049		<5	<5	NA	< 5	96%	60%	140%	95%	60%	140%	96%	60%	140%			
F2 (C10 to C16)	5793471		< 10	< 10	NA	< 10	120%	60%	140%	98%	60%	140%	83%	60%	140%			
F3 (C16 to C34)	5793471		< 50	< 50	NA	< 50	124%	60%	140%	116%	60%	140%	115%	60%	140%			
F4 (C34 to C50)	5793471		< 50	< 50	NA	< 50	68%	60%	140%	115%	60%	140%	63%	60%	140%			

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:



AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5798318	TP108-2	Soil	15-APR-2024	15-APR-2024

O. Rea. 153(511) - PHCs F1 - F4 (Soil)

O. Neg. 133(311) - F1103 1 1 - 14 (3011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS
Toluene-d8	16-APR-2024	16-APR-2024	VB
F2 (C10 to C16)	17-APR-2024	17-APR-2024	SS
F3 (C16 to C34)	17-APR-2024	17-APR-2024	SS
F4 (C34 to C50)	17-APR-2024	17-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	16-APR-2024	16-APR-2024	PD
Terphenyl	17-APR-2024	17-APR-2024	SS

5798319 Methanol Blank MeOH 15-APR-2024 15-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS
Toluene-d8	16-APR-2024	16-APR-2024	VB

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z139246
PROJECT: CO884.03

ATTENTION TO: Greg Sabourin
SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE				
Trace Organics Analysis							
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID				
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID				
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS				
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE				
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE				
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS				
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID				

AGAT Laboratories

Chain of Custody Record

Report Information:

Have feedback? Scan here for a quick survey!



Regulatory Requirements:

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Laboratory Use Only

Work Order #: 247139	1246	
Cooler Quantity: 000 - 1	OCSE 10	2.
Arrival Temperatures (16.9	16.8
Depot Temperatures: 2-1	12-4	12.3

Depot Tempera Custody Seal In Notes:	-	2-4 No	2 7
Turnaround	Time (TAT) Re	quired:	
Regular TAT	☐ 5 to 7 B	usiness Days	
Rush TAT (Rush	Surcharges Apply)	·	
3 Busine	ess 2 Busin Days	∐ Da	-
	Required (Rush Sur	charges May Ap	ply):

Company:	Terrapex				_ (riease	s crises an applicable boss	3 /								Notes			100	299	201	100	-	
Contact:	Greg Sabourin			_ I ∕ R	egulation 153/04	Regulation 406	6 [Sewer Use					Notes: bagged a									
Address:	1-20 Gurdwara Road	1-20 Gurdwara Road Table Table					Table			anitary		Storm		T	urna	iround	d Tim	ıe (T	AT) F	Requir	ed:		
	Ottawa, ON K2E 8B3				Table — Indicate One ☐Ind/Corn	Region				Regular TAT 5 to 7 Business Days													
Phone:	613-745-6471	Fax:				Res/Park Res/Park			Prov. Water Quality				Rush TAT (Rush Surcharges Apply)										
Reports to be sent to:	a sahaurin@tarranav.com	ran				Agriculture	Agriculture			ective													
1. Email:	g.sabourin@terrapex.com				exture (check One)]Coarse	Regulation 558	3	Oth	er				11		3 Busin Days	iess	X	2 Bus Days			Next Bu Day	sines	
2. Email:					- 11	Fine	ССМЕ		Indicate One					OR Date Required (Rush Surcharges May Apply):									
Project Information:			-	nis submission		Report Gulde			eline	eline on				_									
Project:	CO884.03				0	of Site Condition	on (RSC)?	Ce	rtifica	ate o	Ana	lysl	s	Ш						tification			
Site Location:	5650 Manotick Main Street				- III	Yes 🔀	No	Œ	Yes	3	П	No)	Ш								ry holida	
Sampled By:	E. Boonstra							×							For '	Same D			, pleas	e conta	et your	AGAT CS	šR .
AGAT Quote #:	17116440659 - So 2024	PO:			Lam	ial Campla	1	200	0	Reg 1	53				O. Reg	-	0, Reg 558				6		2
	Please note: If quotation number is n		be billed full price for	r analysis	Leg	al Sample [Cryl, D						age		- 6	. 282 283						<u>ک</u> اه
Invoice Inform	nation	D	ill To Same: Y	os [7] No E	1 -					m			_0	Regulation 406 Characterization Package		Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	Characterization TCLP:	ide i	1 17			1	ntrati
	Terrapex	ь	iii io Saine. T	es 🛂 NO L	¹ San	nple Matrix L	egend	S, Hg		□HWSB				tion		JSV(ation	Sulphide	-				ouce
Company: Contact:	Тептарск				- GW	Ground Water S		Metals,		H H			= 1	eriza	XI.	S I	aracteriz		T				igh C
Address:					- 0		W Surface Water		SS	万				aracı	1.54	P. R.	arac	i sture)				卢
Email:	accounts.payable@terrapex.	com			- P	Paint R	Rock/Shale	Filtered	gani				0] [Š	ង្ហ	S SPI		Mols	V		100		Snop
Email.					- 3	Soil		Field FI	Inorganics	□ CrVI, □ Hg,	F1-F4 PHCs		PAHs	40	pH, Metals, BTEX, F1-F4 EC, SAR	Met	Landfill Disposal Ch	Corrosivity: Molsture	10				Haza
								i ii	ত		Ŧ		1	ation	AR AR	at lor		sivit	H				ia ly
Samp	le Identification	Date	Time Sampled	# of Containers	Sample Matrix		ments/	Y/N	Metals	Metals	втех,	700	PAHs PCBc:	egul	pH, Metal EC, SAR	legul nSPL	and!	Orro	(2)		V 1		otent
	21.0 5	Sampled		The second second	+	Special	Instructions	- 1	2	2		>		- α	a W	E E	- F	-		=			1-
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	thanoi Blank		11-60P	M	3-			N				_					-		X				
3.			A! P!																		100		
4.			A!	X.																			
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Samples Relinquished By (Pri	nt Name and Sign). Read Sign)	The	Page 15	Time Time	Yvoc	Samples Received By (Print Name and Signi	N					Date Date	15	24	Sh5	58			odo /	7	1	



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z139245

SOIL ANALYSIS REVIEWED BY: Nivine Basily, Inorganic Team Lead TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 16, 2024

PAGES (INCLUDING COVER): 26 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes	

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
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 services.
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- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

AGAT Laboratories (V1)

Page 1 of 26

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)

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340

μg/g

5

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Certificate of Analysis

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - Metals (Including Hydrides) (Soil) DATE RECEIVED: 2024-04-15 **DATE REPORTED: 2024-04-16** SAMPLE DESCRIPTION: GS1 GS2 GS3 GS4 GS5 GS₆ GS7 GS8 SAMPLE TYPE: Soil Soil Soil Soil Soil Soil Soil Soil DATE SAMPLED: 2024-04-12 2024-04-12 2024-04-12 2024-04-12 2024-04-12 2024-04-12 2024-04-12 2024-04-12 14:00 14:05 14:10 14:15 14:20 14:25 14:30 14:35 Parameter Unit G/S **RDL** 5798272 5798274 5798275 5798276 5798277 5798278 5798279 5798280 7.5 <0.8 Antimony μg/g 8.0 <0.8 < 0.8 <0.8 <0.8 <0.8 <0.8 < 0.8 Arsenic μg/g 18 <1 <1 <1 <1 <1 <1 <1 <1 390 2.0 18.2 17.6 16.3 16.6 15.7 16.9 Barium μg/g 15.9 16.2 5 <0.5 <0.5 Beryllium 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 μg/g Boron 120 5 <5 <5 <5 <5 <5 <5 <5 <5 μg/g Cadmium µg/g 1.2 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 Chromium 5 7 7 7 6 7 7 7 μg/g 160 6 Cobalt μg/g 22 0.8 3.2 3.4 3.1 3.7 2.9 3.0 3.1 3.1 Copper μg/g 180 1.0 6.7 7.2 6.7 7.2 8.2 6.7 6.8 6.7 120 2 2 2 2 2 2 2 2 Lead μg/g Molybdenum μg/g 6.9 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 <0.5 < 0.5 Nickel 130 μg/g 5 5 5 5 5 5 5 Selenium 2.4 8.0 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8 < 0.8 μg/g Silver μg/g 25 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 Thallium μg/g 1 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 23 0.50 < 0.50 < 0.50 < 0.50 0.62 < 0.50 < 0.50 0.54 0.52 Uranium μg/g Vanadium 86 2.0 14.6 17.8 16.3 18.9 15.0 16.0 18.1 20.7 μg/g

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Certified By:

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Zinc

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AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY: E. Boonstra

			O. Reg	g. 153(511)	- Metals (In	cluding Hy	drides) (Soil)
DATE RECEIVED: 2024-04-15							DATE REPORTED: 2024-04-16
		SAMPLE DES	CRIPTION:	GS9	GS10	GS11	
		SAMI	PLE TYPE:	Soil	Soil	Soil	
		DATES	SAMPLED:	2024-04-12 14:40	2024-04-12 14:50	2024-04-12 14:50	
Parameter	Unit	G/S	RDL	5798281	5798282	5798283	
Antimony	μg/g	7.5	0.8	<0.8	<0.8	<0.8	
Arsenic	μg/g	18	1	1	1	<1	
Barium	μg/g	390	2.0	17.7	17.1	18.2	
Beryllium	μg/g	5	0.5	<0.5	<0.5	<0.5	
Boron	μg/g	120	5	<5	<5	<5	
Cadmium	μg/g	1.2	0.5	<0.5	<0.5	<0.5	
Chromium	μg/g	160	5	9	9	7	
Cobalt	μg/g	22	0.8	3.5	4.1	3.3	
Copper	μg/g	180	1.0	7.1	6.9	7.1	
Lead	μg/g	120	1	2	2	2	
Molybdenum	μg/g	6.9	0.5	<0.5	<0.5	<0.5	
Nickel	μg/g	130	1	6	6	5	
Selenium	μg/g	2.4	0.8	<0.8	<0.8	<0.8	
Silver	μg/g	25	0.5	<0.5	<0.5	<0.5	
Thallium	μg/g	1	0.5	<0.5	<0.5	<0.5	
Uranium	μg/g	23	0.50	0.58	0.66	0.55	
Vanadium	μg/g	86	2.0	25.5	23.5	16.5	
Zinc	μg/g	340	5	10	11	11	

Comments:

RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Toronto (unless marked by *)



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin
SAMPLED BY:E. Boonstra

				O. Re	g. 153(511)	- ORPs (So	il)				
DATE RECEIVED: 2024-04-15								[DATE REPORT	ED: 2024-04-16	
		SAMPLE DES	CRIPTION:	GS1	GS2	GS3	GS4	GS5	GS6	GS7	GS8
		SAM	PLE TYPE:	Soil							
		DATE	SAMPLED:	2024-04-12 14:00	2024-04-12 14:05	2024-04-12 14:10	2024-04-12 14:15	2024-04-12 14:20	2024-04-12 14:25	2024-04-12 14:30	2024-04-12 14:35
Parameter	Unit	G/S	RDL	5798272	5798274	5798275	5798276	5798277	5798278	5798279	5798280
Mercury	µg/g	1.8	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
		SAMPLE DES	CRIPTION:	GS9	GS10	GS11					
		SAM	PLE TYPE:	Soil	Soil	Soil					
		DATE	SAMPLED:	2024-04-12 14:40	2024-04-12 14:50	2024-04-12 14:50					
Parameter	Unit	G/S	RDL	5798281	5798282	5798283					
Mercury	μg/g	1.8	0.10	<0.10	<0.10	<0.10					

Comments:

RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Toronto (unless marked by *)

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Certified By:



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	lCs F1 - F4	(Soil)			
DATE RECEIVED: 2024-04-15								Γ	DATE REPORT	ED: 2024-04-16
	S		CRIPTION: PLE TYPE: SAMPLED:	GS1 Soil 2024-04-12	GS2 Soil 2024-04-12	GS3 Soil 2024-04-12	GS4 Soil 2024-04-12	GS5 Soil 2024-04-12	GS6 Soil 2024-04-12	GS7 Soil 2024-04-12
Parameter	Unit	G/S	RDL	14:00 5798272	14:05 5798274	14:10 5798275	14:15 5798276	14:20 5798277	14:25 5798278	14:30 5798279
Benzene	μg/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	μg/g	6	0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05
Ethylbenzene	μg/g	1.6	0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05
m & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05
Xylenes (Total)	μg/g	25	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05
F1 (C6 to C10)	μg/g	65	5	<5	<5	<5	<5	<5	<5	<5
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	<5	<5	<5	<5
F2 (C10 to C16)	μg/g	150	10	<10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	μg/g	1300	50	<50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	μg/g	5600	50	<50	<50	<50	<50	<50	<50	<50
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA						
Moisture Content	%		0.1	14.6	13.9	1.8	6.9	6.1	8.7	5.6
Surrogate	Unit	Acceptab	le Limits							
Toluene-d8	% Recovery	60-1	140	112	89	105	81	102	98	108
Terphenyl	%	60-1	140	82	95	91	97	80	78	80

Certified By:





AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	ICs F1 - F4	(Soil)	
DATE RECEIVED: 2024-04-15								DATE REPORTED: 2024-04-16
	S.	AMPLE DESC	CRIPTION:	GS8	GS9	GS10	GS11	
		SAME	PLE TYPE:	Soil	Soil	Soil	Soil	
		DATE S	SAMPLED:	2024-04-12 14:35	2024-04-12 14:40	2024-04-12 14:50	2024-04-12 14:50	
Parameter	Unit	G/S	RDL	5798280	5798281	5798282	5798283	
Benzene	μg/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	6	0.05	< 0.05	<0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	< 0.05	< 0.05	< 0.05	
m & p-Xylene	μg/g		0.05	<0.05	<0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Xylenes (Total)	μg/g	25	0.05	<0.05	<0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	<5	
F2 (C10 to C16)	μg/g	150	10	<10	<10	<10	<10	
F3 (C16 to C34)	μg/g	1300	50	<50	<50	<50	<50	
F4 (C34 to C50)	μg/g	5600	50	<50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA	NA	NA	NA	
Moisture Content	%		0.1	7.8	7.3	32.0	8.1	
Surrogate	Surrogate Unit Acceptable Limits							
Toluene-d8	% Recovery	60-1	40	112	83.2	79.5	69.8	
Terphenyl	%	60-1	40	81	86	74	89	

Certified By:

MPoprukolof



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-15 DATE REPORTED: 2024-04-16

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5798272-5798283 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons > C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPopukolof



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z139245
ATTENTION TO: Greg Sabourin
SAMPLED BY:E. Boonstra

SAMPLING SITE. 3030 Mariot	ick ivialli S	ireet						MIVIP	LED D	1.E. DU	UHSHE	1			
				Soi	l Ana	alysis	3								
RPT Date: Apr 16, 2024				UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD	BLANK	SPIKE	МАТ	RIX SPI	KE
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value		ptable	Recovery	Lie	ptable	Recovery	1 :	ptable
		lu lu					Value	Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - ORPs (Soil)															
Mercury	5796461		<0.10	<0.10	NA	< 0.10	113%	70%	130%	100%	80%	120%	105%	70%	130%
Comments: NA signifies Not Applica Duplicate NA: results are under 5X t O. Reg. 153(511) - Metals (Includ	he RDL and		calculated	i.											
Antimony	5796461	3) (3011)	<0.8	<0.8	NA	< 0.8	135%	70%	130%	105%	80%	120%	94%	70%	130%
Arsenic	5796461		3	3	NA	< 1	122%	70%	130%	105%	80%	120%	107%	70%	130%
Barium	5796461		46.0	41.2	11.0%	< 2.0	100%	70%	130%	96%	80%	120%	93%	70%	130%
Beryllium	5796461		<0.5	<0.5	NA	< 0.5	88%	70%	130%	111%	80%	120%	103%	70%	130%
Boron	5796461		6	11	NA	< 5	75%	70%	130%	100%	80%	120%	84%	70%	130%
Cadmium	5796461		<0.5	<0.5	NA	< 0.5	99%	70%	130%	104%	80%	120%	108%	70%	130%
Chromium	5796461		16	17	NA	< 5	112%	70%	130%	117%	80%	120%	113%	70%	130%
Cobalt	5796461		6.0	5.7	5.1%	< 0.8	115%	70%	130%	111%	80%	120%	109%	70%	130%
Copper	5796461		13.1	12.3	6.3%	< 1.0	99%	70%	130%	112%	80%	120%	98%	70%	130%
Lead	5796461		9	11	20.0%	< 1	108%	70%	130%	104%	80%	120%	102%	70%	130%
Molybdenum	5796461		<0.5	<0.5	NA	< 0.5	115%	70%	130%	105%	80%	120%	110%	70%	130%
Nickel	5796461		14	13	7.4%	< 1	113%	70%	130%	108%	80%	120%	100%	70%	130%
Selenium	5796461		<0.8	<0.8	NA	< 0.8	96%	70%	130%	103%	80%	120%	102%	70%	130%
Silver	5796461		<0.5	<0.5	NA	< 0.5	112%	70%	130%	106%	80%	120%	101%	70%	130%
Thallium	5796461		<0.5	<0.5	NA	< 0.5	110%	70%	130%	101%	80%	120%	102%	70%	130%
Uranium	5796461		<0.50	<0.50	NA	< 0.50	120%	70%	130%	102%	80%	120%	112%	70%	130%
Vanadium	5796461		26.1	26.4	1.1%	< 2.0	125%	70%	130%	116%	80%	120%	112%	70%	130%
Zinc	5796461		47	51	8.2%	< 5	108%	70%	130%	113%	80%	120%	110%	70%	130%

Comments: NA Signifies Not Applicable.

Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.

Certified By:





Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03 ATTENTION TO: Greg Sabourin SAMPLING SITE:5650 Manotick Main Street SAMPLED BY:E. Boonstra

			Trac	e Or	ganio	cs Ar	nalysi	is							
RPT Date: Apr 16, 2024				UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MAT	RIX SPI	IKE
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value		ptable nits	Recovery	منا ا	ptable nits	Recovery	1 1 1 1 1	eptable mits
		lu					value	Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F	4 (Soil)														
Benzene	5798283 5	798283	< 0.02	< 0.02	NA	< 0.02	93%	60%	140%	94%	60%	140%	86%	60%	140%
Toluene	5798283 5	5798283	< 0.05	< 0.05	NA	< 0.05	89%	60%	140%	87%	60%	140%	93%	60%	140%
Ethylbenzene	5798283 5	5798283	< 0.05	< 0.05	NA	< 0.05	102%	60%	140%	98%	60%	140%	99%	60%	140%
m & p-Xylene	5798283 5	5798283	< 0.05	< 0.05	NA	< 0.05	102%	60%	140%	96%	60%	140%	90%	60%	140%
o-Xylene	5798283 5	5798283	<0.05	<0.05	NA	< 0.05	102%	60%	140%	98%	60%	140%	93%	60%	140%
F1 (C6 to C10)	5798283 5	5798283	<5	<5	NA	< 5	93%	60%	140%	94%	60%	140%	91%	60%	140%
F2 (C10 to C16)	5787521		< 10	< 10	NA	< 10	98%	60%	140%	108%	60%	140%	115%	60%	140%
F3 (C16 to C34)	5787521		1050	775	30.1%	< 50	102%	60%	140%	110%	60%	140%	120%	60%	140%
F4 (C34 to C50)	5787521		349	272	24.8%	< 50	65%	60%	140%	115%	60%	140%	125%	60%	140%
Comments: When the average of	the sample and	duplicate	results is l	less than 5	x the RDL	., the Rela	tive Perce	nt Diffe	rence (F	RPD) will b	e indica	ated as	Not Applic	cable (N	NA).
O. Reg. 153(511) - PHCs F1 - F	4 (Soil)														
F2 (C10 to C16)	5789165		< 10	< 10	NA	< 10	120%	60%	140%	98%	60%	140%	83%	60%	140%
F3 (C16 to C34)	5789165		< 50	< 50	NA	< 50	124%	60%	140%	116%	60%	140%	115%	60%	140%
F4 (C34 to C50)	5789165		< 50	< 50	NA	< 50	68%	60%	140%	115%	60%	140%	63%	60%	140%

Certified By:





QC Exceedance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z139245
PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

RPT Date: Apr 16, 2024		REFERENC	E MATERIA	AL I	METHOD	BLANK	SPIKE	MAT	RIX SPI	KE
PARAMETER	Sample Id	Measured	Acceptal Limits		Recovery	Lin	ptable nits	Recovery	Lin	ptable nits
		Value	Lower Up		11		Upper	,		Upper

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Antimony 135% 70% 130% 105% 80% 120% 94% 70% 130%

Comments: NA Signifies Not Applicable.

Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5798272	GS1	Soil	12-APR-2024	15-APR-2024
	O. Reg. 153(511) - Metals (Includi	ing Hydrides) (Soil)		
	Parameter	Date Prep	pared Date Anal	yzed Initials
	Antimony	16-APR-:	2024 16-APR-2	2024 SE

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE

O. Reg. 153(511) - ORPs (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Mercury	16-APR-2024	16-APR-2024	SE

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS
Toluene-d8	16-APR-2024	16-APR-2024	VB
F2 (C10 to C16)	16-APR-2024	16-APR-2024	SS
F3 (C16 to C34)	16-APR-2024	16-APR-2024	SS
F4 (C34 to C50)	16-APR-2024	16-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	16-APR-2024	16-APR-2024	AA



AGAT WORK ORDER: 24Z139245

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID Sample Type Sample Description Date Sampled Date Received 5798272 GS1 Soil 12-APR-2024 15-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

Parameter **Date Prepared** Date Analyzed Initials Terphenyl 16-APR-2024 16-APR-2024 SS

GS2 5798274 Soil 12-APR-2024 15-APR-2024

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE

O. Reg. 153(511) - ORPs (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Mercury	16-APR-2024	16-APR-2024	SF

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5798274	GS2	Soil	12-	APR-2024	15-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pr	epared	Date Analyze	d Initials
	Toluene-d8	16-API	R-2024	16-APR-2024	VB
	F2 (C10 to C16)	16-API	R-2024	16-APR-2024	SS
	F3 (C16 to C34)	16-API	R-2024	16-APR-2024	SS
	F4 (C34 to C50)	16-API	R-2024	16-APR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-API	R-2024	16-APR-2024	AA
	Terphenyl	16-API	R-2024	16-APR-2024	SS
5798275	GS3	Soil	12-	APR-2024	15-APR-2024

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)	Ο.	Rea.	153(511)	- Metals	(Including	ιH	vdrides) ((Soil)	
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Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Mercury	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5798275	GS3	Soil	12-	APR-2024	15-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Ethylbenzene	16-APR	-2024	16-APR-2024	VB
	m & p-Xylene	16-APR	-2024	16-APR-2024	VB
	o-Xylene	16-APR	-2024	16-APR-2024	VB
	Xylenes (Total)	16-APR	-2024	16-APR-2024	SYS
	F1 (C6 to C10)	16-APR	-2024	16-APR-2024	VB
	F1 (C6 to C10) minus BTEX	16-APR	-2024	16-APR-2024	SYS
	Toluene-d8	16-APR	-2024	16-APR-2024	VB
	F2 (C10 to C16)	16-APR	-2024	16-APR-2024	SS
	F3 (C16 to C34)	16-APR	-2024	16-APR-2024	SS
	F4 (C34 to C50)	16-APR	-2024	16-APR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR	-2024	16-APR-2024	AA
	Terphenyl	16-APR	-2024	16-APR-2024	SS
5798276	GS4	Soil	12-	APR-2024	15-APR-2024

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received	
5798276	GS4	Soil	12-A	PR-2024	15-APR-2024	
	O. Reg. 153(511) - ORPs (Soil)					
	Parameter	Date Prep	ared	Date Analyzed	l Initials	
	Mercury	16-APR-2		16-APR-2024		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Date Prep	ared	Date Analyzed	l Initials	
	Benzene	16-APR-2	2024	16-APR-2024	VB	
	Toluene	16-APR-2	2024	16-APR-2024	VB	
	Ethylbenzene	16-APR-2	024	16-APR-2024	VB	
	m & p-Xylene	16-APR-2	2024	16-APR-2024	VB	
	o-Xylene	16-APR-2	024	16-APR-2024	VB	
	Xylenes (Total)	16-APR-2	2024	16-APR-2024	SYS	
	F1 (C6 to C10)	16-APR-2	024	16-APR-2024	VB	
	F1 (C6 to C10) minus BTEX	16-APR-2	2024	16-APR-2024	SYS	
	Toluene-d8	16-APR-2	024	16-APR-2024	VB	
	F2 (C10 to C16)	16-APR-2	024	16-APR-2024	SS	
	F3 (C16 to C34)	16-APR-2	024	16-APR-2024	SS	
	F4 (C34 to C50)	16-APR-2	024	16-APR-2024	SS	
	Gravimetric Heavy Hydrocarbons					
	Moisture Content	16-APR-2	2024	16-APR-2024	AA	
	Terphenyl	16-APR-2	2024	16-APR-2024	SS	
5798277	GS5	Soil	12-A	PR-2024	15-APR-2024	
	O. Reg. 153(511) - Metals (Including Hyd	dridas) (Sail)				
	Parameter	Date Prep	ared	Date Analyzed	l Initials	
	Antimony	16-APR-2		16-APR-2024		
	Arsenic	16-APR-2		16-APR-2024		
	Barium	16-APR-2		16-APR-2024	SE	
	Beryllium	16-APR-2		16-APR-2024	SE	
	Boron	16-APR-2		16-APR-2024	SE	
	501011	10-AI 10-2		10 /11 11 2024	OL.	

Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

245 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com
ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5798277	GS5	Soil	12-APR-2024	15-APR-2024

GS5	Soil	12-APR-2024	15-APR-2024
O. Reg. 153(511) - Metals (Including Hydrides) (So	,		
Parameter	Date Prep		•
Uranium	16-APR-2		
Vanadium	16-APR-2		
Zinc	16-APR-2	024 16-APR-2	2024 SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prep	ared Date Ana	lyzed Initials
Mercury	16-APR-2	024 16-APR-	2024 SE
O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
Parameter	Date Prep	ared Date Ana	lyzed Initials
Benzene	16-APR-2	024 16-APR-2	2024 VB
Toluene	16-APR-2	024 16-APR-2	2024 VB
Ethylbenzene	16-APR-2	024 16-APR-2	2024 VB
m & p-Xylene	16-APR-2	024 16-APR-2	2024 VB
o-Xylene	16-APR-2	024 16-APR-2	2024 VB
Xylenes (Total)	16-APR-2	024 16-APR-2	2024 SYS
F1 (C6 to C10)	16-APR-2	024 16-APR-2	2024 VB
F1 (C6 to C10) minus BTEX	16-APR-2	024 16-APR-2	2024 SYS
Toluene-d8	16-APR-2	024 16-APR-2	2024 VB
F2 (C10 to C16)	16-APR-2	024 16-APR-2	2024 SS
F3 (C16 to C34)	16-APR-2	024 16-APR-2	2024 SS
F4 (C34 to C50)	16-APR-2	024 16-APR-2	2024 SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	16-APR-2	024 16-APR-2	2024 AA
Terphenyl	16-APR-2	024 16-APR-	2024 SS
GS6	Soil	12-APR-2024	15-APR-2024

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE

5798278



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	e Sampled	Date Received
5798278	GS6	Soil	12-	APR-2024	15-APR-2024
	O. Reg. 153(511) - Metals (Including Hydrides) ('Soil)			
	Parameter	Date Pre	pared	Date Analyzed	d Initials
	Lead	16-APR-	-	16-APR-2024	
	Molybdenum	16-APR-		16-APR-2024	
	Nickel	16-APR-		16-APR-2024	
	Selenium	16-APR-		16-APR-2024	SE
	Silver	16-APR-	2024	16-APR-2024	SE
	Thallium	16-APR-	2024	16-APR-2024	SE
	Uranium	16-APR-	2024	16-APR-2024	SE
	Vanadium	16-APR-	2024	16-APR-2024	SE
	Zinc	16-APR-	2024	16-APR-2024	SE
	O. Reg. 153(511) - ORPs (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	d Initials
	Mercury	16-APR-	•	16-APR-2024	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	d Initials
	Benzene	16-APR-	•	16-APR-2024	
	Toluene	16-APR-		16-APR-2024	VB
	Ethylbenzene	16-APR-	2024	16-APR-2024	VB
	m & p-Xylene	16-APR-	2024	16-APR-2024	VB
	o-Xylene	16-APR-	2024	16-APR-2024	VB
	Xylenes (Total)	16-APR-	2024	16-APR-2024	SYS
	F1 (C6 to C10)	16-APR-		16-APR-2024	VB
	F1 (C6 to C10) minus BTEX	16-APR-	2024	16-APR-2024	SYS
	Toluene-d8	16-APR-	2024	16-APR-2024	VB
	F2 (C10 to C16)	16-APR-	2024	16-APR-2024	SS
	F3 (C16 to C34)	16-APR-	2024	16-APR-2024	SS
	F4 (C34 to C50)	16-APR-	2024	16-APR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR-	2024	16-APR-2024	AA
	Terphenyl	16-APR-	2024	16-APR-2024	SS
5798279	GS7	Soil	12-	APR-2024	15-APR-2024
	O Don 459/544) Metala (landudina Huddida)	(Coil)			
	O. Reg. 153(511) - Metals (Including Hydrides) (nored	Data Analys	-امنئما
	Parameter	Date Pre	•	Date Analyzed	
	Antimony	16-APR-		16-APR-2024	
	Arsenic	16-APR-	2024	16-APR-2024	SE

Barium

SE

16-APR-2024

16-APR-2024

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample Description

Sample ID

Time Markers

AGAT WORK ORDER: 24Z139245

Date Received

PROJECT: CO884.03

Date Sampled

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Campio IB	Cample Becomption	Campio Typo	Date Gampi		
5798279	GS7	Soil	12-APR-202	24 1	5-APR-2024
	O. Reg. 153(511) - Metals (Including Hydrides)		navad Data	A l	laitiala
	Parameter	Date Pre		Analyzed	Initials
	Beryllium	16-APR-		PR-2024	SE
	Boron	16-APR-		PR-2024	SE
	Cadmium	16-APR-		PR-2024	SE
	Chromium	16-APR-		PR-2024	SE
	Cobalt	16-APR-		PR-2024	SE
	Copper	16-APR-	2024 16-A	PR-2024	SE
	Lead	16-APR-	2024 16-A	PR-2024	SE
	Molybdenum	16-APR-	2024 16-A	PR-2024	SE
	Nickel	16-APR-	2024 16-A	PR-2024	SE
	Selenium	16-APR-	2024 16-A	PR-2024	SE
	Silver	16-APR-	2024 16-A	PR-2024	SE
	Thallium	16-APR-	2024 16-A	PR-2024	SE
	Uranium	16-APR-	2024 16-A	PR-2024	SE
	Vanadium	16-APR-	2024 16-A	PR-2024	SE
	Zinc	16-APR-	2024 16-A	PR-2024	SE
	O. Reg. 153(511) - ORPs (Soil)				
	Parameter	Date Pre	pared Date	Analyzed	Initials
	Mercury	16-APR-		PR-2024	SE
	0.0 450(544) 000 54 5440 (0)				
	O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Date Pre	pared Date	Analyzed	Initials
	Benzene	16-APR-		PR-2024	VB
	Toluene	16-APR-		PR-2024	VB
	Ethylbenzene	16-APR-		PR-2024	VB
	m & p-Xylene	16-APR-		PR-2024	VB
	o-Xylene	16-APR-		PR-2024	VB
	Xylenes (Total)	16-APR-		PR-2024	SYS
	. , ,	16-APR-		NPR-2024 NPR-2024	VB
	F1 (C6 to C10) F1 (C6 to C10) minus BTEX	16-APR-		NPR-2024 NPR-2024	SYS
	,				
	Toluene-d8	16-APR-		PR-2024	VB
	F2 (C10 to C16)	16-APR-		PR-2024	SS
	F3 (C16 to C34)	16-APR-		PR-2024	SS
	F4 (C34 to C50)	16-APR-	2024 16- <i>P</i>	PR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR-		PR-2024	AA
	Terphenyl	16-APR-	2024 16- <i>A</i>	APR-2024	SS

Sample Type



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

245 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com
ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5798280GS8Soil12-APR-202415-APR-2024

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
	16-APR-2024	16-APR-2024	SE
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter	Date Prepared	Date Analyzed	Initials
O. Reg. 153(511) - ORPs (Soil) Parameter			
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury	Date Prepared	Date Analyzed	Initials
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Date Prepared	Date Analyzed	Initials SE
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024	Initials SE
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	Date Prepared 16-APR-2024 Date Prepared	Date Analyzed 16-APR-2024 Date Analyzed	Initials SE Initials
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024	Initials SE Initials VB
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024	Initials SE Initials VB VB
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB VB VB VB
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB VB VB VS
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB VB VB VB SYS VB SYS
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024	Initials SE Initials VB VB VB VB VB VB VB SYS VB SYS VB SYS VB
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024	Initials SE Initials VB VB VB VB VB VB SYS VB SYS VB SSS
O. Reg. 153(511) - ORPs (Soil)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024	Initials SE Initials VB VB VB VB VB VB SYS VB SYS VB SSS SS
O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024	Initials SE Initials VB VB VB VB VB VB SYS VB SYS VB SSS SS



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date Samp	led [Date Received
5798280	GS8	Soil	12-APR-20)24	15-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Prepa	red Date	e Analyzed	Initials
	Terphenyl	16-APR-20	24 16-	APR-2024	SS
5798281	GS9	Soil	12-APR-20)24	15-APR-2024
	O. Reg. 153(511) - Metals (Including Hydri	ides) (Soil)			
	Parameter	Date Prepa	red Date	e Analyzed	Initials
	Antimony	16-APR-20	24 16-	APR-2024	SE
	Arsenic	16-APR-20	24 16-	APR-2024	SE
	Barium	16-APR-20	24 16-	APR-2024	SE
	Beryllium	16-APR-20	24 16-	APR-2024	SE
	Boron	16-APR-20	24 16-	APR-2024	SE
	Cadmium	16-APR-20	24 16-	APR-2024	SE
	Chromium	16-APR-20	24 16-	APR-2024	SE
	Cobalt	16-APR-20	24 16-	APR-2024	SE
	Copper	16-APR-20	24 16-	APR-2024	SE
	Lead	16-APR-20	24 16-	APR-2024	SE
	Molybdenum	16-APR-20	24 16-	APR-2024	SE
	Nickel	16-APR-20	24 16-	APR-2024	SE
	Selenium	16-APR-20	24 16-	APR-2024	SE
	Silver	16-APR-20	24 16-	APR-2024	SE
	Thallium	16-APR-20	24 16-	APR-2024	SE
	Uranium	16-APR-20	24 16-	APR-2024	SE
	Vanadium	16-APR-20	24 16-	APR-2024	SE
	Zinc	16-APR-20	24 16-	APR-2024	SE
	O. Reg. 153(511) - ORPs (Soil)	Data Bassa	ned Det		1.90.1.
	Parameter	Date Prepa		e Analyzed	Initials
	Mercury	16-APR-20	24 16-	APR-2024	SE
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Prepa	red Date	e Analyzed	Initials
	Benzene	16-APR-20	24 16-	APR-2024	VB
	Toluene	16-APR-20	24 16-	APR-2024	VB
	Ethylbenzene	16-APR-20	24 16-	APR-2024	VB
	m & p-Xylene	16-APR-20	24 16-	APR-2024	VB
	o-Xylene	16-APR-20	24 16-	APR-2024	VB
	Xylenes (Total)	16-APR-20	24 16-	APR-2024	SYS
	= 1 (00 : 010)				

F1 (C6 to C10)

F1 (C6 to C10) minus BTEX

VΒ

SYS

16-APR-2024

16-APR-2024

16-APR-2024

16-APR-2024



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5798281	GS9	Soil	12-A	PR-2024	15-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	epared	Date Analyze	d Initials
	Toluene-d8	16-APR	-2024	16-APR-2024	VB
	F2 (C10 to C16)	16-APR	-2024	16-APR-2024	SS
	F3 (C16 to C34)	16-APR	-2024	16-APR-2024	SS
	F4 (C34 to C50)	16-APR	-2024	16-APR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR	-2024	16-APR-2024	AA
	Terphenyl	16-APR	-2024	16-APR-2024	SS
5798282	GS10	Soil	12-A	PR-2024	15-APR-2024

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Mercury	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB



AGAT WORK ORDER: 24Z139245

15-APR-2024

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5798282	GS10	Soil	12-A	PR-2024	15-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	d Initials
	Ethylbenzene	16-APR-	2024	16-APR-2024	VB
	m & p-Xylene	16-APR-	2024	16-APR-2024	VB
	o-Xylene	16-APR-	2024	16-APR-2024	VB
	Xylenes (Total)	16-APR-	2024	16-APR-2024	SYS
	F1 (C6 to C10)	16-APR-	2024	16-APR-2024	VB
	F1 (C6 to C10) minus BTEX	16-APR-	2024	16-APR-2024	SYS
	Toluene-d8	16-APR-	2024	16-APR-2024	VB
	F2 (C10 to C16)	16-APR-	2024	16-APR-2024	SS
	F3 (C16 to C34)	16-APR-	2024	16-APR-2024	SS
	F4 (C34 to C50)	16-APR-	2024	16-APR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR-	2024	16-APR-2024	AA
	Terphenyl	16-APR-	2024	16-APR-2024	SS

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials

Soil

12-APR-2024

GS11

5798283



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date	e Sampled	Date Received
5798283	GS11	Soil	12-	APR-2024	15-APR-2024
	O. Reg. 153(511) - ORPs (Soil)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Mercury	16-APR-	2024	16-APR-2024	SE
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Benzene	16-APR-	2024	16-APR-2024	VB
	Toluene	16-APR-	2024	16-APR-2024	VB
	Ethylbenzene	16-APR-	2024	16-APR-2024	VB
	m & p-Xylene	16-APR-	2024	16-APR-2024	VB
	o-Xylene	16-APR-	2024	16-APR-2024	VB
	Xylenes (Total)	16-APR-	2024	16-APR-2024	SYS
	F1 (C6 to C10)	16-APR-	2024	16-APR-2024	VB
	F1 (C6 to C10) minus BTEX	16-APR-	2024	16-APR-2024	SYS
	Toluene-d8	16-APR-	2024	16-APR-2024	VB
	F2 (C10 to C16)	16-APR-	2024	16-APR-2024	SS
	F3 (C16 to C34)	16-APR-	2024	16-APR-2024	SS
	F4 (C34 to C50)	16-APR-	2024	16-APR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR-	2024	16-APR-2024	AA

16-APR-2024

Terphenyl

16-APR-2024

SS

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

PROJECT: CO884.03
SAMPLING SITE:5650 Manotick Main Street

AGAT WORK ORDER: 24Z139245 ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE				
Soil Analysis	'	-					
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS				
Mercury	MET-93-6103	modified from EPA 7471B and SM 3112 B	ICP-MS				



Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis		•	
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

AGAT Laboratories

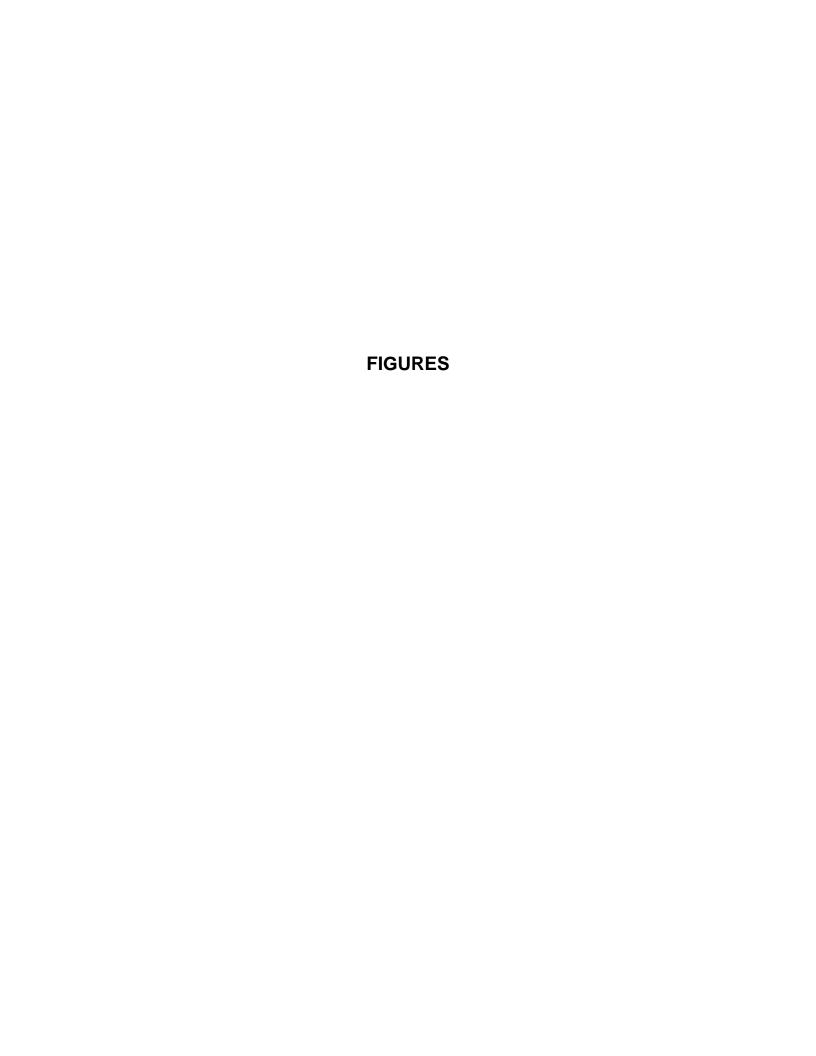
Have feedback? Scan here for a quick survey!

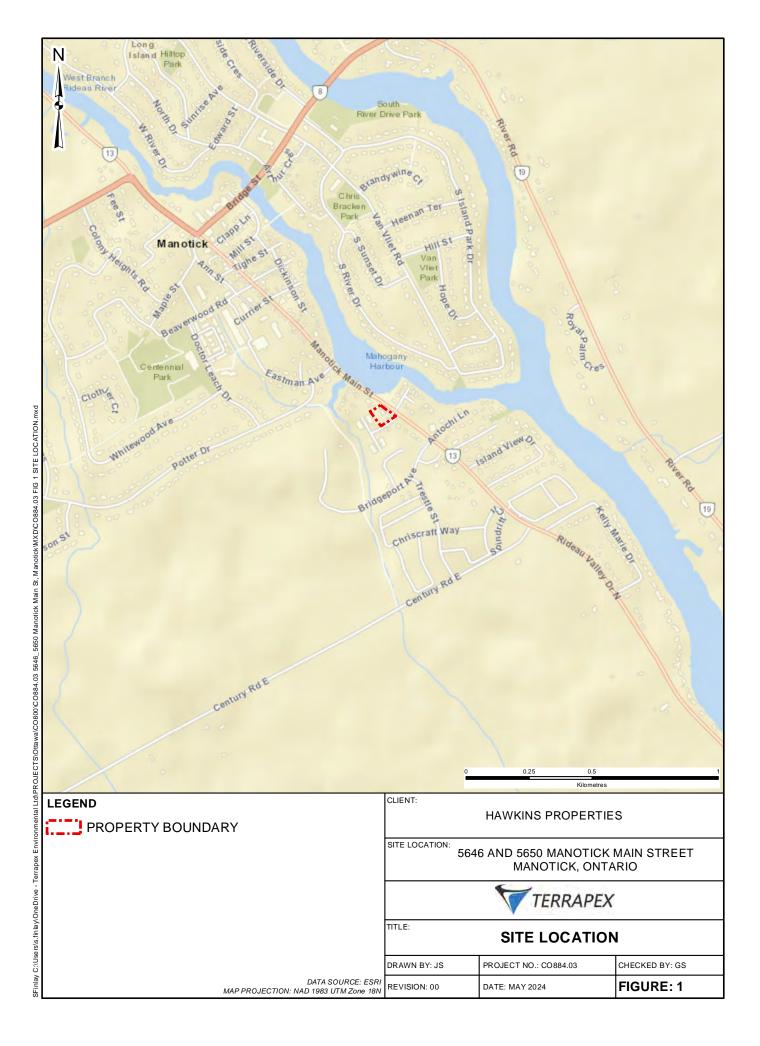


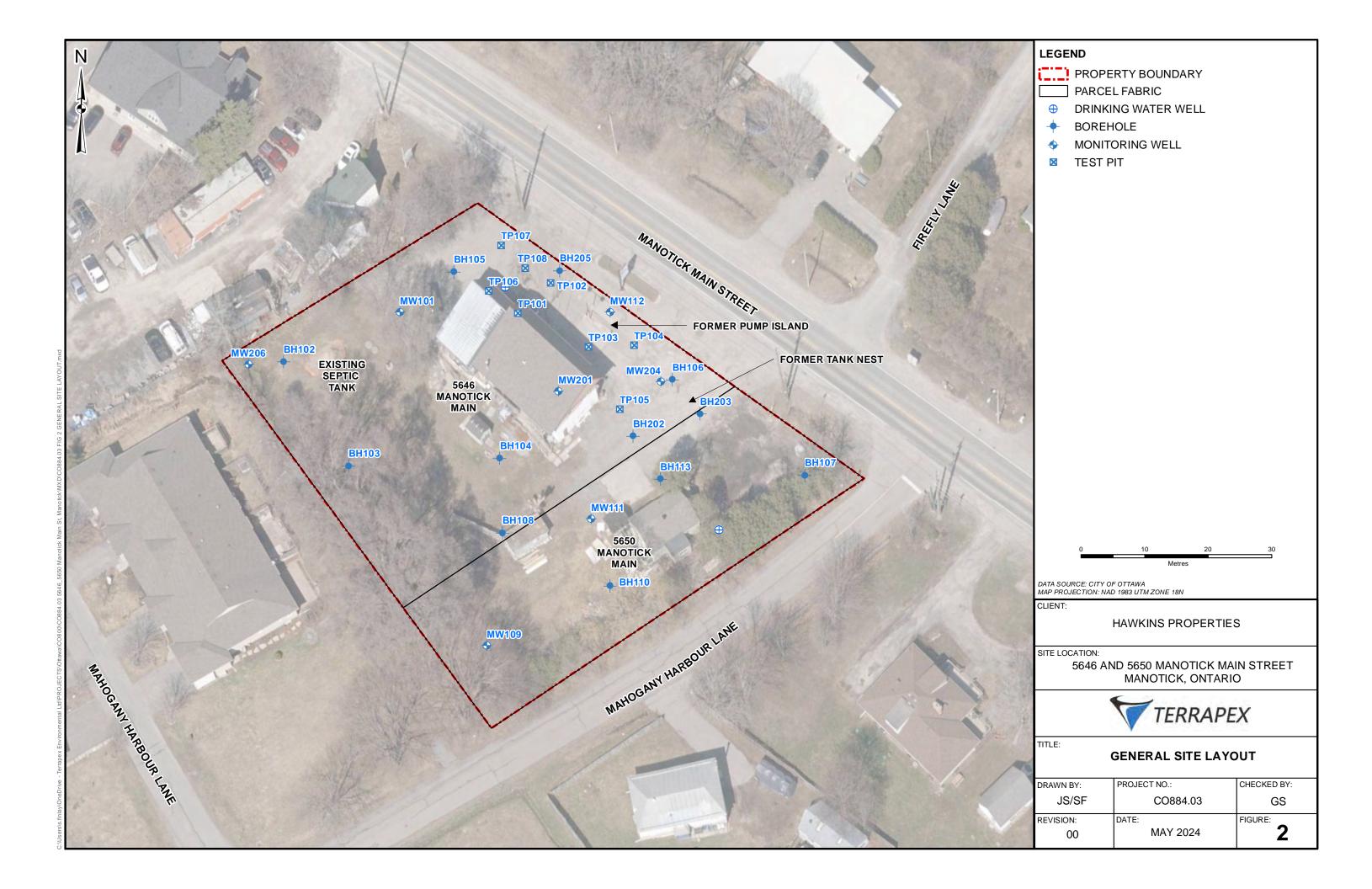
585 Coopers Avenue Ossissauga, Ontario L4Z 1Y2 12. 101 Fax. 905.712.5122 webearth.agatlabs.com

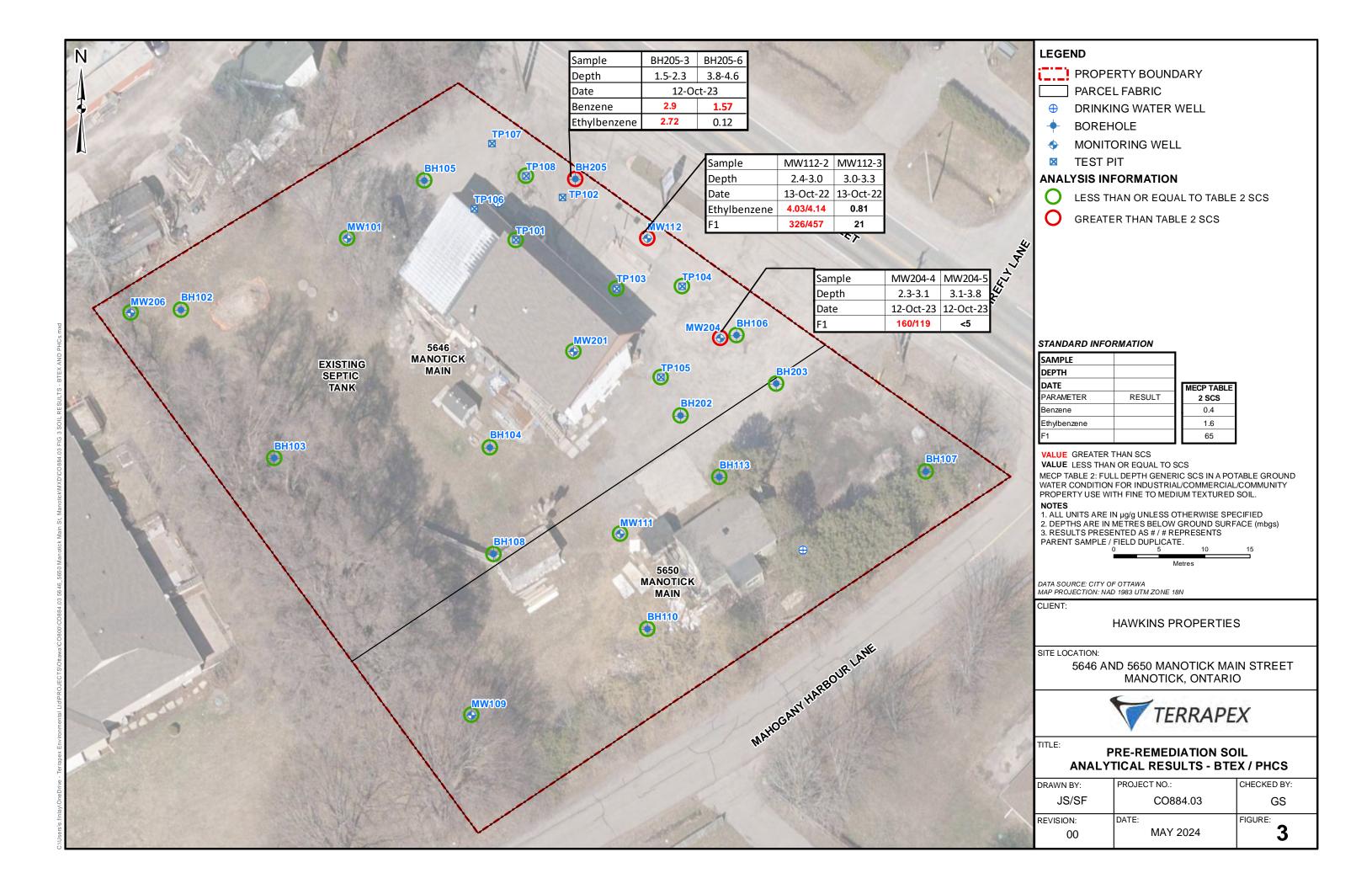
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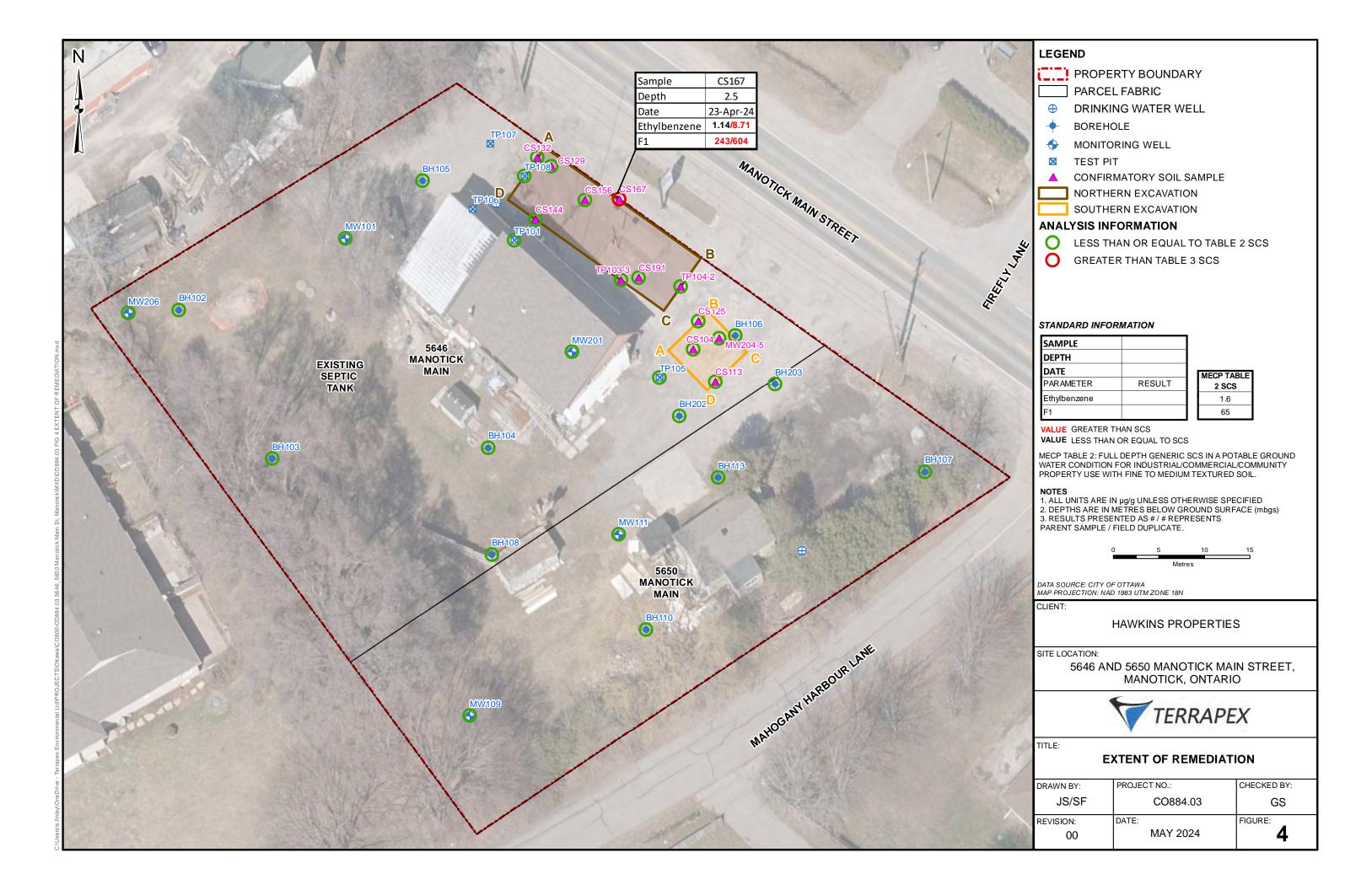
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Report Information Company:	mation: Terrapex				Reg (Please	gulatory Requestie boxes	uirements:								ustod otes:	y Seal	ntact:		□Yes		□No	Z ¹N,
Contact:	Greg Sabourin				TX Re	egulation 153/04	Regulation 406	3	Sev										40			
Address:	1-20 Gurdwara Road	1-20 Gurdwara Road			hie		Sanitary Storm						Turnaround Time (TAT) Required:									
	Ottawa, ON K2E 8B3					Ind/cate One Ind/Com	Table ☐Ind/Com		-	Region	1	-		Re	gula	ar TA1	•		5 to 7	' Busine	ss Days	
Phone:	613-745-6471	Fax:				Res/Park Agriculture	☐ Res/Park ☐ Agriculture		Pro					Ru	sh 1	AT (Rus	h Surch	arges A	pply)			
Reports to be sent to:	g.sabourin@terrapex.com	T GAL			11	exture (Check One)			Obj	ectives	(PWC	(0)				3 Busi			2 Pur	siness	1	Next Busin
1. Email:	6.saooume terrapezatom				- 11	Coarse	Regulation 558	3	Oth	er						3 Busi Days	1655] Days		A	Next Busin Day
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Project Infor	CO884.03					f Site Condition			rtifica										prior not			
Project: Site Location:	5650 Manotick Main Street				- _	Yes 🗵	No	X	Yes	3	П	No										holidays
Sampled By:	E. Boonstra							-	-			-		_					s, please	eontac	t your A	GAT CSR
AGAT Quote #:	17116440659 - So 2024	PO:			Log	al Sample	1	8	0.	. Reg 15	3			-). Reg	-	0. Re 558				-	
	Please note: If quotation number is n		be billed full price for	analysis.	Leg	ai Sailipie L		CrVI, DOC						Package		چ ق	10.P.	e Legs		0		- 1
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Sam	ple Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix		nments/ Instructions	Y/N	Metals	Metals -	BTEX,	VOC PAHs	PCBs: Aroclors	Regulation 406	EC, SAR	Regulation 406 SI mSPLP: ☐ Metals	Landfill	TCLP: ☐M&I ☐VOCS ☐AB Corrosivity: ☐ Moisture				=
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2. 652	/		17:05AN		5			N	4	X	X				1							
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4. 654			14:15 AN		5			N	2	X	X											
5. 655			14:20 AN	3	5			N.	40	X	X					-					7	
6. 656			14.25AN		5			N	之	V	X											
7. 657			14:30AN		5			N	1	V	X											
8. 658			14.35AN		5	1		N	易	3	X											
9. 655			14:40AN		5			10	18	V	X									1		
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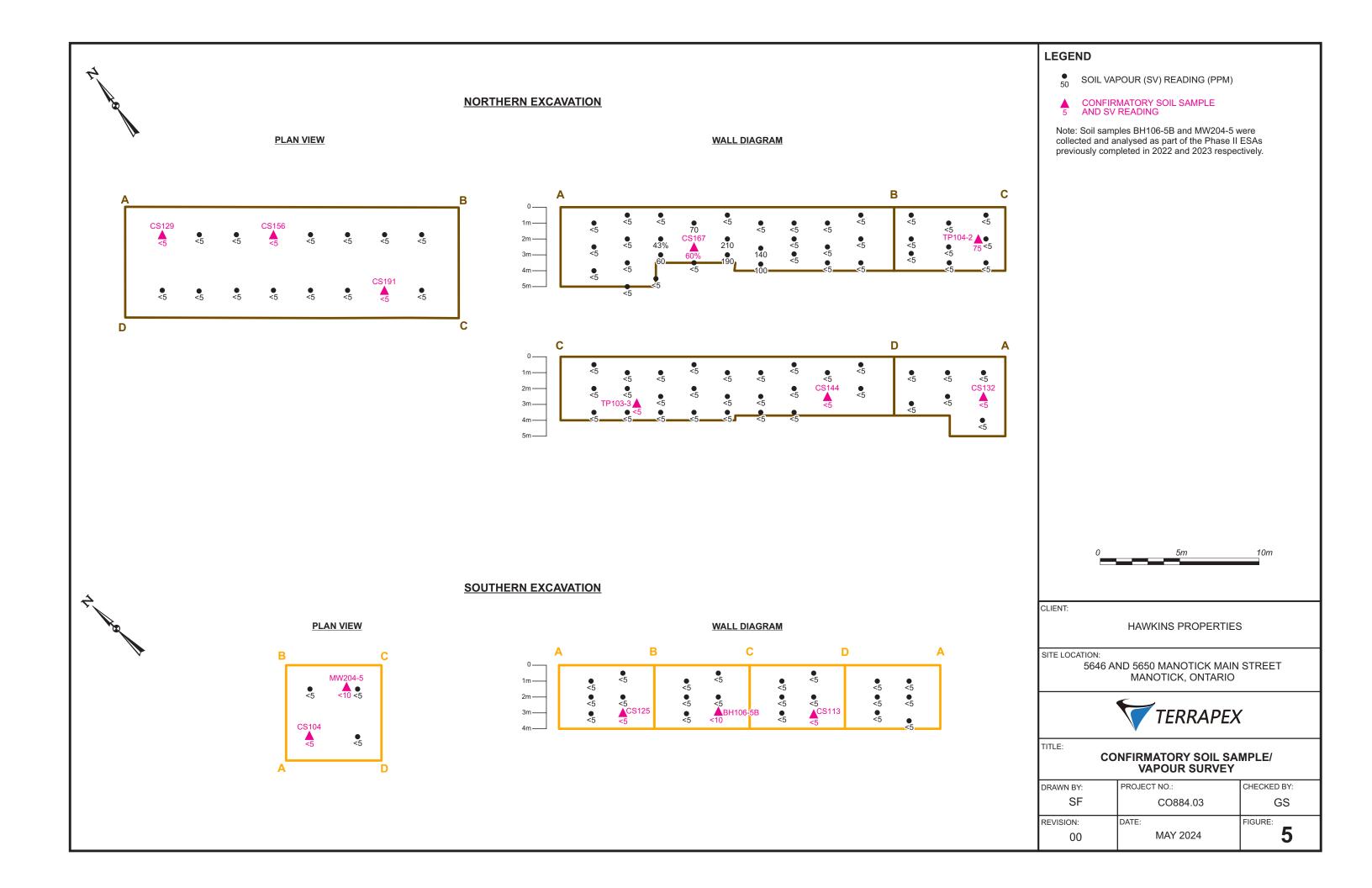












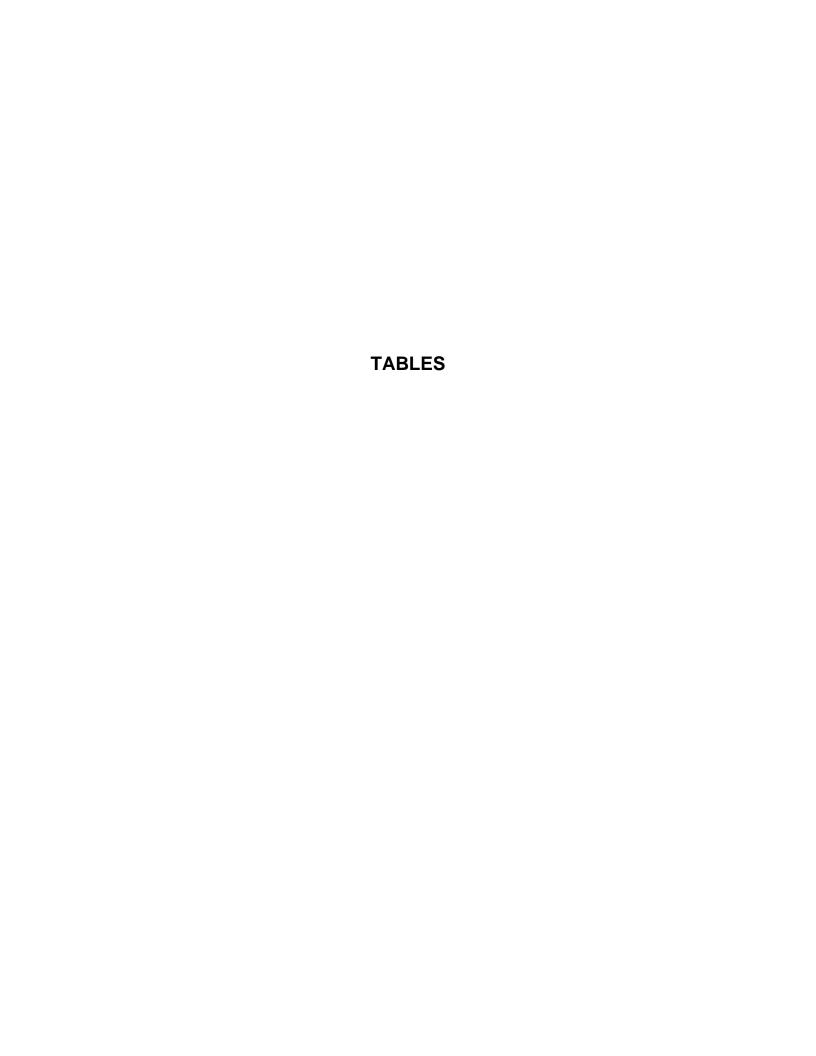


TABLE 1: SOIL ANALYTICAL RESULTS - METALS AND INORGANICS 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

SAMPLE NAME	UNITS	STANDARDS Table 1 Non-Agricultural	GS1	GS2	GS3	GS4	GS5	GS6	GS7	GS8	GS9	GS10	GS11 Duplicate of	RPD
													GS10	
Sampling Date	dd-mmm-yy	-	12-Apr-24	- 1										
Analysis Date (on or before)	dd-mmm-yy	-	16-Apr-24	-										
Certificate of Analysis No.	-	-	24Z139245	-										
METALS														-
Barium	ug/g	220	18.2	17.6	16.3	16.6	15.7	15.9	16.9	16.2	17.7	17.1	18.2	-
Beryllium	ug/g	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Boron (Total)	ug/g	36	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
Cadmium	ug/g	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Chromium Total	ug/g	70	6	7	7	7	6	7	7	7	9	9	7	-
Cobalt	ug/g	21	3.2	3.4	3.1	3.7	2.9	3	3.1	3.1	3.5	4.1	3.3	-
Copper	ug/g	92	6.7	7.2	6.7	7.2	8.2	6.7	6.8	6.7	7.1	6.9	7.1	-
Lead	ug/g	120	2	2	2	2	2	2	2	2	2	2	2	-
Mercury	ug/g	0.27	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Molybdenum	ug/g	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Nickel	ug/g	82	5	6	5	5	5	5	5	5	6	6	5	-
Silver	ug/g	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Thallium	ug/g	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Uranium	ug/g	2.5	<0.50	<0.50	<0.50	0.62	<0.50	<0.50	0.54	0.52	0.58	0.66	0.55	-
Vanadium	ug/g	86	14.6	17.8	16.3	18.9	15	16	18.1	20.7	25.5	23.5	16.5	-
Zinc	ug/g	290	11	11	10	11	10	10	10	11	10	11	11	-
HYDRIDE-FORMING METALS														
Antimony	ug/g	1.3	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-
Arsenic	ug/g	18	<1	<1	<1	<1	<1	<1	<1	<1	1	1	<1	-
Selenium	ug/g	1.5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 1: Full Depth Background SCS

Non-Agricultural Property-Use, Any Soil Texture

Parameter not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
RPD Relative percent difference
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

<u>Value</u> Exceeds standard

Value Detection limit exceeds standard

Hot water soluble boron applies to surface soils (<1.5 m bg).



TABLE 2: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

SAMPLE NAME	UNITS	STANDARDS	GS1	GS2	GS3	GS4	GS5	GS6	GS7	GS8	GS9	GS10	GS11	RPD
		Table 1 Non- Agricultural											Duplicate of GS10	
Sampling Date	dd-mmm-yy	-	12-Apr-24											
Analysis Date (on or before)	dd-mmm-yy	-	16-Apr-24											
Certificate of Analysis No.	-	-	24Z139245											
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)														
Benzene	ug/g	0.020	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-
Toluene	ug/g	0.20	< 0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	<0.05	< 0.05	-
Ethylbenzene	ug/g	0.050	< 0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
m-Xylene & p-Xylene	ug/g	0.050	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
o-Xylene	ug/g	0.050	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Xylenes (Total)	ug/g	0.050	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
PETROLEUM HYDROCARBONS (PHCs)														
Petroleum Hydrocarbons F1	ug/g	25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
Petroleum Hydrocarbons F1-BTEX	ug/g	25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
Petroleum Hydrocarbons F2	ug/g	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Petroleum Hydrocarbons F3	ug/g	240	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-
Petroleum Hydrocarbons F4	ug/g	120	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 1: Full Depth Background SCS

Non-Agricultural Property-Use, Any Soil Texture

- Not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

<u>Value</u>
Detection limit exceeds standard

F1 fraction does not include BTEX



TABLE 3: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2 I/C/C fine/medium	TP101-4	TP103-4	TP104-2	TP105-4	TP108-2	Methanol Blank	Methanol Blank
Vapour Reading	see note	-	<5 ppm	<5 ppm	75 ppm	<5 ppm	15 ppm	-	-
Sample Depth	m bg	-	4.0	3.0	2.0	3.0	2.0	-	-
Sampling Date	dd-mmm-yy	-	12-Apr-24	12-Apr-24	12-Apr-24	12-Apr-24	15-Apr-24	12-Apr-24	15-Apr-24
Analysis Date (on or before)	dd-mmm-yy	-	16-Apr-24	16-Apr-24	16-Apr-24	16-Apr-24	17-Apr-24	16-Apr-24	17-Apr-24
Certificate of Analysis No.	-	-	24Z138772	24Z138772	24Z138772	24Z138772	24Z139246	24Z138772	24Z139246
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)									
Benzene	ug/g	0.40	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	ug/g	9.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PETROLEUM HYDROCARBONS (PHCs)									
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	22	<5	<5	<5	<5
Petroleum Hydrocarbons F2	ug/g	250	<10	<10	<10	<10	<10	-	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA	NA	NA	NA	NA	-	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

- Not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

Value
 Detection limit exceeds standard
 F1 fraction does not include BTEX



TABLE 4: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2	CS104	CS1004	RPD	CS113	CS125	CS129	CS132	CS144	CS156	CS167	CS1067	RPD
		I/C/C fine/medium		DUPLICATE OF CS104									DUPLICATE OF CS167	
Vapour Reading	see note	-	<5 ppm	-	-	<5 ppm	60% LEL	-	-					
Sample Depth	m bg	-	4.0	4.0	-	3.0	3.0	5.0	2.5	2.5	3.5	2.5	2.5	-
Sampling Date	dd-mmm-yy	-	18-Apr-24	18-Apr-24	-	18-Apr-24	18-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	23-Apr-24	-
Analysis Date (on or before)	dd-mmm-yy	-	24-Apr-24	24-Apr-24	-	24-Apr-24	24-Apr-24	24-Apr-24	29-Apr-24	29-Apr-24	25-Apr-24	1-May-24	1-May-24	-
Certificate of Analysis No.	-	-	24Z140682	24Z140682	-	24Z140682	24Z140682	24Z142310	24Z142312	24Z142312	24Z142833	24Z142834	24Z142834	-
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)														
Benzene	ug/g	0.40	<0.02	<0.02	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-
Toluene	ug/g	9.0	< 0.05	<0.05	-	<0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	< 0.05	0.28	-
Ethylbenzene	ug/g	1.6	< 0.05	<0.05	-	< 0.05	<0.05	< 0.05	<0.05	< 0.05	<0.05	1.14	<u>8.71</u>	154%
Xylenes (Total)	ug/g	30	< 0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.8	27.6	152%
PETROLEUM HYDROCARBONS (PHCs)														
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	-	<5	<5	<5	<5	<5	<5	<u>243</u>	<u>604</u>	85%
Petroleum Hydrocarbons F2	ug/g	250	<10	<10	-	<10	<10	<10	<10	<10	<10	47	60	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	<50	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	<50	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA	NA	-	NA	NA	-						

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

Not analyzed
 m bg
 meters below grade
 ppm
 parts per million by volume
 % LEL
 percent of the lower explosive limit
 NV
 No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

<u>Value</u>
Detection limit exceeds standard

F1 fraction does not include BTEX



TABLE 4: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2 I/C/C fine/medium	CS191	Methanol Blank	Methanol Blank
Vapour Reading	see note	-	<5 ppm	-	-
Sample Depth	m bg	-	4.0	-	-
Sampling Date	dd-mmm-yy	-	24-Apr-24	18-Apr-24	23-Apr-24
Analysis Date (on or before)	dd-mmm-yy	-	25-Apr-24	24-Apr-24	26-Apr-24
Certificate of Analysis No.	-	-	24Z142836	24Z140682	24Z142312
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)					
Benzene	ug/g	0.40	<0.02	<0.02	<0.02
Toluene	ug/g	9.0	< 0.05	< 0.05	<0.05
Ethylbenzene	ug/g	1.6	< 0.05	< 0.05	<0.05
Xylenes (Total)	ug/g	30	< 0.05	< 0.05	< 0.05
PETROLEUM HYDROCARBONS (PHCs)					
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	<5
Petroleum Hydrocarbons F2	ug/g	250	<10	-	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	-	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	-	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA		<u> </u>

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

- Not analyzed
m bg meters below grade
ppm parts per million by volume
% LEL percent of the lower explosive limit
NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

Value Exceeds standard

<u>Value</u>
Detection limit exceeds standard

F1 fraction does not include BTEX



TABLE 5: SOIL ANALYTICAL RESULTS - BTEX AND PHCs 5646 AND 5650 MANOTICK MAIN STREET, MANOTICK, ONTARIO

Sample Name	Units	STANDARDS Table 2 I/C/C fine/medium	SP101	SP103	SP105	SP201	SP203	SP205	Methanol Blank	Methanol Blank
Vapour Reading	see note	-	<5 ppm	-	-					
Sampling Date	dd-mmm-yy	-	23-Apr-24	23-Apr-24	23-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	23-Apr-24	25-Apr-24
Analysis Date (on or before)	dd-mmm-yy	-	1-May-24	1-May-24	1-May-24	30-Apr-24	30-Apr-24	30-Apr-24	1-May-24	30-Apr-24
Certificate of Analysis No.	-	-	24Z142834	24Z142834	24Z142834	24Z143377	24Z143377	24Z143377	24Z142834	24Z143377
BENZENE, TOLUENE, ETHYBENZENE, XYLENES (BTEX)										
Benzene	ug/g	0.40	<0.02	<0.02	<0.02	<0.02	< 0.02	<0.02	<0.02	<0.02
Toluene	ug/g	9.0	< 0.05	<0.05	< 0.05	<0.05	< 0.05	<0.05	< 0.05	< 0.05
Ethylbenzene	ug/g	1.6	< 0.05	<0.05	< 0.05	<0.05	< 0.05	<0.05	< 0.05	< 0.05
Xylenes (Total)	ug/g	30	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05
PETROLEUM HYDROCARBONS (PHCs)										
Petroleum Hydrocarbons F1 ¹	ug/g	65	<5	<5	<5	<5	<5	<5	<5	<5
Petroleum Hydrocarbons F2	ug/g	250	<10	<10	<10	<10	<10	<10	-	-
Petroleum Hydrocarbons F3	ug/g	2,500	<50	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4	ug/g	6,600	<50	<50	<50	<50	<50	<50	-	-
Petroleum Hydrocarbons F4G	ug/g	6,600	NA	NA	NA	NA	NA	NA	-	-

Standards from Soil, Ground Water and Sediment Standards for Use Under Part XV.1

of the Environmental Protection Act (April 15, 2011 and as amended)

Table 2: Full Depth Generic SCS in a Potable Ground Water Condition

Industrial/Commercial/Community Property-Use, Fine- to Medium-Textured Soil

Not analyzed

m bg meters below grade ppm parts per million by volume

% LEL percent of the lower explosive limit NV No Value; no standard established

NA Not Applicable; no standard established because a standard is not required

RPD Relative percent difference

<u>Value</u> Exceeds standard

Value Detection limit exceeds standard

1 F1 fraction does not include BTEX



ATTACHMENT A EXCESS SOIL REGISTRY DOCUMNETATION





Hawkins Properties (595831 Ontario Inc.) 1220 Potter Drive Ottawa, Ontario K4M 1C8

Attention: Jade Hawkins

General Manager

Re: Excess Soils

Assessment of Past Uses

5646 and 5650 Manotick Main Street, Ottawa, Ontario

Dear Ms. Hawkins,

Further to your request, Terrapex Environmental Ltd. (Terrapex) is pleased to provide this Assessment of Past Uses report, as required for under Ontario Regulation (O.Reg.) 406/19, for removal of contaminated soil from the property located at 5646 and 5650 Manotick Main Street, Ottawa, Ontario (the Site), for disposal at a licensed landfill facility, to facilitate the remediation of the properties.

The Phase Two Environmental 5646 & 5650 Manotick Main Street, Ottawa Ontario completed by Terrapex and dated November 1, 2023, indicated that the soil present in the vicinity of the former tank nest and pump islands, present at a depth of approximately 1.5 to 5.0 m bg at the Site do not meet the O.Reg. 153/04 Table 3 Site Condition Standards. The intent is to remediate environmental soil impacts at the site by excavation of impacted soils for off-site disposal at a licensed landfill facility. Soils removed off-site for this purpose will become "Excess Soils" as per O.Reg 406/19.

As per O.Reg.406/19, Section 11(3), as existing site data collected has confirmed the presence of contaminated soils at the site that are likely to become "Excess Soils" under the Regulation, then these past assessment activities and data are deemed to satisfy the requirements for an Assessment of Past Uses Report.

Furthermore, it is the opinion of the Qualified Person that any soils at the site with concentrations of contaminants exceeding the Table 2 Site Condition Standards are unsuitable for re-use at this site, or any other property, and that the only practical remedial option is off-site disposal at a licensed landfill facility. As such, in accordance with Section B, Subsection 2 (6) of the Rules for Soil Management and Excess Soil Quality Standards, the sampling and analysis requirements set out in Section B will not be followed.

CLOSURE

The work described herein was conducted in accordance with the terms of reference for this project, agreed upon by Hawkins Properties and Terrapex Environmental Ltd. Terrapex Environmental Ltd. has exercised due care, diligence, and judgement in the performance of this assessment; however, studies of this nature have inherent limitations. This report is intended to provide only a general assessment of substances of concern that may be present at the site. By necessity, the findings and observations regarding actual or potential presence of such substances are based solely on the extent of observations and information gathered during the assessment, and subsequent investigations of differing scope may reveal conflicting results.

This report has been prepared for the sole use of Hawkins Properties. Terrapex Environmental Ltd. accepts no liability for claims arising from the use of this report, or from actions taken or decisions made as a result of this report, by parties other than Hawkins Properties.

Sincerely,

TERRAPEX ENVIRONMENTAL LTD.

Greg Sabourin, P.Eng. Project Manager Qualified Person

DRAFT



April 5, 2024 CO884.03

Hawkins Properties (595831 Ontario Inc.) 1220 Potter Drive Ottawa, Ontario K4M 1C8

Attention: Jade Hawkins

General Manager

Re: Excess Soils

Destination Assessment Report

5646 and 5650 Manotick Main Street, Ottawa, Ontario

Dear Ms. Hawkins,

Further to your request, Terrapex Environmental Ltd. (Terrapex) is pleased to provide this Destination Assessment Report, as required for under Ontario Regulation (O.Reg.) 406/19, for removal of contaminated soil from the properties located at 5646 and 5650 Manotick Main Street, Ottawa, Ontario (the Site), for disposal at a licensed landfill facility, to facilitate the remediation of the properties.

Prior assessment activities at the Site have indicated the presence of contaminated soils with concentrations of petroleum hydrocarbon-related parameters exceeding the Ontario Regulation (O.Reg.) 153/04 Table 3 Site Condition Standards. The intent is to dispose of all impacted soil excavated during the Site upgrade work and transport it off-site for disposal at a licensed landfill facility.

It is the opinion of the Qualified Person that base on available results and field observations all soils excavated at the Site can be inferred to have concentrations of contaminants exceeding the Table 3 Site Condition Standards, and similarly exceeding the Table 2 Site Condition Standards, are unsuitable for re-use at this site, or any other property, and that the only practical option is off-site disposal at a licensed landfill facility. No other Excess Soils are expected to be generated at the Site during the remediation.

Estimated Volume of Excess Soil: 900 m³

Contaminated Excess Soils will be removed off-site for disposal at:

Company Name: GFL Street: 17125 Lafleche Rd.

City: Moose Creek

Province: ON

Postal Code: K0A 1MO

DRAFT

Governing Instrument: Environmental Compliance Approval NUMBER 8197-6NYJXP

Contingent Disposal Site: None

Processing of Excess Soils Prior to Removal: None

Approximate Date of Soil Movement: April and May 2024

Excess Soil Expected to Meet Table 2.1: None

Fill Management Plan: Not required/developed

CLOSURE

The work described herein was conducted in accordance with the terms of reference for this project, agreed upon by Hawkins Properties and Terrapex Environmental Ltd.

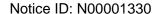
Terrapex Environmental Ltd. has exercised due care, diligence, and judgement in the performance of this assessment; however, studies of this nature have inherent limitations. This report is intended to provide only a general assessment of substances of concern that may be present within the building at the site. By necessity, the findings and observations regarding actual or potential presence of such substances are based solely on the extent of observations and information gathered during the assessment, and subsequent investigations of differing scope may reveal conflicting results.

This report has been prepared for the sole use of Suncor. Terrapex Environmental Ltd. accepts no liability for claims arising from the use of this report, or from actions taken or decisions made as a result of this report, by parties other than Suncor.

Sincerely,

TERRAPEX ENVIRONMENTAL LTD.

Greg Sabourin, P.Eng.. Project Manager





Notice Details

Company Name Terrapex

Notice ID N00001330

Filing Type Project Area Notice

Submission Status In Progress

Notice last updated by Greg Sabourin on Apr 18, 2024 12:25 PM

Pre-Screening Questions

Review the notice filing requirements for project areas to ensure you are required to submit a notice before you begin your submission. For more information, visit our Excess Soil <u>webpage</u> If you voluntarily file a project area notice, you will be required to pay the applicable fees and your notice will be publicly available.

Do you wish to proceed?

Yes

Contact Details

Contact Name Robert Gourlay

Contact Type Operator

Company Name

Robert Gourlay Equipment

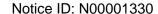
bobgourlay@sympatico.ca

Business Phone Number 6138228722

Address 6431 Bank Street, Ottawa, Ontario, K0A 2P0

Contact Name Domenic LaDuca
Contact Type Project Leader

Company Name Hawkins Properties





Email mladuca@hawkinsproperties.org

Business Phone Number 6135396440

Address 650a Eagleson Road, Kanata, Ontario, K2M1h4

Contact Name Gregory Sabourin
Contact Type Authorized Person

Company Name

Terrapex Environmental Inc.

Email

g.sabourin@terrapex.com

Business Phone Number 6135587571

Address 20 Gurdwara ON, Ottawa, Ontario, K2E 8B3

Contact Name Robert Gourlay

Contact Type Responsible for Transportation

Company Name

Robert Gourlay Equipment

bobgourlay@sympatico.ca

Business Phone Number 6138228722

Address 6431 Bank Street, Ottawa, Ontario, K0A2P0

Project Details

Project Type Soil remediation

Project Name MM24/25

Description of the Project Remedial Excavation of petroleum impacted soil

at a former retail fuel outlet.

Description of the Location of the Project

Area

Former retail fuel outlet at 5650 Manotick Main

Street, Ottawa, Ontario





Property Locations

Property Type Non-linear Property

Primary Property

Municipality Ottawa, City of

Property Description Former retail fuel outlet located at the southern

side of Manotick Main Street

Latitude 45.220121 Longitude -75.676855

Legal Description of the Property Part of Lot 4, Concession A North Gower (aka

Concession Broken Front)

Qualified Person retained to prepare or oversee the preparation of documents

Was a Qualified Person retained to prepare Yes

or oversee the preparation of documents

required under the regulation?

Contact Name Gregory Sabourin

Company Name Terrapex Environmental Ltd.

Email g.sabourin@terrapex.com

Business Phone Number 6135587571

Address 20 Gurdwara Road, Ottawa, Ontario, K2E 8B3

Peer Review or Certification Process

Was a peer review or certification process **No**

undertaken for this project?





Soil Details

Applicable Excess Soil Quality Standards

Table	Type of Property Use	Estimated Amount of Excess Soil (m3)	
Does not meet a standard	Not Applicable	1500	
	Total Estimated Amount of Excess Soil (m3)	1500.00	

List of Substances

Use of Substance	Category	Name of Substance

Destination Sites

Site Type Landfill or Dump

Site Name GFL Moose Creek Landfill

Location 17125 LaFleche Road, Moose Creek, Ontario,

KOC1W0, Ontario KOC1W0 Canada

Community North Stormont, Township of

Latitude **45.30693**Longitude **-74.995858**

Estimated Amount of Excess Soil (m3) 1500

ATTACHMENT B SITE PHOTOGRAPHS



Page 1 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON Project No: CO884.03

Photo No: 1

Date: April 15, 2024

Viewing Direction:

southwest

Description:

View of test pit TP108.



Photo No: 2

Date: April 15, 2024

Viewing Direction:

west

Description:

View of test pit TP108.





Page 2 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 3

Date: April 18, 2024

Viewing Direction:

northwest

Description:

View of the area of the southern excavation.



Photo No: 4

Date: April 18, 2024

Viewing Direction:

southeast

Description:

View of the area of the southern excavation.





Page 3 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 5

Date: April 23, 2024

Viewing Direction:

northwest

Description:

View of the clean stockpile SP200.



Photo No: 6

Date: April 18, 2024

Viewing Direction:

northwest

Description:

View of the clean stockpile SP100.





Page 4 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 7

Date: April 18, 2024

Viewing Direction:

southeast

Description:

View of stockpiled contaminated soil.



Photo No: 8

Date: April 18, 2024

Viewing Direction:

west

Description:

View of the final dimension of the southern excavation.





Page 5 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 9

Date: April 24, 2024

Viewing Direction:

east

Description:

View of the central portion of the northern excavation and the removal of MW112.



Photo No: 10

Date: April 23, 2024

Viewing Direction:

south

Description:

View of the northern excavation along the eastern property line (east wall).





Page 6 of 6

Client: 595831 Ontario

Inc.

Site Location:

5646 and 5650 Manotick Main Street, Ottawa, ON

Project No: CO884.03

Photo No: 11

Date: April 24, 2024

Viewing Direction: southwest

Description:

View of the shipping of contaminated soil.



ATTACHMENT C WASTE DOCUMENTATION

Moose Creek Weigh Bills - DRAFT

	Ticket Number	Date (entered Moose Creek)	Qt. (kg)
1	611412	23-Apr-24	31950
2	611459	24-Apr-24	27610
3	611449	24-Apr-24	36140
4	611465	24-Apr-24	45610
5	611471	24-Apr-24	26730
6	611474	24-Apr-24	14680
7	611517	24-Apr-24	24080
8	611525	24-Apr-24	21010
9	611532	24-Apr-24	19960
10	611539	24-Apr-24	19030
11	611550	24-Apr-24	34780
12	611587	24-Apr-24	18550
13	611589	24-Apr-24	12020
14	611579	24-Apr-24	23770
15	611605	25-Apr-24	21210
16	611645	25-Apr-24	27650
17	611655	25-Apr-24	15690
18	611662	25-Apr-24	26410
19	611669	25-Apr-24	27400
20	611930	25-Apr-24	46400

520680

520.68



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 23/04/2024 8:20 am EXIT: 23/04/2024 8:20 am

GROSS 51600 ka Manual 19650 kg TARE Manual

NET 31950 kg

Qty Unit Description

31.95 MT CONTAMINATED SOIL

> Have A Nice Day! **ALL SALES ARE FINAL**

SIGNATURE:

TICKET#: 611412

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 23/04/2024 8:20 am EXIT: 23/04/2024 8:20 am

GROSS 51600 kg k Manual 19650 Manual **TARE** kg

31950 NET kq

QTY Unit Description

31.95 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE #: PA27014

CONTAINER: LICENSE:

GFL MANUAL #29831 REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

PA27014 VEHICLE:

CONTAINER:

LICENSE:

GFL MANUAL #29831 REFERENCE:



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:27 am EXIT: 24/04/2024 10:51 am

Scale In GROSS 48730 kg 21120 kg TARE Scale Out

27610 kg NET

Qty Unit Description

27.61 MT CONTAMINATED SOIL

> Have A Nice Day! **ALL SALES ARE FINAL**

SIGNATURE:

TICKET#: 611459

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:27 am EXIT: 24/04/2024 10:51 am

GROSS 48730 kg k Scale In Scale Out 21120 **TARE** kg

27610 kg NET

QTY Unit Description

27.61 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

BC 82042 LICENSE:

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

BC 82042 VEHICLE:

CONTAINER:

BC 82042 LICENSE:



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:10 am EXIT: 24/04/2024 10:31 am

GROSS 57070 kg Scale In TARE 20930 kg Scale Out

NET 36140 kg

Qty Unit Description

36.14 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611449

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON K0C 1W0

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:10 am EXIT: 24/04/2024 10:31 am

GROSS 57070 kg k Scale In TARE 20930 kg Scale Out

NET 36140 kg

QTY Unit Description

36.14 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc.

17125 Lafleche Road

MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:30 am EXIT: 24/04/2024 11:12 am

GROSS 65630 kg Scale In TARE 20020 kg Scale Out

NET 45610 kg

Qty Unit Description

45.61 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611465

GFL Environmental Inc.

17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:30 am EXIT: 24/04/2024 11:12 am

GROSS 65630 kg k Scale In TARE 20020 kg Scale Out

NET 45610 kg

QTY Unit Description

45.61 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: PA34310

CONTAINER:

LICENSE: PA34310

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: PA34310

CONTAINER:

LICENSE: PA34310



GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK ON KOC 1WO

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:50 am EXIT: 24/04/2024 11:18 am

GROSS 46690 kg Scale In TARE 19960 kg Scale Out

NET 26730 kg

Qty Unit Description

26.73 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611471

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:50 am EXIT: 24/04/2024 11:18 am

GROSS 46690 kg k Scale In TARE 19960 kg Scale Out

NET 26730 kg

QTY Unit Description

26.73 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:56 am EXIT: 24/04/2024 11:23 am

GROSS 29600 kg Scale In TARE 14920 kg Scale Out

NET 14680 kg

Qty Unit Description

14.68 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611474

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 10:56 am EXIT: 24/04/2024 11:23 am

GROSS 29600 kg k Scale In TARE 14920 kg Scale Out

NET 14680 kg

QTY Unit Description

14.68 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

LICENSE: BE 21121

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BE 21121

CONTAINER:

LICENSE: BE 21121



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 12:58 pm EXIT: 24/04/2024 1:23 pm

GROSS 45180 kg Scale In TARE 21100 kg Scale Out

NET 24080 kg

Qty Unit Description

24.08 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611517

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 12:58 pm EXIT: 24/04/2024 1:23 pm

GROSS 45180 kg k Scale In TARE 21100 kg Scale Out

NET 24080 kg

QTY Unit Description

24.08 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:24 pm EXIT: 24/04/2024 1:42 pm

Scale In GROSS 42120 kg 21110 kg TARE Scale Out

21010 kg NET

Qty Unit Description

21.01 MT CONTAMINATED SOIL

> Have A Nice Day! **ALL SALES ARE FINAL**

SIGNATURE:

TICKET#: 611525

GFL Environmental Inc.

17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:24 pm EXIT: 24/04/2024 1:42 pm

GROSS 42120 kg k Scale In 21110 kg Scale Out **TARE**

21010 kg NET

QTY Unit Description

21.01 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

BC 82042 LICENSE:

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

BC 82042 VEHICLE:

CONTAINER:

BC 82042 LICENSE:



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:38 pm EXIT: 24/04/2024 2:03 pm

GROSS 39890 kg Scale In TARE 19930 kg Scale Out

NET 19960 kg

Qty Unit Description

19.96 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611532

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 1:38 pm EXIT: 24/04/2024 2:03 pm

GROSS 39890 kg k Scale In TARE 19930 kg Scale Out

NET 19960 kg

QTY Unit Description

19.96 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:11 pm EXIT: 24/04/2024 2:23 pm

GROSS 34100 kg Scale In TARE 15070 kg Scale Out

NET 19030 kg

Qty Unit Description

19.03 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611539

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON K0C 1W0

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:11 pm EXIT: 24/04/2024 2:23 pm

GROSS 34100 kg k Scale In TARE 15070 kg Scale Out

NET 19030 kg

QTY Unit Description

19.03 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

LICENSE: BE 21121

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BE 21121

CONTAINER:

LICENSE: BE 21121



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:30 pm EXIT: 24/04/2024 2:57 pm

GROSS 54760 kg Scale In TARE 19980 kg Scale Out

NET 34780 kg

Qty Unit Description

34.78 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611550

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 2:30 pm EXIT: 24/04/2024 2:57 pm

GROSS 54760 kg k Scale In TARE 19980 kg Scale Out

NET 34780 kg

QTY Unit Description

34.78 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: PA34810

CONTAINER:

LICENSE: PA34810

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: PA34810

CONTAINER:

LICENSE: PA34810



GFL Environmental Inc.

17125 Lafleche Road

MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:12 pm EXIT: 24/04/2024 4:32 pm

GROSS 38430 kg Scale In TARE 19880 kg Scale Out

NET 18550 kg

Qty Unit Description

18.55 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611587

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:12 pm EXIT: 24/04/2024 4:32 pm

GROSS 38430 kg k Scale In TARE 19880 kg Scale Out

NET 18550 kg

QTY Unit Description

18.55 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:33 pm EXIT: 24/04/2024 4:45 pm

GROSS 27060 kg Scale In TARE 15040 kg Scale Out

NET 12020 kg

Qty Unit Description

12.02 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611589

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 4:33 pm EXIT: 24/04/2024 4:45 pm

GROSS 27060 kg k Scale In TARE 15040 kg Scale Out

NET 12020 kg

QTY Unit Description

12.02 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

LICENSE: BE 21121

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BE 21121

CONTAINER:

LICENSE: BE 21121



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 24/04/2024 3:38 pm EXIT: 24/04/2024 4:04 pm

GROSS 44610 kg Scale In TARE 20840 kg Scale Out

NET 23770 kg

Qty Unit Description

23.77 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611579

GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK, ON K0C 1W0

(a.c.) ----

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 24/04/2024 3:38 pm EXIT: 24/04/2024 4:04 pm

GROSS 44610 kg k Scale In TARE 20840 kg Scale Out

NET 23770 kg

QTY Unit Description

23.77 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 7:51 am EXIT: 25/04/2024 8:10 am

GROSS 42460 kg Scale In TARE 21250 kg Scale Out

NET 21210 kg

Qty Unit Description

21.21 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611605

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 7:51 am EXIT: 25/04/2024 8:10 am

GROSS 42460 kg k Scale In TARE 21250 kg Scale Out

NET 21210 kg

QTY Unit Description

21.21 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

LICENSE: BC 82042 REFERENCE: MM24

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82042

CONTAINER:

LICENSE: BC 82042 REFERENCE: MM24



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(010) TOO OTTO

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 9:39 am EXIT: 25/04/2024 9:59 am

GROSS 48490 kg Scale In TARE 20840 kg Scale Out

NET 27650 kg

Qty Unit Description

27.65 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611645

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 9:39 am EXIT: 25/04/2024 9:59 am

GROSS 48490 kg k Scale In TARE 20840 kg Scale Out

NET 27650 kg

QTY Unit Description

27.65 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82040

CONTAINER:

LICENSE: BC 82040

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82040

CONTAINER:

LICENSE: BC 82040



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:31 am EXIT: 25/04/2024 10:43 am

Scale In GROSS 30930 kg 15240 kg TARE Scale Out

15690 kg NET

Qty Unit Description

15.69 MT CONTAMINATED SOIL

> Have A Nice Day! **ALL SALES ARE FINAL**

SIGNATURE:

TICKET#: 611655

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776 HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:31 am EXIT: 25/04/2024 10:43 am

GROSS 30930 kg k Scale In Scale Out 15240 **TARE** kg

15690 NET kq

QTY Unit Description

15.69 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BE 21121

CONTAINER:

BE 21121 LICENSE:

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

BE 21121 VEHICLE:

CONTAINER:

BE 21121 LICENSE:



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776

HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:45 am EXIT: 25/04/2024 11:07 am

GROSS 47590 kg Scale In TARE 21180 kg Scale Out

NET 26410 kg

Qty Unit Description

26.41 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611662

GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK, ON K0C 1W0

(0.10) TOO STEEL , OIL ING

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 10:45 am EXIT: 25/04/2024 11:07 am

GROSS 47590 kg k Scale In TARE 21180 kg Scale Out

NET 26410 kg

QTY Unit Description

26.41 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BC 82042

CONTAINER:

LICENSE: BC 82042

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BC 82042

CONTAINER:

LICENSE: BC 82042



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 11:08 am EXIT: 25/04/2024 11:29 am

GROSS 47340 kg Scale In TARE 19940 kg Scale Out

NET 27400 kg

Qty Unit Description

27.40 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611669

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON K0C 1W0

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 11:08 am EXIT: 25/04/2024 11:29 am

GROSS 47340 kg k Scale In TARE 19940 kg Scale Out

NET 27400 kg

QTY Unit Description

27.40 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive Manotick, ON K4M 1C8

MM24

VEHICLE #: BL 89653

CONTAINER:

LICENSE: BL 89653

REFERENCE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: BL 89653

CONTAINER:

LICENSE: BL 89653



GFL Environmental Inc. 17125 Lafleche Road MOOSE CREEK ON K0C 1W0

(613) 538-2776 HST - 84188 4893 RT0001

ATTENDENT: sabjoa

ENTER: 25/04/2024 3:09 pm EXIT: 25/04/2024 3:09 pm

GROSS 66370 kg Manual TARE 19970 kg Manual

NET 46400 kg

Qty Unit Description

46.40 MT CONTAMINATED SOIL

Have A Nice Day!

ALL SALES ARE FINAL

SIGNATURE:

GFL GREEN FOR LIFE

TICKET#: 611930

GFL Environmental Inc. 17125 Lafleche Road

MOOSE CREEK, ON KOC 1WO

(613) 538-2776

HST - **84188 4893 RT0001**

ATTENDENT: sabjoa

ENTER: 25/04/2024 3:09 pm EXIT: 25/04/2024 3:09 pm

GROSS 66370 kg k Manual TARE 19970 kg Manual

NET 46400 kg

QTY Unit Description

46.40 MT CONTAMINATED SOIL

Have A Nice Day!
ALL SALES ARE FINAL

SIGNATURE:

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE #: PA34310

CONTAINER:

LICENSE: PA34310

REFERENCE: GFL MANUAL #29834

TYPE INVOICE

001789 - Hawkins Properties - 595831 Ontario Inc. 1220 Potter Drive

Manotick, ON K4M 1C8

MM24

VEHICLE: PA34310

CONTAINER:

LICENSE: PA34310

REFERENCE: GFL MANUAL #29834

ATTACHMENT D TEST PIT LOGS

TP101 Date: 12-APR-2024

	Stratigraphy			Sample Da	ta	
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-	
0.5 - 4.0	SILTY CLAY TO CLAYEY SILT Trace sand Brown, moist	None	<5 ppm	TP101-1	1.0	
		None	<5 ppm	TP102-2	2.0	
3.0	Grey	None	<5 ppm	TP101-3	3.0	
		None	<5 ppm	TP101-4	4.0	BTEX, PHCs
4.0	END OF TEST PIT					

TP102 Date: 12-APR-2024

	Stratigraphy			Sample Da	ıta	
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-	
0.5 - 4.0	SILTY CLAY TO CLAYEY SILT Grey, moist	Slight	220 ppm	TP102-1	1.0	
		Moderate	510 ppm	TP102-2	2.0	
		Moderate	310 ppm	TP102-3	3.0	
4.0	Brown	Slight	410 ppm	TP102-4	4.0	
		None	<5 ppm	TP102-5	5.0	
		None	<5 ppm	TP102-6	5.5	
5.5	END OF TEST PIT					

TP103 Date: 12-APR-2024

	Stratigraphy			Sample Da	ta	
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	None	<5 ppm	TP103-1	0.5	
0.5 - 4.0	SILTY CLAY TO CLAYEY SILT Grey, moist	None	<5 ppm	TP103-2	1.0	
		None	<5 ppm	TP103-3	2.0	
		Slight	<5 ppm	TP103-4	3.0	BTEX, PHCs
		None	<5 ppm	TP103-5	3.5	
		None	<5 ppm	TP103-6	4.0	
4.0	END OF TEST PIT					

TP104 Date: 12-APR-2024

	Stratigraphy			Sample Da	ta	
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-	
0.5 – 3.0	SILTY CLAY TO CLAYEY SILT Trace sand Grey, moist	None	<5 ppm	TP104-1	1.0	
		None	75 ppm	TP104-2	2.0	BTEX, PHCs
3.0	Wet	None	50 ppm	TP104-3	3.0	
		None	<5 ppm	TP104-4	4.0	
4.0	END OF TEST PIT					

TP105 Date: 12-APR-2024

	Stratigraphy	Sample Data							
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments			
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-				
0.5 – 3.0	SILTY CLAY TO CLAYEY SILT Brown, moist	None	<5 ppm	TP105-1	1.0				
		None	<5 ppm	TP105-2	2.0				
2.5	Grey, trace sand	None	<5 ppm	TP105-3	2.5				
		None	<5 ppm	TP105-4	3.0	BTEX, PHCs			
3.0	END OF TEST PIT								

TP106 Date: 15-APR-2024

	Stratigraphy	Sample Data								
Depth (m)	Soil Description	Odours	CSV	I.D.	Depth (m)	Lab Analysis/ Comments				
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-					
0.5 – 5.0	SILTY CLAY TO CLAYEY SILT Trace sand Brown, moist	None	<5 ppm	TP106-1	1.0					
		None	<5 ppm	TP106-2	2.0					
		None	<5 ppm	TP106-3	3.0					
		None	<5 ppm	TP106-4	4.0					
		None	<5 ppm	TP106-5	5.0					
5.0	END OF TEST PIT									

TP107 Date: 15-APR-2024

	Stratigraphy	Sample Data								
Depth (m)	Soil Description	Odours	csv	I.D.	Depth (m)	Lab Analysis/ Comments				
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-					
0.5 - 5.0	SILTY CLAY TO CLAYEY SILT Grey, moist	None	<5 ppm	TP107-1	1.0					
		None	<5 ppm	TP107-2	2.0					
		None	25 ppm	TP107-3	3.0					
		None	<5 ppm	TP107-4	4.0					
		None	<5 ppm	TP107-5	5.0					
5.0	END OF TEST PIT									

TP108 Date: 15-APR-2024

	Stratigraphy	Sample Data								
Depth (m)	Soil Description Odour		csv	I.D.	Depth (m)	Lab Analysis/ Comments				
0.0 – 0.5	SAND AND GRAVEL (FILL) Brown, moist	-	-	-	-					
0.5 - 5.0	SILTY CLAY TO CLAYEY SILT Trace sand Brown, moist	None	<5 ppm	TP108-1	1.0					
		None	15 ppm	TP108-2	2.0	BTEX, PHCs				
		None	<5 ppm	TP108-3	3.0					
		None	<5 ppm	TP108-4	4.0					
		None	<5 ppm	TP108-5	5.0					
5.0	END OF TEST PIT									

TERRAPEX ENVIRONMENTAL LTD.

ATTACHMENT E LABORATORY CERTIFICATES OF ANALYSIS



5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin PROJECT: CO884.03

AGAT WORK ORDER: 24Z142310

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 24, 2024

PAGES (INCLUDING COVER): 7 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

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Page 1 of 7

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AGAT WORK ORDER: 24Z142310

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 15	3(511) - PHCs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-23					DATE REPORTED: 2024-04-24
	SA	AMPLE DESC	RIPTION:	CS129	
	SAMPLE TYP		E TYPE:	Soil	
		DATE SA	DATE SAMPLED: 2		
Parameter	Unit	G/S	RDL	5814724	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	<0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	<0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	
Moisture Content	%		0.1	28.9	
Surrogate	Unit	Acceptable	Limits		
Toluene-d8	% Recovery	60-14	0	81	<u> </u>
Terphenyl	%	60-14	0	91	

Certified By:





AGAT WORK ORDER: 24Z142310

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-23 DATE REPORTED: 2024-04-24

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5814724 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPoprukolof



5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

AGAT WORK ORDER: 24Z142310

Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

PROJECT: CO884.03 ATTENTION TO: Greg Sabourin SAMPLING SITE:5650 Manotick Main Street SAMPLED BY:E. Boonstra

SAMI LING SITE. 3030 Mario	GAINI LED BT.L. BOOHSIIA														
	Trace Organics Analysis														
RPT Date: Apr 24, 2024				UPLICAT	Έ		REFERE	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MAT	RIX SPI	KE
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	k Measured Value	Acceptable Limits		Recovery	1 1 1 1 1	ptable nits	Recovery	1 1 1 1 1	eptable mits
		lu lu						Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4	(Soil)														
Benzene	5809334		< 0.02	< 0.02	NA	< 0.02	100%	60%	140%	112%	60%	140%	90%	60%	140%
Toluene	5809334		< 0.05	< 0.05	NA	< 0.05	80%	60%	140%	99%	60%	140%	88%	60%	140%
Ethylbenzene	5809334		< 0.05	< 0.05	NA	< 0.05	88%	60%	140%	109%	60%	140%	88%	60%	140%
m & p-Xylene	5809334		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	98%	60%	140%	93%	60%	140%
o-Xylene	5809334		<0.05	<0.05	NA	< 0.05	108%	60%	140%	107%	60%	140%	96%	60%	140%
F1 (C6 to C10)	5809334		<5	<5	NA	< 5	103%	60%	140%	106%	60%	140%	93%	60%	140%
F2 (C10 to C16)	5807322		< 10	< 10	NA	< 10	106%	60%	140%	116%	60%	140%	121%	60%	140%
F3 (C16 to C34)	5807322		< 50	< 50	NA	< 50	104%	60%	140%	124%	60%	140%	115%	60%	140%
F4 (C34 to C50)	5807322		< 50	< 50	NA	< 50	66%	60%	140%	82%	60%	140%	106%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:





Time Markers

AGAT WORK ORDER: 24Z142310

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5814724CS129Soil23-APR-202423-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)	
Parameter	

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	24-APR-2024	24-APR-2024	VB
Toluene	24-APR-2024	24-APR-2024	VB
Ethylbenzene	24-APR-2024	24-APR-2024	VB
m & p-Xylene	24-APR-2024	24-APR-2024	VB
o-Xylene	24-APR-2024	24-APR-2024	VB
Xylenes (Total)	24-APR-2024	24-APR-2024	SYS
F1 (C6 to C10)	24-APR-2024	24-APR-2024	VB
F1 (C6 to C10) minus BTEX	24-APR-2024	24-APR-2024	SYS
Toluene-d8	24-APR-2024	24-APR-2024	VB
F2 (C10 to C16)	24-APR-2024	24-APR-2024	SS
F3 (C16 to C34)	24-APR-2024	24-APR-2024	SS
F4 (C34 to C50)	24-APR-2024	24-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	24-APR-2024	24-APR-2024	PD
Terphenyl	24-APR-2024	24-APR-2024	SS



5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis		•	
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

GGT Laboratories



5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2

J. U	La La	borat	ories	S	ave reedb Scan here t quick surv	for a Ph:	M 905.71	.2,510	00 Fa:	Ontario x: 905. rth,aga	712.	5122		-						12310	-
hain of C	ustody Record	If this is a	Drinking Water	sample, plea	se use Drini	king Water Chain of Custody Form (potabl	e water	consun	ned by	humans	;)			A	rrival	Quant Tempe Tempe	rature	5:		e10 3.9 13	.8
Report Inform Company:	nation: Terrapex				Reg	gulatory Requirements: a chack all applicable boxes)								C		ly Seal	Intact	:	□Yes	□No	□N/A
Contact: Address:	Greg Sabourin 1-20 Gurdwara Road Ottawa, ON K2E 8B3				- Ta	egulation 153/04 Regulation 406 Table Indicate One Ind/Com	_		wer Us Sanitar Regi	у 🗆	Storm	n	Turnaround Time (TAT) Required: Regular TAT 5 to 7 Business Days								
Phone: Reports to be sent to: 1. Email:	613-745-6471 g.sabourin@terrapex.com	Fax:				Res/Park		Ob	ov. Wa jective	ter Qua					sh 1	AT (Ru	sh Surci			bebu	Business
2. Email:					11 -	Coarse CCME		Oth		to One			-			Days OR Da	ate Re	L quired	□ Days	Day parges May Apply	
Project Inform Project: Site Location: Sampled By:	CO884.03 5650 Manotick Main Street E. Boonstra				0	of Site Condition (RSC)? Yes No	Cer		ate o	delin of Ana		ls				*TAT is	exclu	sive of	weekends a	ntion for rush TAT nd statutory holio	days
AGAT Quote #:	17116440659 - So 2024 Please note: If quotation number is n	116440659 - So 2024 PO: Please note: If quotation number is not provided, client will be billed full price for analysis.			Lega	Legal Sample □		C	Reg 1	.53					. Reg	_	0. R				(Y/N)
Invoice Inform Company: Contact: Address: Email:	Terrapex accounts.payable@terrapex.		ill To Same: Ye	s ☑ No □	Sam GW O P	Ground Water SD Sediment Oil SW Surface Water Paint R Rock/Shale Soil	Field Filtered - Metals, Hg, CrVI, DOC	& Inorganics	□ CrVI, □ Hg, □ HWSB	F1-F4 PHCs			PCBs; Arodors	tion 406 Characterization Package tals, BTEX, F1-F4		tion 406 SPLP Rainwater Leach	l isi	ICLF: LIMM LIVOUS LIABNE LIB(a)P LIPOBS Corrosivity: Moisture Sulphide	Brex-F		Potentially Hazardous or High Concentration (Y/N)
	e Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Y/N	Metals	Metals - [ا ت	200	PAHS	PCBs:/	Regulation pH, Metals,	EC, SAR	Regulation mSPLP:	Landfill	Corros	8		Potentia
. CS	132 129 Whamaj Blank	APITALLY	10:30 PM 10:40 PM 13:00 MM	2 2 7	\$ -	Reg TAT I-Don TAT Reg TAT Reg TAT	2222			X											
	4 7 2 3		AM PM AM PM AM PM			702 171				A											
			AM PM AM PM																		
O. 1. Inples Relinquished By (Print)	t Natio and Sign):		AM PM AM PM	†ime		Saphile Recorded By (Print Hame and Spril)						Date	O4I	1250	VIT	ma					
finales Relinaulined by (Print	Clame and Sign!		23 4 6 Out 25/2	24 2 14 75	120 100	Samples Received By (Print Name and Sign)					r	Date Date	1	29		14/ 8	50) A	Page_	of	-

Laboratory Use Only 24 Z142312



5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z142312

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: Apr 30, 2024

PAGES (INCLUDING COVER): 9 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>	

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
- · This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

AGAT Laboratories (V1)

Page 1 of 9

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Western Enviro-Agricultural Laboratory Association (WEALA) Environmental Services Association of Alberta (ESAA)



AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

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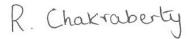
CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	ICs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-23						DATE REPORTED: 2024-04-30
	Si	AMPLE DESC	RIPTION:	CS132	CS144	
		SAMP	LE TYPE:	Soil	Soil	
		DATE S	AMPLED:	2024-04-23 10:30	2024-04-23 11:00	
Parameter	Unit	G/S	RDL	5814759	5814765	
Benzene	μg/g	0.4	0.02	<0.02	<0.02	
Toluene	μg/g	9	0.05	<0.05	<0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	<0.05	
m & p-Xylene	μg/g		0.05	<0.05	<0.05	
o-Xylene	μg/g		0.05	<0.05	<0.05	
Xylenes (Total)	μg/g	30	0.05	<0.05	<0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	
Moisture Content	%		0.1	32.6	21.7	
Surrogate	Unit	Acceptable	e Limits			
Toluene-d8	% Recovery	60-14	40	96	92	
Terphenyl	%	60-14	40	70	74	

Certified By:





AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY: E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-23 **DATE REPORTED: 2024-04-30**

Comments:

RDL - Reported Detection Limit: G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5814759-5814765 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraberty



AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

			(D. Reg. 153(51	1) - PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-23	3				DATE REPORTED: 2024-04-30
	SA	AMPLE DES	CRIPTION:	Methanol Blank	
		SAMI	PLE TYPE:	MeOH	
		DATES	SAMPLED:	2024-04-23 13:00	
Parameter	Unit	G/S	RDL	5814764	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptab	le Limits		
Toluene-d8	% Recovery	60-1	140	96	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5814764 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraberty



5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

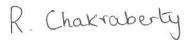
PROJECT: CO884.03

AGAT WORK ORDER: 24Z142312
ATTENTION TO: Greg Sabourin
SAMPLED BY:E. Boonstra

			Trac	e Or	gani	cs Ar	nalys	is							
RPT Date: Apr 30, 2024				UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	1 :	ptable nits	Recovery	1 :-	ptable nits
.,		ld	- 34		=			Lower	Upper		Lower	Upper	11000 701 7	Lower	Upper
O. Reg. 153(511) - PHCs F1 - F	4 (Soil)	•				•	•								
Benzene	5816966		< 0.02	< 0.02	NA	< 0.02	82%	60%	140%	89%	60%	140%	87%	60%	140%
Toluene	5816966		< 0.05	< 0.05	NA	< 0.05	93%	60%	140%	105%	60%	140%	105%	60%	140%
Ethylbenzene	5816966		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	88%	60%	140%	82%	60%	140%
m & p-Xylene	5816966		< 0.05	< 0.05	NA	< 0.05	98%	60%	140%	89%	60%	140%	84%	60%	140%
o-Xylene	5816966		<0.05	<0.05	NA	< 0.05	103%	60%	140%	88%	60%	140%	84%	60%	140%
F1 (C6 to C10)	5816966		<5	<5	NA	< 5	96%	60%	140%	96%	60%	140%	98%	60%	140%
F2 (C10 to C16)	5822848		< 10	< 10	NA	< 10	111%	60%	140%	87%	60%	140%	91%	60%	140%
F3 (C16 to C34)	5822848		< 50	< 50	NA	< 50	110%	60%	140%	112%	60%	140%	117%	60%	140%
F4 (C34 to C50)	5822848		< 50	< 50	NA	< 50	85%	60%	140%	78%	60%	140%	99%	60%	140%
O. Reg. 153(511) - PHCs F1/B1	EX (MeOH)														
Benzene	5816966		<0.02	< 0.02	NA	< 0.02	82%	60%	140%	89%	60%	140%	87%	60%	140%
Toluene	5816966		< 0.05	< 0.05	NA	< 0.05	93%	60%	140%	105%	60%	140%	105%	60%	140%
Ethylbenzene	5816966		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	88%	60%	140%	82%	60%	140%
m & p-Xylene	5816966		< 0.05	< 0.05	NA	< 0.05	98%	60%	140%	89%	60%	140%	84%	60%	140%
o-Xylene	5816966		<0.05	<0.05	NA	< 0.05	103%	60%	140%	88%	60%	140%	84%	60%	140%
F1 (C6 to C10)	5816966		<5	<5	NA	< 5	96%	60%	140%	96%	60%	140%	98%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:





CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z142312

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

-	IL. TERRAL EX ENVIRONMENTAL ENV				
Sample ID	Sample Description	Sample Type	Dat	te Sampled	Date Received
5814759	CS132	Soil	23	-APR-2024	23-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Benzene	26-APR-	-2024	26-APR-2024	VB
	Toluene	26-APR-	-2024	26-APR-2024	VB
	Ethylbenzene	26-APR-	-2024	26-APR-2024	
	m & p-Xylene	26-APR-	-2024	26-APR-2024	
	o-Xylene	26-APR-	-2024	26-APR-2024	VB
	Xylenes (Total)	26-APR-	-2024	26-APR-2024	SYS
	F1 (C6 to C10)	26-APR-		26-APR-2024	
	F1 (C6 to C10) minus BTEX	26-APR-		26-APR-2024	
	Toluene-d8	26-APR-		26-APR-2024	
	F2 (C10 to C16)	29-APR-		29-APR-2024	
	F3 (C16 to C34)	29-APR-		29-APR-2024	
	F4 (C34 to C50)	29-APR-		29-APR-2024	
	Gravimetric Heavy Hydrocarbons	2571111	2024	23 /11 11 2024	00
	Moisture Content	26-APR-	2024	26-APR-2024	PD
	Terphenyl	29-APR-		29-APR-2024	
	тегрпепуг	29-AFN-	-2024	29-AFR-2024	33
504.470.4	Mathemal Dioni	MaOU	00	A DD 0004	00 4 DD 0004
5814764	Methanol Blank	MeOH	23	-APR-2024	23-APR-2024
	O. Reg. 153(511) - PHCs F1/BTEX (MeOH)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Benzene	26-APR-	-2024	26-APR-2024	VB
	Toluene	26-APR-	-2024	26-APR-2024	VB
	Ethylbenzene	26-APR-	-2024	26-APR-2024	VB
	m & p-Xylene	26-APR-	-2024	26-APR-2024	VB
	o-Xylene	26-APR-		26-APR-2024	
	Xylenes (Total)	26-APR-		26-APR-2024	
	F1 (C6 to C10)	26-APR-		26-APR-2024	
	F1 (C6 to C10) minus BTEX	26-APR-		26-APR-2024	
	Toluene-d8	26-APR-		26-APR-2024	
	i oldorio-do	20-AFIN-	2027	20-A1 N-2024	VD
E91476F	CS144	Soil	22	A DD 2024	22 A DD 2024
5814765	03144	3011	23	-APR-2024	23-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyze	d Initials
	Benzene	26-APR-	-2024	26-APR-2024	VB
	Toluene	26-APR-	-2024	26-APR-2024	VB
	Ethylbenzene	26-APR-	-2024	26-APR-2024	VB
	m & p-Xylene	26-APR-		26-APR-2024	
	. 1 . 9				



Time Markers

AGAT WORK ORDER: 24Z142312

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5814765CS144Soil23-APR-202423-APR-2024

0	Rea	153(511)	- PHCs	F1 - F	4 (Soil)

O. Reg. 155(511) - PHOS F1 - F4 (5011)			
Parameter	Date Prepared	Date Analyzed	Initials
o-Xylene	26-APR-2024	26-APR-2024	VB
Xylenes (Total)	26-APR-2024	26-APR-2024	SYS
F1 (C6 to C10)	26-APR-2024	26-APR-2024	VB
F1 (C6 to C10) minus BTEX	26-APR-2024	26-APR-2024	SYS
Toluene-d8	26-APR-2024	26-APR-2024	VB
F2 (C10 to C16)	29-APR-2024	29-APR-2024	SS
F3 (C16 to C34)	29-APR-2024	29-APR-2024	SS
F4 (C34 to C50)	29-APR-2024	29-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	26-APR-2024	26-APR-2024	PD
Terphenyl	29-APR-2024	29-APR-2024	SS

5835 COOPERS AVENUE http://www.agatlabs.com

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z142312 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main	Street	SAMPLED BY:E. Boonstra					
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE				
Trace Organics Analysis			1				
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS				
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID				
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID				
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS				
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE				
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE				
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID				
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS				
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS				
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID				

GGGT Laboratories

Have feedback? Scan here for a



5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2 Ph: 905.712.5100 Fax: 905.712.5122 webearth.agatlabs.com

Cooler Quantity: Me - COSEICO **Chain of Custody Record** Arrival Temperatures: If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans) Depot Temperatures: 4. Report Information: **Regulatory Requirements:** Custody Seal Intact: □Yes Company: Terrapex (Please check all applicable hoves) banged-u Contact: Greg Sabourin Sewer Use Regulation 153/04 | Regulation 406 1-20 Gurdwara Road Sanitary Storm Address: Turnaround Time (TAT) Required: Table Indicate One Ottawa, ON K2E 8B3 Ind/Com Ind/Com Regular TAT 5 to 7 Business Days FiRes/Park Rush TAT (Rush Surcharges Apply) See habe □Res/Park 613-745-6471 Phone: Prov. Water Quality Agriculture ☐ Agriculture Reports to be sent to: Objectives (PWQO) Next Business Day g.sabourin@terrapex.com Soil Texture (check One) 1. Email: Days 2 Business 3 Business Regulation 558 Other Coarse ССМЕ 2. Email: Fine OR Date Required (Rush Surcharges May Apply): Indicato One Project Information: is this submission for a Record Report Guideline on of Site Condition (RSC)? Certificate of Analysis Please provide prior notification for rush TAT CO884.03 Project: *TAT is exclusive of weekends and statutory holidays Site Location: 5650 Manotick Main Street X No ☐ Yes ☑\ Yes □ No For 'Same Day' analysis, please contact your AGAT CSR Sampled By: E. Boonstra 0, Reg 153 17116440659 - So 2024 O. Reg 406 AGAT Quote #: CrVI, DOC PO: Concentration (Y/N) Legal Sample Please note: if quotation number is not provided, client will be billed full price for analysis. mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC Landfill Disposal Characterization TCLP: TCLP: ☐M&L ☐VOCs ☐ABNs ☐B(a)P ☐PCBs Regulation 406 SPLP Rainwater Leach Corrosivity:
Molsture
Sulphide Invoice Information: Bill To Same: Yes ☑ No □ Sample Matrix Legend Metals - □ CrVI, □ Hg, □ HWSB Terrapex Company: Ground Water SD Sediment Contact: Potentially Hazardous or High Oil SW Surface Water Address: Paint Rock/Shale BTEX, F1-F4 PHCs accounts.payable@terrapex.com Email: Soil BRE Date Time Comments/ Sample # of Sample Identification Sampled Containers Sampled Matrix Special Instructions 05132 10:30 PM 2 Red TAT 45129 2. 2 (C) CX PM TAT 1 - Day 3. unethound Blains 13:COM 2 _ Rea TAT C5144 11:00 Rea TAT 5. 6. AM PM 8. AM PM 10. 11.

Laboratory Use Only 242142312

Work Order #: 247142310



5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin PROJECT: CO884.03

AGAT WORK ORDER: 24Z142833

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 25, 2024

PAGES (INCLUDING COVER): 7 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>*Notes</u>	
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- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
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 be exempt, please contact your Client Project Manager for details.
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 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

Certificate of Analysis

AGAT WORK ORDER: 24Z142833

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

					-(-)
DATE RECEIVED: 2024-04-24 SAMPLE DESCRIPTION:					DATE REPORTED: 2024-04-25
				CS156	
SAMPLE TYPE:			E TYPE:	Soil	
		DATE SAMPLED:		2024-04-23 14:00	
Parameter	Unit	G/S	RDL	5817862	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	
Moisture Content	%		0.1	15.8	
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	60-140		78	<u> </u>
Terphenyl	%	60-14	0	96	

Certified By:





AGAT WORK ORDER: 24Z142833

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin
SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-24 DATE REPORTED: 2024-04-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5817862 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPopukolof



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z142833
ATTENTION TO: Greg Sabourin
SAMPLED BY:Eric Boonstra

			Trac	- Or																					
			mac	e Or	ganı	cs Ar	nalysi	S																	
RPT Date: Apr 25, 2024			С	UPLICAT	E		REFEREN	ICE MA	TERIAL	METHOD	BLANK	SPIKE	MATRIX SPIKE												
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured	Acceptable Limits		Recovery	Recovery	Recovery	Recovery	Recovery	Recovery	Recovery	Recovery	Recovery	Recovery	Recovery	منا ا	ptable nits	Recovery	1 1 1 1 1	ptable nits
		lu lu	·				Value	Lower	Upper	Lower		Upper	1	Lower	Upper										
D. Reg. 153(511) - PHCs F1 - F4 (Soil)																									
Benzene	5812087		< 0.02	< 0.02	NA	< 0.02	82%	60%	140%	109%	60%	140%	91%	60%	140%										
Toluene	5812087		< 0.05	< 0.05	NA	< 0.05	86%	60%	140%	84%	60%	140%	93%	60%	140%										
Ethylbenzene	5812087		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	110%	60%	140%	104%	60%	140%										
m & p-Xylene	5812087		< 0.05	< 0.05	NA	< 0.05	95%	60%	140%	99%	60%	140%	92%	60%	140%										
o-Xylene	5812087		<0.05	<0.05	NA	< 0.05	94%	60%	140%	104%	60%	140%	93%	60%	140%										
F1 (C6 to C10)	5812087		<5	<5	NA	< 5	94%	60%	140%	91%	60%	140%	93%	60%	140%										
F2 (C10 to C16)	5800315		< 10	< 10	NA	< 10	118%	60%	140%	103%	60%	140%	119%	60%	140%										
F3 (C16 to C34)	5800315		< 50	< 50	NA	< 50	114%	60%	140%	126%	60%	140%	125%	60%	140%										
F4 (C34 to C50)	5800315		< 50	< 50	NA	< 50	66%	60%	140%	112%	60%	140%	95%	60%	140%										

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).





AGAT WORK ORDER: 24Z142833

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5817862CS156Soil23-APR-202424-APR-2024

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	25-APR-2024	25-APR-2024	VB
Toluene	25-APR-2024	25-APR-2024	VB
Ethylbenzene	25-APR-2024	25-APR-2024	VB
m & p-Xylene	25-APR-2024	25-APR-2024	VB
o-Xylene	25-APR-2024	25-APR-2024	VB
Xylenes (Total)	25-APR-2024	25-APR-2024	SYS
F1 (C6 to C10)	25-APR-2024	25-APR-2024	VB
F1 (C6 to C10) minus BTEX	25-APR-2024	25-APR-2024	SYS
Toluene-d8	25-APR-2024	25-APR-2024	VB
F2 (C10 to C16)	24-APR-2024	24-APR-2024	SS
F3 (C16 to C34)	24-APR-2024	24-APR-2024	SS
F4 (C34 to C50)	24-APR-2024	24-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content			
Terphenyl	24-APR-2024	24-APR-2024	SS



Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z142833

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:Eric Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

(AGT Laboratories

Have feedback?

Scan here for a quick survey!



5835 Coppers Avenue Saliga Ontario L4Z 1Y2 Laboratory Use Only 242142834

Cooler Quantity: One - Descreto 100

Work Order #: 242142833

Report Inform	ation: Terrapex Envrionmental L	imited			Regi	ulatory Requirements: check all applicable boxes)							100	stody otes:	Seal Int	ect:	<u> </u>	/es]No	7	AN/A
Contact:	Greg Sabourin				TVAeg	gulation 153/04 Regulation 4	06 [[Sew		□ c+			-			F!	/TA	T) D		, de		
Address:	1-20 Gurdwara Road				Tab	Indicate One Table Indicate		Пэя	nitary	[] Stor	111				ound '	ııme	(IA	ii) Ri	equire	eu.		
	Ottawa, ON K2E 8R3						One		Region				Re	gulai	TAT			5 to 7	Busines	s Days		
Phone:	613-745-6471	Fax:				Res/Park Agriculture Regulation 5	558		. Water			1	Ru	sh TA	T (Rush 5	urcharge	s Apply)				
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com				Soil Te	exture (Check One) Codse	[Obje Othe	ctives (f er	·wwQO)					Busine:	SS		2 Busi Days	ness	\(\sigma^t\)	, Next Bus Day	siness
2, Email:						Fine	-	-	Indicate Oi	ie	_	-		C	R Date	Requir	ed (R	ush Su	ırcharge	s May A	Apply):	
	ation.				- Is	this submission for a	Re	port	Guide	lne c	n											
Project Information: Project: CO884.03			Rec	cord of Site Condition?	Cer	tifica	te of A	naly	sis		Please provide prior notification for rush TAT *TAT is exclusive of weekends and statutory holidays											
Project: Site Location:	5650 Manotick Main Stree	et				Yes □ No		Yes			10										GAT CP	
Sampled By:	Eric Boonstra						-1-1	0	Reg 153	1			Н	O. Reg		g 406			T	T		_
AGAT Quote #:	17116440659 - 2024 SO	PO:			Sam	ple Matrix Legend	8	H	1						_							n (Y/k
Invoice Infor	Please note: If quatation number is		Il To Same: Ye		= GW	Ground Water Oil	Field Filtered - Metals, Hg. CrVI, DOC		□HWSB					Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	nwater Leach	tion Package -4	Sulphide					Potentially Hazardous or High Concentration (Y/N)
Company:					P	Paint	etals		至					teriza 3Ns	alnwa s 🗆 s	Characterization (s, BTEX, F1-F4						igh O
Contact:					- SD	Soil Sediment	M - D	છ	핅					narac 	SPLP Rai	aract	sture	1	9/1			S or F
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Email:							Field	অ	0 3	1-1-1		11	nopor	Dispo	JMet	tion 40 MS M	vity:	3Texter				ally Haz
Sami	ole Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Y/N	Metals	Metals -	200	PAHs	PCBs	PCBs: Aradors	Landfill TCLP: [7]	Regulation 406 S SPLP: □ Metals [Regulation 406 Characte pH, ICPMS Metals, BTEX,	Corrosivity: Moisture					Potenti
1 (5)	56	APril 23	14:00 AN	2	801	1-Day TAT	~		>	0	100				-				-			-
	1067	AR:123	14:00 AM	2	Soil	REGITAT	-			c									- 1	190		
	16 7	APril 23	14:00 AM		Soil	RegTAT	-			(_
	101	APG123	14:50 AN	2	Soil	Reg. TAT	_			N												-
5. 54	103	PR:123	15:00 AN	2	50:1	Reg TAT	-			<												
	105	PR11 23	(5)5 AN		Soil	Rey TAT	-			×												
	and Blank	-	16:00 AN		-	Reg TAT	-		8									X				
8.	WIDI DIGIDE		AN PN	A																		4
9.			AN PN	1																		
10.			AN PN	4																		
11.			AN PN	4										1								
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GRES Reinquisted By U	Sobovin -		- AR:1 21/1	Ro24 Time	-7	Samuelan Hilloniyan By IPren Makes affer Stern		-			AD2	ate	70	T	051	10	10	_ Pa	ge /	of	1	
Personal Hammanage By (F	ting sends and solds)		ME 172	112119	Shin	Delle in					Fh	N	4		0 -	10	12	_ '0	P~ —			
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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z142836

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

DATE REPORTED: Apr 25, 2024

PAGES (INCLUDING COVER): 7 VERSION*: 1

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<u>^Notes</u>	

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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
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AGAT WORK ORDER: 24Z142836

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

			O. Reg. 153	(511) - PHCs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-24				DATE REPORTED: 2024-04-25
	SA	AMPLE DESCRIPTION:	CS191	
		SAMPLE TYPE:	Soil	
		DATE SAMPLED:	2024-04-24 14:00	
Parameter	Unit	G/S RDL	5817851	
Benzene	μg/g	0.02	<0.02	
Toluene	μg/g	0.05	<0.05	
Ethylbenzene	μg/g	0.05	<0.05	
m & p-Xylene	μg/g	0.05	<0.05	
o-Xylene	μg/g	0.05	<0.05	
Xylenes (Total)	μg/g	0.05	<0.05	
F1 (C6 to C10)	μg/g	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	5	<5	
F2 (C10 to C16)	μg/g	10	<10	
F3 (C16 to C34)	μg/g	50	<50	
F4 (C34 to C50)	μg/g	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	50	NA	
Moisture Content	%	0.1	31.0	
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	60-140	84	
Terphenyl	%	60-140	72	





AGAT WORK ORDER: 24Z142836

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-24 DATE REPORTED: 2024-04-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

5817851 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene. C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons > C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z142836
ATTENTION TO: Greg Sabourin
SAMPLED BY:Eric Boonstra

SAME ENTO CITE: 3000 Manotick Main Circle																		
			Trac	e Or	gani	cs Ar	nalys	is										
RPT Date: Apr 25, 2024				DUPLICAT	E		REFERE	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MATRIX SPIKE		IKE			
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value		Limita	Acceptable Limits	Limito	Limito	Recovery	1 1 1 1 1	ptable nits	Recovery	Lin	eptable mits
		lu					value	Lower	Upper		Lower	Upper		Lower	Upper			
O. Reg. 153(511) - PHCs F1 - F4 (Soil)																		
Benzene	5814558		< 0.02	< 0.02	NA	< 0.02	101%	60%	140%	88%	60%	140%	79%	60%	140%			
Toluene	5814558		< 0.05	< 0.05	NA	< 0.05	116%	60%	140%	106%	60%	140%	106%	60%	140%			
Ethylbenzene	5814558		< 0.05	< 0.05	NA	< 0.05	106%	60%	140%	97%	60%	140%	87%	60%	140%			
m & p-Xylene	5814558		< 0.05	< 0.05	NA	< 0.05	95%	60%	140%	98%	60%	140%	88%	60%	140%			
o-Xylene	5814558		<0.05	<0.05	NA	< 0.05	92%	60%	140%	100%	60%	140%	91%	60%	140%			
F1 (C6 to C10)	5814558		<5	<5	NA	< 5	95%	60%	140%	98%	60%	140%	90%	60%	140%			
F2 (C10 to C16)	5812041		< 10	< 10	NA	< 10	114%	60%	140%	76%	60%	140%	101%	60%	140%			
F3 (C16 to C34)	5812041		< 50	< 50	NA	< 50	116%	60%	140%	122%	60%	140%	118%	60%	140%			
F4 (C34 to C50)	5812041		< 50	< 50	NA	< 50	71%	60%	140%	92%	60%	140%	77%	60%	140%			

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Jinkal Jotal



AGAT WORK ORDER: 24Z142836

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5817851CS191Soil24-APR-202424-APR-2024

\circ	Rea	153/511) .	. PHCs F1	- F4 (Soil)

O. Neg. 133(311) - F1103 1 1 - 1 4 (3011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	25-APR-2024	25-APR-2024	VB
Toluene	25-APR-2024	25-APR-2024	VB
Ethylbenzene	25-APR-2024	25-APR-2024	VB
m & p-Xylene	25-APR-2024	25-APR-2024	VB
o-Xylene	25-APR-2024	25-APR-2024	VB
Xylenes (Total)	25-APR-2024	25-APR-2024	SYS
F1 (C6 to C10)	25-APR-2024	25-APR-2024	VB
F1 (C6 to C10) minus BTEX	25-APR-2024	25-APR-2024	SYS
Toluene-d8	25-APR-2024	25-APR-2024	VB
F2 (C10 to C16)	25-APR-2024	25-APR-2024	CA
F3 (C16 to C34)	25-APR-2024	25-APR-2024	CA
F4 (C34 to C50)	25-APR-2024	25-APR-2024	CA
Gravimetric Heavy Hydrocarbons			
Moisture Content	25-APR-2024	25-APR-2024	PD
Terphenyl	25-APR-2024	25-APR-2024	CA



Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z142836

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:Eric Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

AGAT Laboratories

Have feedback? Scan here for a quick survey!





Laboratory Use Only

Work Order #:	242	14283	36
Cooler Quantity:	w-10	086108	11.0
Arrival Temperatures:	113	1/1.61	1.9
Custody Seal Intact:	□Yes	□No	DN/A

Report Inform	a ation: Terrapex Envrionmental I	Limited			Reg	gulatory Requ	irements:												217/A			
Contact:	Greg Sabourin				. IM Re	egulation 153/04	Regulation 40	6	Sewer Use													
Address:	1-20 Gurdwara Road					able 2	Table		Sanitary Storm					Turnaround Time (TAT) Required:								
	Ottawa, ON K2E 8R3				D.	Ind/Com	Table	ne l		Regio	n	_			Regu	ar TAT		DO	5 to 7 B	lusiness	Days	
Phono:	Phone: 613-745-6471 Fax:]Res/Park]Agriculture	Regulation 55	8	Prov. Water Quality		-11	Rush TAT (Rush Surcharges Apply)												
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com				Soil T	[exture (Check One) [Coarse	ССМЕ		Obj	iectives ner	s (PW	'QO)				3 Busin Days	ess		2 Busin Days	ess	Nex Day	ext Business y
2. Email:]Fine	I)	_	Indicate	one One			-		OR Dat	e Requ	ired (R	ush Sur	charges I	May App	oly):
Project Inform	nation:				ls	s this submissi	on for a		eport													
Project:	CO884.03				Re	cord of Site Co	ndition?	Ce	rtifica	ate of	f An	alysi	S	-11						cation fo and stat		
Site Location:	5650 Manotick Main Stre	et			E	Yes [No] Yes	3		No)		For					ontact y		
Sampled By:	Eric Boonstra							-1	11 .	2		- 1"	_					iysis, p	nease c	ontact y	OUI AGA	TOPW
AGAT Quote #:	17116440659 - 2024 SO	PO:			San	nple Matrix Le	oend	8	-0	. Reg 1	53			- 1	0.		Reg 406	-		1.1		N N N
	Please note: If quartition number is	is not provided client will b	e billed full price for a	analysis	GW	Ground Water	Solia	CrVI, DOC							흨	F 5	Package	g				in i
Invoice Inform	nation:	Bi	II To Same: Ye	s 🗹 No 🗆		Oil		, Ä		88					57 12	3(a)PI	Pa II	Sulphide				Pentre
Company:					P	Paint		la si	1	□ Hg, □ HWSB	A.E.				rizatic	s s	izatic	S			- 10	Can Can
Contact:					s	Soil		ĭ ĕ	1	<i>g</i>	Mr.				acter	Rair	acter					j
Address:					SD	Sediment		B	lics	픕	S			4.	Char L		hare	oist				1
Email:	-				- sw	Surface Water		Field Filtered - Metals, Hg,	Inorganics	- CrvI, I	F1-F4 PHCs				Pues: Arodors L. Landfill Disposal Characterization TCLP:	TCLP. CIM&I CIVOCS CIABNS CIB(a)PCIP. Regulation 406 SPLP Rainwater Leach spi p. CIMArais CIVOCS CISVORS	Regulation 406 Characterization	Corrosivity: Moisture				Hazardo
		Date	Time	# of	Sample	Con	nments/	1	Metals &	Metals - [X, F1		<u>ဗ</u>	SS .	PUBS: Arodiors Landfill Disposi	ulatio	ulatio	rosivit		1.1		in i
Sampl	e Identification	Sampled	Sampled	Containers	Matrix		Instructions	Y/N	Σ	ĕ ≅	втех,	00 00 00 00 00 00 00 00 00 00 00 00 00	PAHS	PCBs	<u> </u>	2 8 g	9 F 1	8				Pot
1. (5)	91	Pril 24-24	AN PN		Soil	1-Day	TAT	-			X											
2.			AM PM												4							
3.			AM PM																			
4.			AM PM																			
5.			AM PM																			
6.			AM												- 1			10.7				
7.			AM					-										100				
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Amples Relinguished By (Pri	nt Name and Sign)		04/24	24 18	hab	Sample Received By	Print Name and Signi.					V	Dutie	12	5-1	Time	64	Nº-	Page	-	of	

Document ID: DIV 78 1511 022

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Date Issued Mar 30, 2023



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z140682

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 25, 2024

PAGES (INCLUDING COVER): 10 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
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- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	lCs F1 - F4	(Soil)	
DATE RECEIVED: 2024-04-18								DATE REPORTED: 2024-04-25
	S	SAMPLE DES	CRIPTION:	CS104	CS1004	CS113	CS125	
		SAM	PLE TYPE:	Soil	Soil	Soil	Soil	
		DATE	SAMPLED:	2024-04-18 09:30	2024-04-18 09:30	2024-04-18 10:00	2024-04-18 10:20	
Parameter	Unit	G/S	RDL	5806207	5806208	5806209	5806210	
Benzene	μg/g	0.4	0.02	<0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	9	0.05	<0.05	< 0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	< 0.05	< 0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	<0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	< 0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	<10	<10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	<50	<50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	NA	NA	
Moisture Content	%		0.1	25.8	26.6	9.7	23.6	
Surrogate	Unit	Acceptab	le Limits					
Toluene-d8	% Recovery	60-	140	102	96	112	105	
Terphenyl	%	60-	140	82	86	83	79	





AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-18 DATE REPORTED: 2024-04-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5806207-5806210 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPopukolof



AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

			(O. Reg. 153(5	11) - PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-18	3				DATE REPORTED: 2024-04-25
	SA	AMPLE DESC	CRIPTION:	Methanol Blank	
		SAMF	PLE TYPE:	MeOH	
		DATE S	SAMPLED:	2024-04-18 10:30	
Parameter	Unit	G/S	RDL	5806212	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptabl	le Limits		
Toluene-d8	% Recovery	60-1	40	107	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5806212 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPoprikolof



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

SAMPLING SITE. 3030 Marioti	11001	SAMPLED BY.E. BOOMStra													
	Trace Organics Analysis														
RPT Date: Apr 25, 2024			С	UPLICAT	E		REFERENCE MATERIAL		METHOD BLANK SPIKE			MATRIX SPIK		KE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Blank Measured Value	Acceptable Limits		Recovery	Lin	ptable nits	Recovery	Acceptable Limits	
		Id	.	.				Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (Soil)														
Benzene	5809651		< 0.02	< 0.02	NA	< 0.02	108%	60%	140%	103%	60%	140%	102%	60%	140%
Toluene	5809651		< 0.05	< 0.05	NA	< 0.05	103%	60%	140%	109%	60%	140%	106%	60%	140%
Ethylbenzene	5809651		< 0.05	< 0.05	NA	< 0.05	102%	60%	140%	88%	60%	140%	108%	60%	140%
m & p-Xylene	5809651		< 0.05	< 0.05	NA	< 0.05	110%	60%	140%	105%	60%	140%	109%	60%	140%
o-Xylene	5809651		<0.05	<0.05	NA	< 0.05	98%	60%	140%	105%	60%	140%	102%	60%	140%
F1 (C6 to C10)	5809651		<5	<5	NA	< 5	95%	60%	140%	107%	60%	140%	89%	60%	140%
F2 (C10 to C16)	5809304		<10	<10	NA	< 10	98%	60%	140%	104%	60%	140%	99%	60%	140%
F3 (C16 to C34)	5809304		77	95	NA	< 50	103%	60%	140%	108%	60%	140%	111%	60%	140%
F4 (C34 to C50)	5809304		55	74	NA	< 50	93%	60%	140%	100%	60%	140%	102%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).



AGAT WORK ORDER: 24Z140682

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

5835 COOPERS AVENUE

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5806207CS104Soil18-APR-202418-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	23-APR-2024	23-APR-2024	VB
Toluene	23-APR-2024	23-APR-2024	VB
Ethylbenzene	23-APR-2024	23-APR-2024	VB
m & p-Xylene	23-APR-2024	23-APR-2024	VB
o-Xylene	23-APR-2024	23-APR-2024	VB
Xylenes (Total)	23-APR-2024	23-APR-2024	SYS
F1 (C6 to C10)	23-APR-2024	23-APR-2024	VB
F1 (C6 to C10) minus BTEX	23-APR-2024	23-APR-2024	SYS
Toluene-d8	23-APR-2024	23-APR-2024	VB
F2 (C10 to C16)	24-APR-2024	24-APR-2024	CA
F3 (C16 to C34)	24-APR-2024	24-APR-2024	CA
F4 (C34 to C50)	24-APR-2024	24-APR-2024	CA
Gravimetric Heavy Hydrocarbons			
Moisture Content	23-APR-2024	23-APR-2024	PD
Terphenyl	24-APR-2024	24-APR-2024	CA

5806208 CS1004 Soil 18-APR-2024 18-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	23-APR-2024	23-APR-2024	VB
Toluene	23-APR-2024	23-APR-2024	VB
Ethylbenzene	23-APR-2024	23-APR-2024	VB
m & p-Xylene	23-APR-2024	23-APR-2024	VB
o-Xylene	23-APR-2024	23-APR-2024	VB
Xylenes (Total)	23-APR-2024	23-APR-2024	SYS
F1 (C6 to C10)	23-APR-2024	23-APR-2024	VB
F1 (C6 to C10) minus BTEX	23-APR-2024	23-APR-2024	SYS
Toluene-d8	23-APR-2024	23-APR-2024	VB
F2 (C10 to C16)	24-APR-2024	24-APR-2024	CA
F3 (C16 to C34)	24-APR-2024	24-APR-2024	CA
F4 (C34 to C50)	24-APR-2024	24-APR-2024	CA
Gravimetric Heavy Hydrocarbons			
Moisture Content	23-APR-2024	23-APR-2024	PD
Terphenyl	24-APR-2024	24-APR-2024	CA

Soil

5806209

CS113

18-APR-2024

18-APR-2024

AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5806209	CS113	Soil	18-APR-2024	18-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
	Parameter	Date Prepare	ed Date Analyze	d Initials
	Benzene	23-APR-202		
	Toluene	23-APR-202		
	Ethylbenzene	23-APR-202		
	m & p-Xylene	23-APR-202		
	o-Xylene	23-APR-202		
	Xylenes (Total)	23-APR-202		
	F1 (C6 to C10)	23-APR-202		
	F1 (C6 to C10) minus BTEX	23-APR-202		
	Toluene-d8	23-APR-202		
	F2 (C10 to C16)	24-APR-202		
	F3 (C16 to C34)	24-APR-202		
	F4 (C34 to C50)	24-APR-202		
	Gravimetric Heavy Hydrocarbons	2171111202	21711112021	0,.
	Moisture Content	23-APR-202	4 23-APR-2024	. PD
	Terphenyl	24-APR-202		
5806210	CS125	Soil	18-APR-2024	18-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
	Parameter	Date Prepare	ed Date Analyze	d Initials
	Benzene	23-APR-202	4 23-APR-2024	. VB
	Toluene	23-APR-202	4 23-APR-2024	VB
	Ethylbenzene	23-APR-202	4 23-APR-2024	. VB
	m & p-Xylene	23-APR-202	4 23-APR-2024	VB
	o-Xylene	23-APR-202	4 23-APR-2024	. VB
	Xylenes (Total)	23-APR-202	4 23-APR-2024	SYS
	F1 (C6 to C10)	23-APR-202	4 23-APR-2024	. VB
	F1 (C6 to C10) minus BTEX	23-APR-202	4 23-APR-2024	SYS
	Toluene-d8	23-APR-202	4 23-APR-2024	. VB
	F2 (C10 to C16)	24-APR-202	4 24-APR-2024	
	F3 (C16 to C34)	24-APR-202	4 24-APR-2024	
	F4 (C34 to C50)	24-APR-202		
	Gravimetric Heavy Hydrocarbons			
	Moisture Content	23-APR-202	4 23-APR-2024	PD
	Terphenyl	24-APR-202		

MeOH

Methanol Blank

5806212

18-APR-2024

18-APR-2024



AGAT WORK ORDER: 24Z140682

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID Sample Description Sample Type Date Sampled Date Received
5806212 Methanol Blank MeOH 18-APR-2024 18-APR-2024

5: rtog: 100(6:1) 1:100 1 1/2/12/1 (III.0011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	23-APR-2024	23-APR-2024	VB
Toluene	23-APR-2024	23-APR-2024	VB
Ethylbenzene	23-APR-2024	23-APR-2024	VB
m & p-Xylene	23-APR-2024	23-APR-2024	VB
o-Xylene	23-APR-2024	23-APR-2024	VB
Xylenes (Total)	23-APR-2024	23-APR-2024	SYS
F1 (C6 to C10)	23-APR-2024	23-APR-2024	VB
F1 (C6 to C10) minus BTEX	23-APR-2024	23-APR-2024	SYS
Toluene-d8	23-APR-2024	23-APR-2024	VB

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z140682

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

			1
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID

AGAT Laboratories

Have feedback? Scan here for a quick survey!



5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2

Laboratory Use Only 2012-4101-97

Ph: 905.712.5100 Fax: 905.712,5122	Work Order #: 24 7 19 00 000					
webearth.agatlabs.com	Cooler Quantity: CM2 - 1005 Ci CQ.					
table water consumed by humans)	Arrival Temperatures: 3 · 1 3 · 0 2 · 9					

Chain of C	ustody Record	If this is a	Drinking Water	sample, plea	se use Drin	king Water Chain o	f Custody Form (pota	ble water	consum	ned by h	umans						ratures: atures:		3	3.0) 12	- 9
Report Inform	nation: Terrapex					gulatory Requ								C				-	JYes -		No	DN/A
Contact:	Greg Sabourin 1-20 Gurdwara Road				R	egulation 153/04	Regulation 40		☐ Se	wer Us Sanitary		Storm		-	_	oun				quired	1:	
4	Ottawa, ON K2E 8B3					Indicate One Ind/Com Bos/Park	Table — Indicate One ☐ Ind/Com ☐ Res/Park		-	Regio	n	-				r TAT				Business I		
Phone: Reports to be sent to: 1. Email:	613-745-6471 g.sabourin@terrapex.com	Fax:			Soil T	Agriculture exture (Check One) Coarse	Agriculture Regulation 55		Pro Obj	ective				Ru	_ 3	AT (Rusi 3 Busir Days	h Surcharg	ges App	(y) 2 Busin Days	ess	□ Next	t Business
2. Email: Project Inforn Project: Site Location:	CO884.03 5650 Manotick Main Street				Is th	is submission for the Condition of Site Condition of Yes	for a Record		eport rtifica	ate o	eline F Ana		=		*7	Plea TAT is e	ase prov	vide p	rior notifi reekends	charges h	r rush TA cutory hol	T lidays
Sampled By: AGAT Quote #:	E. Boonstra 17116440659 - So 2024	PO:				al Sample □				. Reg 1	53	T	T	1	Reg 4	_	O. Reg	lysis,	please c	ontact y	our AGAI	
Invoice Inform Company: Contact: Address: Email:	Terrapex accounts.payable@terrapex	Ві	II To Same: Ye			nple Matrix L Ground Water S Oil S Paint R Soil	egend D Sediment W Surface Water	Field Filtered - Metals, Hg, CrVI, DOC	als & Inorganics	als - □ CrVI, □ Hg, □ HWSB	BTEX, F1-F4 PHCs		PCBs: Aroclors □	Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4		Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	fill Disposal Characterization TCLP: □ M&I □ VOCS □ ABNS □ B(3)P □ PCBS	Corrosivity: ☐ Moisture ☐ Sulphide	BIEX FI			Potentially Hazardous or High Concentration (Y/N)
	le Identification	Sampled	Sampled	Containers	Matrix		nstructions	Y/N	Metals	Metals	BTE	VOC PAHs	PCB	Regu pH, N	EC, SAR	Regulati mSPLP:	Landfill I	Corre				Poten
2. <u>CS</u> 3. <u>CS</u> 4. <u>CS</u>	1004	Aprinja	9:30 AN 9:30 AN 10:00 AN	222	s 5 5			2222			メメメ											
5. metc	and Blank	1 A	I & : 3 CAM AM PM					~											X			
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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin PROJECT: CO884.03

AGAT WORK ORDER: 24Z142834

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

DATE REPORTED: May 01, 2024

PAGES (INCLUDING COVER): 11 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>		

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

AGAT Laboratories (V1)

Page 1 of 11

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AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

				O. Reg. 1	53(511) - PH	ICs F1 - F4	(Soil)		
DATE RECEIVED: 2024-04-24									DATE REPORTED: 2024-05-01
	S	AMPLE DES	CRIPTION:	CS1067	CS167	SP101	SP103	SP105	
		SAMI	PLE TYPE:	Soil	Soil	Soil	Soil	Soil	
		DATES	SAMPLED:	2024-04-23 14:00	2024-04-23 14:00	2024-04-23 14:50	2024-04-23 15:00	2024-04-23 15:15	
Parameter	Unit	G/S	RDL	5818497	5818498	5818499	5818500	5818501	
Benzene	μg/g	0.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	9	0.05	0.28	< 0.05	< 0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	8.71	1.14	< 0.05	< 0.05	< 0.05	
m & p-Xylene	μg/g		0.05	26.2	3.60	< 0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	1.43	0.20	< 0.05	< 0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	27.6	3.80	< 0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	641	248	<5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	604	243	<5	<5	<5	
F2 (C10 to C16)	μg/g	250	10	60	47	<10	<10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	<50	<50	<50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	<50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	NA	NA	NA	
Moisture Content	%		0.1	23.4	20.8	18.6	18.1	19.0	
Surrogate	Unit	Acceptab	le Limits						
Toluene-d8	% Recovery	60-1	140	117	115	122	116	107	
Terphenyl	%	60-1	140	87	93	77	80	78	





AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:Eric Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-24 DATE REPORTED: 2024-05-01

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5818497-5818501 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Jinkal Jata



AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY: Eric Boonstra

			(D. Reg. 153(5	11) - PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-24	ļ				DATE REPORTED: 2024-05-01
	SA	AMPLE DES	CRIPTION:	Methanol Blank	
		SAMI	PLE TYPE:	MeOH	
		DATES	SAMPLED:	2024-04-23 16:00	
Parameter	Unit	G/S	RDL	5818503	
Benzene	μg/g	0.4	0.02	<0.02	
Toluene	μg/g	9	0.05	<0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	
m & p-Xylene	μg/g		0.05	<0.05	
o-Xylene	μg/g		0.05	<0.05	
Xylenes (Total)	μg/g	30	0.05	<0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptab	le Limits		
Toluene-d8	% Recovery	60-1	40	104	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5818503 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)



Exceedance Summary

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

ATTENTION TO: Greg Sabourin

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5818497	CS1067	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Ethylbenzene	μg/g	1.6	8.71
5818497	CS1067	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10)	μg/g	65	641
5818497	CS1067	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10) minus BTEX	μg/g	65	604
5818498	CS167	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10)	μg/g	65	248
5818498	CS167	ON T2 S ICC MFT	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F1 (C6 to C10) minus BTEX	μg/g	65	243



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z142834
ATTENTION TO: Greg Sabourin
SAMPLED BY:Eric Boonstra

			Trac	e Or	ganio	s Ar	nalys	is							
RPT Date: May 01, 2024			DUPLICATE				REFERE	NCE MATERIAL		METHOD BLANK SPIKE			MAT	RIX SPI	KE
PARAMETER	Batch	Sample	Dup #1	Dup #2	RPD	Method Blank	Measured		ptable nits	Recovery	1 :	ptable nits	Recovery		ptable nits
		ld					Value	Lower	Upper	,	Lower	Upper	,	Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4	1 (Soil)	•						•			•				
Benzene	5818497 5	818497	< 0.02	< 0.02	NA	< 0.02	90%	60%	140%	95%	60%	140%	71%	60%	140%
Toluene	5818497 5	818497	0.28	0.34	19.4%	< 0.05	100%	60%	140%	109%	60%	140%	111%	60%	140%
Ethylbenzene	5818497 5	818497	8.71	9.72	11.0%	< 0.05	88%	60%	140%	84%	60%	140%	78%	60%	140%
m & p-Xylene	5818497 5	818497	26.2	28.9	9.8%	< 0.05	89%	60%	140%	85%	60%	140%	96%	60%	140%
o-Xylene	5818497 5	818497	1.43	1.59	10.6%	< 0.05	90%	60%	140%	87%	60%	140%	99%	60%	140%
F1 (C6 to C10)	5818497 5	818497	641	701	8.9%	< 5	100%	60%	140%	92%	60%	140%	89%	60%	140%
F2 (C10 to C16)	5823469		<10	<10	NA	< 10	110%	60%	140%	96%	60%	140%	103%	60%	140%
F3 (C16 to C34)	5823469		<50	<50	NA	< 50	114%	60%	140%	110%	60%	140%	118%	60%	140%
F4 (C34 to C50)	5823469		<50	<50	NA	< 50	91%	60%	140%	96%	60%	140%	92%	60%	140%
O. Reg. 153(511) - PHCs F1 - F4	4 (Soil)														
Benzene	5818498 5	818498	< 0.02	< 0.02	NA	< 0.02	90%	60%	140%	95%	60%	140%	71%	60%	140%
Toluene	5818498 5	818498	< 0.05	< 0.05	NA	< 0.05	100%	60%	140%	109%	60%	140%	111%	60%	140%
Ethylbenzene	5818498 5	818498	1.14	1.06	7.3%	< 0.05	88%	60%	140%	84%	60%	140%	78%	60%	140%
m & p-Xylene	5818498 5	818498	3.60	3.43	4.8%	< 0.05	89%	60%	140%	85%	60%	140%	96%	60%	140%
o-Xylene	5818498 5	818498	0.20	0.18	NA	< 0.05	90%	60%	140%	87%	60%	140%	99%	60%	140%
F1 (C6 to C10)	5818498 5	818498	248	297	18.0%	< 5	100%	60%	140%	92%	60%	140%	89%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Jinkal Jata

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5818497	CS1067	Soil	23-A	PR-2024	24-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	d Initials
	Benzene	26-APR-	-2024	26-APR-2024	VB
	Toluene	26-APR-		26-APR-2024	
	Ethylbenzene	26-APR-	-2024	26-APR-2024	VB
	m & p-Xylene	26-APR-	-2024	26-APR-2024	
	o-Xylene	26-APR-	-2024	26-APR-2024	VB
	Xylenes (Total)	26-APR-	-2024	26-APR-2024	SYS
	F1 (C6 to C10)	26-APR-	-2024	26-APR-2024	VB
	F1 (C6 to C10) minus BTEX	26-APR-	-2024	26-APR-2024	SYS
	Toluene-d8	26-APR-		26-APR-2024	
	F2 (C10 to C16)	01-MAY	-2024	01-MAY-2024	CA
	F3 (C16 to C34)	01-MAY	-2024	01-MAY-2024	CA
	F4 (C34 to C50)	01-MAY	-2024	01-MAY-2024	CA
	Gravimetric Heavy Hydrocarbons				
		29-APR-	2024	29-APR-2024	PD
	Moisture Content	Z3-/\li\-	-2024	23-71 11-202 4	
	Terphenyl	01-MAY		01-MAY-2024	
5818498			-2024		
5818498	Terphenyl	01-MAY	-2024	01-MAY-2024	CA
5818498	Terphenyl	01-MAY	-2024	01-MAY-2024	CA
5818498	Terphenyl CS167	01-MAY	-2024 23-A	01-MAY-2024	CA 24-APR-2024
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil)	01-MAY Soil	-2024 23-A pared	01-MAY-2024 PR-2024	CA 24-APR-2024 d Initials
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	01-MAY Soil Date Pre	23-A 23-A pared -2024	01-MAY-2024 PR-2024 Date Analyzee	CA 24-APR-2024 Initials VB
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	O1-MAY Soil Date Pre 26-APR-	23-A pared -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024	CA 24-APR-2024 Initials VB VB
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	O1-MAY Soil Date Pre 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024 26-APR-2024	CA 24-APR-2024 Initials VB VB VB VB
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024	01-MAY-2024 PR-2024 Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB SYS
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	O1-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	01-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB SYS VB SYS
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	01-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	01-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5818498	Terphenyl CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	01-MAY Soil Date Pre 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR- 26-APR-	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34)	01-MAY Soil Date Pre 26-APR- 01-MAY	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 01-MAY-2024 01-MAY-2024	24-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50)	01-MAY Soil Date Pre 26-APR- 01-MAY	23-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 01-MAY-2024 01-MAY-2024	Z4-APR-2024 d Initials VB VB VB VB VB VB VB SYS VB SYS VB CA CA CA
5818498	CS167 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50) Gravimetric Heavy Hydrocarbons	01-MAY Soil Date Pre 26-APR- 01-MAY 01-MAY	23-A pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 26-APR-2024 01-MAY-2024 01-MAY-2024	24-APR-2024 d Initials VB VB VB VB VB SYS VB SYS VB CA CA PD

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAN	IE: TERRAPEX ENVIRONMENTAL LIM	ITED				ATTENTION TO
Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received	
5818499	SP101	Soil	23-	APR-2024	24-APR-2024	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Date Pre	epared	Date Analyzed	d Initials	
	Benzene	26-APR	-2024	26-APR-2024	VB	
	Toluene	26-APR	-2024	26-APR-2024	VB	
	Ethylbenzene	26-APR	-2024	26-APR-2024	VB	
	m & p-Xylene	26-APR	-2024	26-APR-2024	VB	
	o-Xylene	26-APR	-2024	26-APR-2024	VB	
	Xylenes (Total)	26-APR	-2024	26-APR-2024	SYS	
	F1 (C6 to C10)	26-APR	-2024	26-APR-2024	VB	
	F1 (C6 to C10) minus BTEX	26-APR	-2024	26-APR-2024	SYS	
	Toluene-d8	26-APR	-2024	26-APR-2024	VB	
	F2 (C10 to C16)	01-MAY	′-2024	01-MAY-2024	CA	
	F3 (C16 to C34)	01-MAY	′-2024	01-MAY-2024	CA	
	F4 (C34 to C50)	01-MAY	′-2024	01-MAY-2024	CA	
	Gravimetric Heavy Hydrocarbons					
	Moisture Content	29-APR	-2024	29-APR-2024	PD	
	Terphenyl	01-MAY	′-2024	01-MAY-2024	CA	
5818500	SP103	Soil	23-	APR-2024	24-APR-2024	
	0.0 450(544) 010 54 54(0.1)					
	O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Date Pre	pared	Date Analyzed	d Initials	
	Benzene	26-APR	•	26-APR-2024		
	Toluene	26-APR		26-APR-2024		
	Ethylbenzene	26-APR 26-APR		26-APR-2024 26-APR-2024		
	•	26-APR 26-APR		26-APR-2024 26-APR-2024		
	m & p-Xylene o-Xylene	26-APR 26-APR		26-APR-2024 26-APR-2024		
	Xylenes (Total)	26-APR		26-APR-2024 26-APR-2024		
	F1 (C6 to C10)	26-APR		26-APR-2024 26-APR-2024		
	F1 (C6 to C10) F1 (C6 to C10) minus BTEX	26-APR		26-APR-2024 26-APR-2024		
	Toluene-d8	26-APR		26-APR-2024		
	F2 (C10 to C16)	01-MAY		01-MAY-2024		
	F3 (C16 to C34)	01-MAY		01-MAY-2024		
	F4 (C34 to C50)	01-MAY		01-MAY-2024		
	Gravimetric Heavy Hydrocarbons	U I-IVIA I	2024	0 1-1VIA 1-2024		
	Moisture Content	29-APR	-2024	29-APR-2024	PD	
	Terphenyl	01-MAY		01-MAY-2024		
5818501	SP105	Soil	23-	APR-2024	24-APR-2024	

AGAT WORK ORDER: 24Z142834

PROJECT: CO884.03

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5835 COOPERS AVENUE

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5818501	SP105	Soil	23-APR-2024	24-APR-2024

O.	Rea.	153(511)	- PHCs	F1 - F4	(Soil)
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O. Reg. 133(311) - 11103 1 1 - 1 + (3011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	26-APR-2024	26-APR-2024	VB
Toluene	26-APR-2024	26-APR-2024	VB
Ethylbenzene	26-APR-2024	26-APR-2024	VB
m & p-Xylene	26-APR-2024	26-APR-2024	VB
o-Xylene	26-APR-2024	26-APR-2024	VB
Xylenes (Total)	26-APR-2024	26-APR-2024	SYS
F1 (C6 to C10)	26-APR-2024	26-APR-2024	VB
F1 (C6 to C10) minus BTEX	26-APR-2024	26-APR-2024	SYS
Toluene-d8	26-APR-2024	26-APR-2024	VB
F2 (C10 to C16)	01-MAY-2024	01-MAY-2024	CA
F3 (C16 to C34)	01-MAY-2024	01-MAY-2024	CA
F4 (C34 to C50)	01-MAY-2024	01-MAY-2024	CA
Gravimetric Heavy Hydrocarbons			
Moisture Content	29-APR-2024	29-APR-2024	PD
Terphenyl	01-MAY-2024	01-MAY-2024	CA

5818503 Methanol Blank MeOH 23-APR-2024 24-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	26-APR-2024	26-APR-2024	VB
Toluene	26-APR-2024	26-APR-2024	VB
Ethylbenzene	26-APR-2024	26-APR-2024	VB
m & p-Xylene	26-APR-2024	26-APR-2024	VB
o-Xylene	26-APR-2024	26-APR-2024	VB
Xylenes (Total)	26-APR-2024	26-APR-2024	SYS
F1 (C6 to C10)	26-APR-2024	26-APR-2024	VB
F1 (C6 to C10) minus BTEX	26-APR-2024	26-APR-2024	SYS
Toluene-d8	26-APR-2024	26-APR-2024	VB

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SAMPLED BY: Eric Boonstra

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z142834 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

Toluene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Ethylbenzene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS o-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS o-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Xylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Yylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS F1 (C6 to C10) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/FID F1 (C6 to C10) minus BTEX VOL-91-5009 modified from CCME Tier 1 Method PXT GC/FID F1 (C6 to C10) minus BTEX VOL-91-5009 modified from CCME Tier 1 Method GC/FID F2 (C10 to C16) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F3 (C16 to C34) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F4 (C34 to C50) VOL-91-5009 modified from CCME Tier 1 Method GC/FID Gravimetric Heavy Hydrocarbons VOL-91-5009 modified from CCME Tier 1 Method GC/FID <th>OAWI LING OTTE.3030 Wallottek Wall</th> <th></th> <th colspan="8">CAWI LED DT. Life Booksta</th>	OAWI LING OTTE.3030 Wallottek Wall		CAWI LED DT. Life Booksta							
Benzene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Toluene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Ethylbenzene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS m & p-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS o-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Xylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS F1 (C6 to C10) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS F1 (C6 to C10) minus BTEX VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS F2 (C10 to C16) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F3 (C16 to C34) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F4 (C34 to C50) VOL-91-5009 modified from CCME Tier 1 Method GC/FID Gravimetric Heavy Hydrocarbons VOL-91-5009 modified from CCME Tier 1 Method GC/FID Moisture Content VOL-91-5009 modified from CCME Tier 1 Method BALANCE	PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE						
Toluene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Ethylbenzene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS or-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS or-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Xylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Xylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS Yolenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/FID F1 (C6 to C10) VOL-91-5009 modified from CCME Tier 1 Method PXT GC/FID F1 (C6 to C10) minus BTEX VOL-91-5009 modified from CCME Tier 1 Method GC/FID F2 (C10 to C16) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F3 (C16 to C34) VOL-91-5009 modified from CCME Tier 1 Method GC/FID F4 (C34 to C50) VOL-91-5009 modified from CCME Tier 1 Method GC/FID Gravimetric Heavy Hydrocarbons VOL-91-5009 modified from CCME Tier 1 Method GC/FID <	Trace Organics Analysis									
Ethylbenzene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS (P&T)GC/MS o-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS (P&T)GC/MS o-Xylene VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS (P&T)GC/MS Xylenes (Total) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS (P&T)GC/MS F1 (C6 to C10) VOL-91-5009 modified from CCME Tier 1 Method (P&T)GC/MS P&T)GC/FID F1 (C6 to C10) minus BTEX VOL-91-5009 modified from CCME Tier 1 Method P&T GC/FID P&T)GC/MS F2 (C10 to C16) VOL-91-5009 modified from CCME Tier 1 Method GC/FID GC/FID F3 (C16 to C34) VOL-91-5009 modified from CCME Tier 1 Method GC/FID GC/FID F4 (C34 to C50) VOL-91-5009 modified from CCME Tier 1 Method GC/FID BALANCE Moisture Content VOL-91-5009 modified from CCME Tier 1 Method GC/FID BALANCE Terphenyl VOL-91-5009 modified from CCME Tier 1 Method GC/FID BALANCE Benzene VOL-91-5009 modified from CCME Tier 1 Method GC/FID GC/FID Benzene VOL-91-5009	Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
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F1 (C6 to C10) minus BTEX	Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS						
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## Ethylbenzene	Benzene	VOL-91-5009		(P&T)GC/MS						
## 260D ## 260	Toluene	VOL-91-5009		(P&T)GC/MS						
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o-xylene	m & p-Xylene	VOL-91-5009		(P&T)GC/MS						
xylenes (10tal) VOL-91-5009 8260D (P&1)GC/MS	o-Xylene	VOL-91-5009		(P&T)GC/MS						
F1 (C6 to C10) minus BTEX VOL-91-5009 CCME Tier 1 Method P&T GC/FID	Xylenes (Total)	VOL-91-5009		(P&T)GC/MS						
	F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID						

CCCT Laboratories

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5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2 Ph. 905.712.5100 Fax: 905.712.5122 webearth.agatlabs.com

Laboratory Use Only 242142834 Work Order #: 242142833 Cooler Quantity: One - Decorer Of ICO

& Custody Booord

Report Inform	nation: Terrapex Envrionmental Lin	nited			Reg (Please	gulatory Requence of the check all applicable boxes	uirements:								Custod Notes:	y Seal li	ntact:		Yes		□No	1	PM/A
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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z143377

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: May 01, 2024

PAGES (INCLUDING COVER): 9 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>	

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AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

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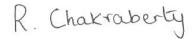
ATTENTION TO: Greg Sabourin

SAMPLED BY:EB

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

SAMI LING SITE. 3030 Mariot	iok main ou	CCI					SAMI LLD DT.LD
				O. Reg. 1	53(511) - PH	HCs F1 - F4	(Soil)
DATE RECEIVED: 2024-04-25							DATE REPORTED: 2024-05-01
	5	SAMPLE DESC	RIPTION:	SP201	SP203	SP205	
		SAMPI	LE TYPE:	Soil	Soil	Soil	
		DATE SA	AMPLED:	2024-04-25 10:00	2024-04-25 10:10	2024-04-25 10:20	
Parameter	Unit	G/S	RDL	5821262	5821265	5821266	
Benzene	μg/g	0.4	0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	9	0.05	< 0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	< 0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	
Xylenes (Total)	μg/g	30	0.05	< 0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	
F2 (C10 to C16)	μg/g	250	10	<10	<10	<10	
F3 (C16 to C34)	μg/g	2500	50	<50	<50	<50	
F4 (C34 to C50)	μg/g	6600	50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	6600	50	NA	NA	NA	
Moisture Content	%		0.1	7.4	8.2	13.6	
Surrogate	Unit	Acceptable	Limits				
Toluene-d8	% Recovery	60-14	10	87	89	87	
Terphenyl	%	60-14	10	91	107	100	





AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:EB

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-25 DATE REPORTED: 2024-05-01

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5821262-5821266 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

Industrial/Commercial/Community Property Use - Medium and Fine Textured Soils

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

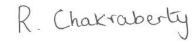
Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)





CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

Certificate of Analysis

AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin

SAMPLED BY:EB

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

			• •	, ,
DATE RECEIVED: 2024-04-25	5			DATE REPORTED: 2024-05-01
	SA	AMPLE DESCRIPTION:	Methanol Blank	
		SAMPLE TYPE:	MeOH	
		DATE SAMPLED:	2024-04-25 10:30	
Parameter	Unit	G/S RDL	5821267	
Benzene	μg/g	0.02	<0.02	
Toluene	μg/g	0.05	< 0.05	
Ethylbenzene	μg/g	0.05	< 0.05	
m & p-Xylene	μg/g	0.05	< 0.05	
o-Xylene	μg/g	0.05	<0.05	
Xylenes (Total)	μg/g	0.05	<0.05	
-1 (C6 to C10)	μg/g	5	<5	
-1 (C6 to C10) minus BTEX	μg/g	5	<5	
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	60-140	85	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

5821267 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraberty



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

PROJECT: CO884.03

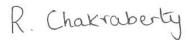
SAMPLING SITE:5650 Manotick Main Street

AGAT WORK ORDER: 24Z143377

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Man	otick Main S	treet						SAMP	LED B	Y:EB					
			Trac	e Or	gani	cs Ar	nalys	is							
RPT Date: May 01, 2024				UPLICAT	E		REFERE	NCE MA	TERIAL	METHOD	BLAN	SPIKE	MAT	RIX SPI	KE
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value		ptable nits	Recovery	1 1 1 1 1 1	eptable mits	Recovery	منا ا	ptable nits
		Id	·	·			value	Lower	Upper	,	Lower	Upper	,	Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4	4 (Soil)														
Benzene	5823708		< 0.02	< 0.02	NA	< 0.02	103%	60%	140%	94%	60%	140%	72%	60%	140%
Toluene	5823708		< 0.05	< 0.05	NA	< 0.05	94%	60%	140%	103%	60%	140%	100%	60%	140%
Ethylbenzene	5823708		<0.05	< 0.05	NA	< 0.05	81%	60%	140%	109%	60%	140%	74%	60%	140%
m & p-Xylene	5823708		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	94%	60%	140%	79%	60%	140%
o-Xylene	5823708		<0.05	<0.05	NA	< 0.05	89%	60%	140%	96%	60%	140%	81%	60%	140%
F1 (C6 to C10)	5823708		<5	<5	NA	< 5	98%	60%	140%	92%	60%	140%	96%	60%	140%
F2 (C10 to C16)	5821262 5	821262	< 10	< 10	NA	< 10	126%	60%	140%	83%	60%	140%	114%	60%	140%
F3 (C16 to C34)	5821262 5	821262	< 50	< 50	NA	< 50	120%	60%	140%	114%	60%	140%	117%	60%	140%
F4 (C34 to C50)	5821262 5	821262	< 50	< 50	NA	< 50	73%	60%	140%	70%	60%	140%	95%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).



AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5821262	SP201	Soil	25-	APR-2024	25-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	d Initials
	Benzene	29-APR-		29-APR-2024	
	Toluene	29-APR-		29-APR-2024	
	Ethylbenzene	29-APR-		29-APR-2024	
	m & p-Xylene	29-APR-		29-APR-2024	
	o-Xylene	29-APR-		29-APR-2024	
	Xylenes (Total)	29-APR-		29-APR-2024	
	F1 (C6 to C10)	29-APR-		29-APR-2024	
	F1 (C6 to C10) minus BTEX	29-APR-		29-APR-2024	
	Toluene-d8	29-APR-		29-APR-2024	
	F2 (C10 to C16)	30-APR-		30-APR-2024	
	F3 (C16 to C34)	30-APR-		30-APR-2024	
	F4 (C34 to C50)	30-APR-		30-APR-2024	
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	29-APR-	2024	29-APR-2024	PD
	Terphenyl	30-APR-	2024	30-APR-2024	SS
	Terphenyl	30-APR-	2024	30-APR-2024	SS
5821265	Terphenyl SP203	30-APR- Soil		30-APR-2024 APR-2024	SS 25-APR-2024
5821265					
5821265					
5821265	SP203		25-/	APR-2024	25-APR-2024
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Soil	25-A		25-APR-2024 d Initials
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Soil Date Prej	25- <i>i</i> pared 2024	APR-2024 Date Analyzed	25-APR-2024 d Initials VB
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	Soil Date Prej 29-APR-	25- <i>h</i> pared 2024 2024	APR-2024 Date Analyzed 29-APR-2024	25-APR-2024 d Initials VB VB
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	Soil Date Prej 29-APR- 29-APR-	25- <i>h</i> coared 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	Soil Date Pre 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	Soil Date Pre 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	Date Pre 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34)	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB VB SYS VB SYS VB SSS SS SS
5821265	SP203 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50) Gravimetric Heavy Hydrocarbons	Date Prej 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 29-APR- 30-APR- 30-APR-	25-A pared 2024 2024 2024 2024 2024 2024 2024 202	Date Analyzed 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 29-APR-2024 30-APR-2024 30-APR-2024	25-APR-2024 d Initials VB VB VB VB VB SYS VB SYS VB SSS SS SS PD

AGAT WORK ORDER: 24Z143377

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5821266	SP205	Soil	25-APR-2024	25-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

eeg. 100(0.1.)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	29-APR-2024	29-APR-2024	VB
Toluene	29-APR-2024	29-APR-2024	VB
Ethylbenzene	29-APR-2024	29-APR-2024	VB
m & p-Xylene	29-APR-2024	29-APR-2024	VB
o-Xylene	29-APR-2024	29-APR-2024	VB
Xylenes (Total)	29-APR-2024	29-APR-2024	SYS
F1 (C6 to C10)	29-APR-2024	29-APR-2024	VB
F1 (C6 to C10) minus BTEX	29-APR-2024	29-APR-2024	SYS
Toluene-d8	29-APR-2024	29-APR-2024	VB
F2 (C10 to C16)	30-APR-2024	30-APR-2024	SS
F3 (C16 to C34)	30-APR-2024	30-APR-2024	SS
F4 (C34 to C50)	30-APR-2024	30-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	29-APR-2024	29-APR-2024	PD
Terphenyl	30-APR-2024	30-APR-2024	SS

5821267 Methanol Blank MeOH 25-APR-2024 25-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	29-APR-2024	29-APR-2024	VB
Toluene	29-APR-2024	29-APR-2024	VB
Ethylbenzene	29-APR-2024	29-APR-2024	VB
m & p-Xylene	29-APR-2024	29-APR-2024	VB
o-Xylene	29-APR-2024	29-APR-2024	VB
Xylenes (Total)	29-APR-2024	29-APR-2024	SYS
F1 (C6 to C10)	29-APR-2024	29-APR-2024	VB
F1 (C6 to C10) minus BTEX	29-APR-2024	29-APR-2024	SYS
Toluene-d8	29-APR-2024	29-APR-2024	VB

5835 COOPERS AVENUE http://www.agatlabs.com

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z143377 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

VOL-91-5009

			3
SAMPLING SITE:5650 Manotick Mai	n Street	SAMPLED BY:EB	
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS

CCME Tier 1 Method

F1 (C6 to C10) minus BTEX

P&T GC/FID

AGAT Laboratories

Have feedback?



Laboratory Use Only

Work Order #: 242143377 Scan here for a (III 100 NOS 717 120 Tugingene Time Cooler Quantity: CM - Declared Arrival Temperatures: **Chain of Custody Record** If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans) Depot Temperatures: **Regulatory Requirements:** Report Information: Custody Seal Intact: TETTAPEX Emujronmental Ltd (Please check all applicable boxes) Company: Grea Somover Sewer Use Regulation 153/04 | Regulation 406 Contact: Sanitary Storm **Turnaround Time (TAT) Required:** 1-20 Gurdwar / Re Address Table Indicate One Table Indicate One ottown, ON KZE 883 □Ind/Com Region **Regular TAT** Mrd/Com 5 to 7 Business Days Res/Park Res/Park Prov. Water Quality Rush TAT (Rush Surcharges Apply) Phone: Agriculture Agriculture Objectives (PWQO) Reports to be sent to: 9. salpour in 8 terrapex. com Soil Texture (Check One) 3 Business 2 Business **Next Business** Regulation 558 1. Email: Other Day Days ☐ Coarse CCME Fine OR Date Required (Rush Surcharges May Apply): 2. Email: May 1 Is this submission for a Record Report Guideline on **Project Information:** Please provide prior notification for rush TAT C0884.03 of Site Condition (RSC)? Certificate of Analysis Project: *TAT is exclusive of weekends and statutory holidays 5650 manotick main Street ☐ No VZ Yes П По Yes Yes Site Location: For 'Same Day' analysis, please contact your AGAT CSR Sampled By: O. Reg 153 O. Reg 406 CrVI, DOC AGAT Quote #: Legal Sample Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC Landfill Disposal Characterization TCLP: TCLP: ☐M&I ☐VOCs ☐ABNs ☐B(a)P□PCBs naracterization Package note if quotation number is not provided client will be billed full price for analysis Corrosivity: ☐ Moisture ☐ Sulphide Invoice Information: Bill To Same: Yes ₩ No □ Η HWSB Sample Matrix Legend Metals, Company Ground Water SD Sediment Contact: □ Hg. Surface Water Field Filtered -Metals & Inorganics Address: Rock/Shale Paint BTEX, F1-F4 PHCs Regulation 406 Ch BTEX, CrVI Email: Soil Comments/ Date Time Sample # of 000 Y/N Sample Identification Sampled Sampled Containers Matrix Special Instructions Acr 25/24 f() SP231 10:00 PM a:/()PM 2 2. 0203 N 0 20 AM 5 3. W 0205 Blank N 4. LONG 1 5. 6. 7. 8. 9. 10. AM 11.



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z138772

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: Apr 16, 2024

PAGES (INCLUDING COVER): 10 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes	

Disclaimer

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
 third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the
 services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
 merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines
 contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

AGAT Laboratories (V1)

Page 1 of 10

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Western Enviro-Agricultural Laboratory Association (WEALA) Environmental Services Association of Alberta (ESAA) AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	ICs F1 - F4	(Soil)	
DATE RECEIVED: 2024-04-12								DATE REPORTED: 2024-04-16
	S	AMPLE DES	CRIPTION:	TP101-4	TP103-4	TP104-2	TP105-4	
		SAM	PLE TYPE:	Soil	Soil	Soil	Soil	
		DATE S	SAMPLED:	2024-04-12 08:00	2024-04-12 08:00	2024-04-12 08:00	2024-04-12 08:00	
Parameter	Unit	G/S	RDL	5796142	5796145	5796146	5796147	
Benzene	μg/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	6	0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	<0.05	<0.05	<0.05	
m & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Xylenes (Total)	μg/g	25	0.05	< 0.05	< 0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	22	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	22	<5	
F2 (C10 to C16)	μg/g	150	10	<10	<10	<10	<10	
F3 (C16 to C34)	μg/g	1300	50	<50	<50	<50	<50	
F4 (C34 to C50)	μg/g	5600	50	<50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA	NA	NA	NA	
Moisture Content	%		0.1	29.0	33.3	22.2	27.4	
Surrogate	Unit	Acceptab	le Limits					
Toluene-d8	% Recovery	60-1	40	81.2	82.8	78	102	
Terphenyl	%	60-1	40	113	118	95	87	

Certified By:



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-12 DATE REPORTED: 2024-04-16

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5796142-5796147 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons > C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

			(D. Reg. 153(51	1) - PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-1	2				DATE REPORTED: 2024-04-16
	SA	AMPLE DESC	RIPTION:	Methanol Blank	
		SAMPI	LE TYPE:	MeOH	
		DATE SA	AMPLED:	2024-04-12 11:00	
Parameter	Unit	G/S	RDL	5796148	
Benzene	μg/g	0.17	0.02	<0.02	
Toluene	μg/g	6	0.05	<0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	<0.05	
Xylenes (Total)	μg/g	25	0.05	<0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptable	Limits		
Toluene-d8	% Recovery	60-14	10	78.8	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5796148 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

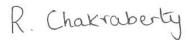
SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z138772
ATTENTION TO: Greg Sabourin
SAMPLED BY: E. Boonstra

SAMPLING SITE:5650 Manot	ick iviain S	treet						AIVIPI	-ED B	Y:E. B00	onstra	l			
			Trac	e Or	ganio	cs Ar	alys	is							
RPT Date: Apr 16, 2024			С	UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MAT	RIX SPI	KE
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value		ptable nits	Recovery	منا ا	ptable nits	Recovery	منا أ	eptable mits
		lu					value	Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (Soil)														
Benzene	5796146	5796146	< 0.02	< 0.02	NA	< 0.02	71%	60%	140%	77%	60%	140%	74%	60%	140%
Toluene	5796146	5796146	< 0.05	< 0.05	NA	< 0.05	74%	60%	140%	91%	60%	140%	80%	60%	140%
Ethylbenzene	5796146	5796146	< 0.05	< 0.05	NA	< 0.05	96%	60%	140%	73%	60%	140%	93%	60%	140%
m & p-Xylene	5796146	5796146	< 0.05	< 0.05	NA	< 0.05	93%	60%	140%	91%	60%	140%	92%	60%	140%
o-Xylene	5796146	5796146	<0.05	<0.05	NA	< 0.05	96%	60%	140%	105%	60%	140%	99%	60%	140%
F1 (C6 to C10)	5796146	5796146	22	19	NA	< 5	92%	60%	140%	91%	60%	140%	92%	60%	140%
F2 (C10 to C16)	5789274		333	342	2.7%	< 10	115%	60%	140%	95%	60%	140%	115%	60%	140%
F3 (C16 to C34)	5789274		< 50	< 50	NA	< 50	116%	60%	140%	118%	60%	140%	104%	60%	140%
F4 (C34 to C50)	5789274		< 50	< 50	NA	< 50	71%	60%	140%	81%	60%	140%	76%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).



AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5796142	TP101-4	Soil	12-A	PR-2024	12-APR-2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	d Initials
	Benzene	16-APR	-2024	16-APR-2024	VB
	Toluene	16-APR	-2024	16-APR-2024	VB
	Ethylbenzene	16-APR	-2024	16-APR-2024	VB
	m & p-Xylene	16-APR	-2024	16-APR-2024	VB
	o-Xylene	16-APR	-2024	16-APR-2024	VB
	Xylenes (Total)	16-APR	-2024	16-APR-2024	SYS
	F1 (C6 to C10)	16-APR	-2024	16-APR-2024	VB
	F1 (C6 to C10) minus BTEX	16-APR	-2024	16-APR-2024	SYS
	Toluene-d8	16-APR		16-APR-2024	VB
	F2 (C10 to C16)	15-APR	-2024	15-APR-2024	SS
	F3 (C16 to C34)	15-APR	-2024	15-APR-2024	SS
	F4 (C34 to C50)	15-APR	-2024	15-APR-2024	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	15-APR	-2024	15-APR-2024	PD
	Terphenyl	15-APR	-2024	15-APR-2024	SS
	Terphenyl	15-APR	-2024	15-APR-2024	SS
5796145	Terphenyl TP103-4	15-APR Soil		15-APR-2024 PR-2024	SS 12-APR-2024
5796145					
5796145					
5796145	TP103-4		12-A		12-APR-2024
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Soil	12-A	PR-2024	12-APR-2024 I Initials
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Soil Date Pre	12-A	PR-2024 Date Analyzec	12-APR-2024 Initials
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	Soil Date Pre 16-APR	12-A	PR-2024 Date Analyzed 16-APR-2024	12-APR-2024 Initials VB VB
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	Soil Date Pre 16-APR 16-APR	12-All pared -2024 -2024 -2024	PR-2024 Date Analyzed 16-APR-2024 16-APR-2024	12-APR-2024 Initials VB VB VB VB
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	Soil Date Pre 16-APR 16-APR 16-APR	12-All pared -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 Initials VB VB VB VB VB
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	Soil Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR	12-Alpared -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 Initials VB VB VB VB VB
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB VB
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB VB SYS
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR	12-All pared	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB VB VB VB V
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	Date Pre 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR 16-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 Initials VB VB VB VB VB VB VB SYS VB SYS VB SYS VB
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	Date Pre 16-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	12-APR-2024 Initials VB VB VB VB VB VB VB SYS VB SYS VB SYS VB SSS
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	Date Pre 16-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024	12-APR-2024 Initials VB VB VB VB VB VB VB SYS VB SYS VB SYS VB SSS
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34)	Date Pre 16-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 15-APR-2024	12-APR-2024 d Initials VB VB VB VB VB VB SYS VB SYS VB SYS VB SS SS
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50)	Date Pre 16-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 15-APR-2024	12-APR-2024 VB VB VB VB VB VB VB VB SYS VB SYS VB SYS VB SS SS
5796145	TP103-4 O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16) F3 (C16 to C34) F4 (C34 to C50) Gravimetric Heavy Hydrocarbons	Date Pre 16-APR 15-APR	12-Al pared -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024 -2024	Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 15-APR-2024 15-APR-2024	12-APR-2024 Initials VB VB VB VB SYS VB SYS VB SYS VB SS SS SS PD

AGAT WORK ORDER: 24Z138772

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received		
5796146	TP104-2	Soil	12-APR-2024	12-APR-202		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Date Prepa	red Date Analyz	zed Initials		
		•				
	Benzene	16-APR-20				
	Toluene	16-APR-20				
	Ethylbenzene	16-APR-20				
	m & p-Xylene	16-APR-20				
	o-Xylene	16-APR-20				
	Xylenes (Total)	16-APR-20				
	F1 (C6 to C10) F1 (C6 to C10) minus BTEX	16-APR-20				
	Toluene-d8	16-APR-20 16-APR-20				
		15-APR-20				
	F2 (C10 to C16) F3 (C16 to C34)	15-APR-20				
	F4 (C34 to C50)	15-APR-20				
	Gravimetric Heavy Hydrocarbons	15-AFR-20	13-AFR-20	24 33		
	Moisture Content	15-APR-20	24 15-APR-20	24 PD		
	Terphenyl	15-APR-20				
	тегрпенуі	13-AF N-20	13-AFIN-20.	24 33		
5796147	TP105-4	Soil	12-APR-2024	12-APR-202		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Data Propa	rod Doto Apoly-	zed Initials		
		Date Prepa				
	Benzene	16-APR-20				
	Toluene	16-APR-20				
	Ethylbenzene	16-APR-20				
	m & p-Xylene o-Xylene	16-APR-20 16-APR-20				
	Xylenes (Total)	16-APR-20				
	F1 (C6 to C10)	16-APR-20				
	F1 (C6 to C10) F1 (C6 to C10) minus BTEX	16-APR-20				
	Toluene-d8	16-APR-20				
	F2 (C10 to C16)	15-APR-20				
	F3 (C16 to C34)	15-APR-20				
	F4 (C34 to C50)	15-APR-20				
	Gravimetric Heavy Hydrocarbons	10-APR-20	10-AFR-20	24 33		
		45 488 00	15 ADD 000	24 PD		
	Moisture Content	nt 15-APR-2024 15-APR-2				

MeOH

Methanol Blank

5796148

12-APR-2024

12-APR-2024



AGAT WORK ORDER: 24Z138772

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID Sample Type Sample Description Date Sampled Date Received 5796148 Methanol Blank MeOH 12-APR-2024 12-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS
Toluene-d8	16-APR-2024	16-APR-2024	VB

5835 COOPERS AVENUE TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z138772 PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Mair	n Street	SAMPLED BY:E. Boonstra						
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE					
Trace Organics Analysis	<u>'</u>		1					
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS					
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS					
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS					
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS					
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS					
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS					
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID					
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID					
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS					
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID					
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID					
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID					
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE					
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE					
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID					
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS					
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS					
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS					
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS					
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS					
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS					
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID					

AGAT Laboratories

Have feedback?
Scan here for a quick survey!

5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2 webearth.agatlabs.com

Labo	rator	y Use	Ог	ıly			
Work C	Order #:	20	17	139	772	<u> </u>	
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on Package	er Leach Svocs □oc	aracterization TCLP: □ABNs □B(a)P□PCBs	phide				centration ()
naractenization Package F1-F4	"LP Rainwater Leach □ vocs □ Svocs □oc	haracterization TCLP. s □ABNs □B(a)P□P	sture Sulphide	12			s or High Concentration (Y/N)

Report Inform					Reg	ulatory Requ	irements:							Cus	stody S	eal Ir	ntacti	- 5	Yes	□No	□N/
Company:	Terrapex				- (Please	check all applicable boxe	;)		_					No	tes:		00	100	gedi	CP	
Contact:	Greg Sabourin				_ X Re	gulation 153/04	Regulation 406	1	☐ Sev		e ∏s	torm		Tur	naro	und	Tim	10 (7	(AT) Requ	nired:	
Address:	1-20 Gurdwara Road					ole	Table														
	Ottawa, ON K2E 8B3				- 1	Ind/Com Res/Park	☐Ind/Com ☐Res/Park			Region					(ular] 5 to 7 Bus	iness Days	
Phone:	613-745-6471	Fax:				Agriculture	Agriculture		Prov		er Qual s (PWQ:			Rus	h TA	(Rush	Surchar	ges App	ply)		
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com				Soil Te	exture (Check One)	Regulation 558				S (F VVQ	<i>J</i>)			- , 3	Busin	ess	-	2 Business	s n	lext Busine
I. Ciliali.					- 11	Coarse			Oth	er				1	⊃ Da	ys		1	Days		ay
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Project Inform	nation*				Is th	is submission	for a Record	R	eport	Guld	eline	on			-						
Project:	CO884.03				0	f Site Conditio	n (RSC)?	Ce	rtifica	te of	Anal	ysis		İ					prior notificat		
Site Location:	5650 Manotick Main Street					Yes 🛚	No	D	Yes			No		l l					weekends an		-
Sampled By:	E. Boonstra				M ST			_	ALLEY,					F	or 'Sa				, please con	tact your A	AT CSR
AGAT Quote #:	17116440659 - So 2024	PO:			Lag	al Cample	1	8	0.	Reg 15	53			-	Reg 40		O. Reg 558		187-1	1454	1
	Please note: If quotation number is n		e billed full price for	analysis.	Leg	al Sample 🗆	J	crvi, boc	3.8					kage		8	, <u>ĕ</u>		100		3
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Email:	accounts.payable@terrapex	com			s	Soil	Nocky Shale	ilter	Inorganics	□ CrVI, □ Hg,	문			406 Charact BTEX, F1-F4	0	tals	sal C	Mo			
								Field Filtered - Metals, Hg.	& Ino		F1-F4 PHCs	1	Sclore	on 40 is, B	1	Me 1	ispo	<u>\</u>	127		1 20
asile (S. e.)		Date	Time	# of	Sample	Com	ments/		Metals &	Metals -	X	, v	PCBs: Aroclors	Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	EC, SAR	mSPLP: □ Metals	Landfill Disposal Characterization TCLP: TCLP: ☐M& ☐VOG ☐ABNs ☐B(a)P ☐PCBs	Corrosivity: ☐ Moisture ☐	2	100	Potentially Hazardous or High Concentration (V/M)
Samp	ole Identification	Sampled	Sampled	Containers	Matrix		nstructions	Y/N	Mei	Met	BTEX,	PAHS	8	Reg pH,	EC,	mSi	Lan	ਲੋ	7		1
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CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z139246

TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager

DATE REPORTED: Apr 17, 2024

PAGES (INCLUDING COVER): 8 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

<u>^Notes</u>		

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
 be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
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Page 1 of 8

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Western Enviro-Agricultural Laboratory Association (WEALA) Environmental Services Association of Alberta (ESAA)



AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 15	53(511) - PHCs F1 - F4 (Soil)
DATE RECEIVED: 2024-04-15					DATE REPORTED: 2024-04-17
	SA	AMPLE DESC	RIPTION:	TP108-2	
		SAMPLE TYPE:			
				2024-04-15 10:00	
Parameter	Unit	G/S	RDL	5798318	
Benzene	μg/g	0.17	0.02	<0.02	
Toluene	μg/g	6	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	25	0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
F2 (C10 to C16)	μg/g	150	10	<10	
F3 (C16 to C34)	μg/g	1300	50	<50	
F4 (C34 to C50)	μg/g	5600	50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA	
Moisture Content	%		0.1	31.2	
Surrogate	Unit	Acceptable	e Limits		
Toluene-d8	% Recovery	60-14	40	121	
Terphenyl	%	60-14	40	87	

Certified By:



AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-15 DATE REPORTED: 2024-04-17

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5798318 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)





AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin
SAMPLED BY:E. Boonstra

			(D. Reg. 153(5	11) - PHCs F1/BTEX (MeOH)
DATE RECEIVED: 2024-04-15					DATE REPORTED: 2024-04-17
	SA	MPLE DESC	CRIPTION:	Methanol Blank	
		SAMF	LE TYPE:	MeOH	
		DATE S	AMPLED:	2024-04-15 11:00	
Parameter	Unit	G/S	RDL	5798319	
Benzene	μg/g	0.17	0.02	<0.02	
Toluene	μg/g	6	0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	< 0.05	
m & p-Xylene	μg/g		0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	
Xylenes (Total)	μg/g	25	0.05	<0.05	
F1 (C6 to C10)	μg/g	65	5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	
Surrogate	Unit	Acceptabl	e Limits		
Toluene-d8	% Recovery	60-1	40	101	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5798319 A small amount of the methanol extract was diluted in water and the purge & trap GC/MS/FID analysis was performed.

Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

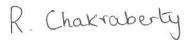
SAMPLING SITE:5650 Manotick Main Street

PROJECT: CO884.03

AGAT WORK ORDER: 24Z139246
ATTENTION TO: Greg Sabourin
SAMPLED BY:E. Boonstra

											•			
		Trac	e Or	ganio	cs Ar	nalys	is							
		D	UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD BLANK SPIKE			MAT	MATRIX SPIKE	
Batch	Sample	Dup #1	Dup #2	RPD	Method Blank				Recovery			Recovery		ptable nits
	iu		·			value	Lower	Upper		Lower	Upper		Lower	Upper
(MeOH)														
5798049		< 0.02	< 0.02	NA	< 0.02	94%	60%	140%	84%	60%	140%	98%	60%	140%
5798049		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	80%	60%	140%	100%	60%	140%
5798049		< 0.05	< 0.05	NA	< 0.05	82%	60%	140%	73%	60%	140%	99%	60%	140%
5798049		<0.05	< 0.05	NA	< 0.05	91%	60%	140%	90%	60%	140%	99%	60%	140%
5798049		<0.05	<0.05	NA	< 0.05	93%	60%	140%	81%	60%	140%	102%	60%	140%
5798049		<5	<5	NA	< 5	96%	60%	140%	95%	60%	140%	96%	60%	140%
oil)														
5798049		< 0.02	< 0.02	NA	< 0.02	94%	60%	140%	84%	60%	140%	98%	60%	140%
5798049		< 0.05	< 0.05	NA	< 0.05	90%	60%	140%	80%	60%	140%	100%	60%	140%
5798049		< 0.05	< 0.05	NA	< 0.05	82%	60%	140%	73%	60%	140%	99%	60%	140%
5798049		< 0.05	< 0.05	NA	< 0.05	91%	60%	140%	90%	60%	140%	99%	60%	140%
5798049		<0.05	<0.05	NA	< 0.05	93%	60%	140%	81%	60%	140%	102%	60%	140%
5798049		<5	<5	NA	< 5	96%	60%	140%	95%	60%	140%	96%	60%	140%
5793471		< 10	< 10	NA	< 10	120%	60%	140%	98%	60%	140%	83%	60%	140%
5793471		< 50	< 50	NA	< 50	124%	60%	140%	116%	60%	140%	115%	60%	140%
5793471		< 50	< 50	NA	< 50	68%	60%	140%	115%	60%	140%	63%	60%	140%
•	MeOH) 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049	MeOH) 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798049 5798047	Batch Sample Dup #1	DUPLICAT Batch Sample Dup #1 Dup #2	DUPLICATE	DUPLICATE Method Blank MeOH	DUPLICATE Reference Reference Republic Republic Reference Republic Repub	Batch Sample Dup #1 Dup #2 RPD Method Blank Measured Value Liver Lower	DUPLICATE REFERENCE MATERIAL Acceptable Limits Lower Upper	DUPLICATE REFERENCE MATERIAL METHOD	DUPLICATE Reference Material Method Blank Measured Value Limits Lower Upper Recovery Acceptable Limits Lower Upper Limits Upper Upper Limits Upper Upper Limits Upper Upper	DUPLICATE Batch Sample Dup #1 Dup #2 RPD Method Measured Value Limits Lower Upper Limits Lower Upper MeoUnits Upper MeoUn	DUPLICATE Batch Sample Dup #1 Dup #2 RPD Method Blank Method Measured Value Climits Lower Upper Clower Upper Clower Upper Clower Upper Clower Upper Climits Clower Upper Clower Upper Climits Climits Climits Climits Clower Upper Climits Climits Clower Upper Climits Climits	DUPLICATE REFERENCE MATERIAL METHOD BLANK SPIKE MATRIX SPIKE Measured Limits Lower Upper Lower Upper Limits Lower Upper Uppe

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5798318	TP108-2	Soil	15-APR-2024	15-APR-2024

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

O. Reg. 100(011) - 11103 1 1 - 1 4 (0011)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS
Toluene-d8	16-APR-2024	16-APR-2024	VB
F2 (C10 to C16)	17-APR-2024	17-APR-2024	SS
F3 (C16 to C34)	17-APR-2024	17-APR-2024	SS
F4 (C34 to C50)	17-APR-2024	17-APR-2024	SS
Gravimetric Heavy Hydrocarbons			
Moisture Content	16-APR-2024	16-APR-2024	PD
Terphenyl	17-APR-2024	17-APR-2024	SS

5798319 Methanol Blank MeOH 15-APR-2024 15-APR-2024

O. Reg. 153(511) - PHCs F1/BTEX (MeOH)

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS
Toluene-d8	16-APR-2024	16-APR-2024	VB

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z139246

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis	·	•	
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Benzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Toluene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from EPA SW-846 5035C & 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from EPA 5035C and EPA 8260D	(P&T)GC/MS
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method	P&T GC/FID

AGAT Laboratories

Have feedback?
Scan here for a quick survey!



5835 Coopers Avenue Mississauga, Ontario L4Z 1Y2 Phy 995,712,5100 Fax: 905,712,5122 webearth.agatlabs.com

W	Jork Order #: 247 39246	
Co	cooler Quantity: We - Wee 100.	
	rejust Temperaturant a Co. II a 9 I (a	0

Laboratory Use Only

				(E)1-71	- ш						_	Co	oler Q	uantit	y: 🗥	no	-10	Core	100	-		
Chain of C	Custody Record	If this is a i	Drinking Water :	sample, plea	se use Drin	king Water Chain o	of Custody Form (pota	ble water	consum	ed by h	umans)						atures:		6	169:	911	2.3
Report Inform Company:	nation: Terrapex				Re;	gulatory Requestions of the control	uirements:							Cu	stody s		ntact:]Yes	ed.]No	ØÑ/A
Contact:	Greg Sabourin				_ V	egulation 153/04	Regulation 40	6	Sev										4-4-			
Address:	1-20 Gurdwara Road					able	Table		Пs	anitary		itorm		Turnaround Time (TAT) Required:								
	Ottawa, ON K2E 8B3				ے ال	Ind/Com	∐Ind/Com		-	Regio	n			Regular TAT 5 to 7 Business Days								
Phone:	613-745-6471	Fax:				(Res/Park Agriculture	☐ Res/Park ☐ Agriculture		☐ Pro	v. Wat	er Qua	lity		Rus	sh TA	T (Rusi	h Surehar	ges App	aly)			
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com				Soil 7	Agriculture Texture (Check One) Coarse	Regulation 558	8	Objectives (PWQO) Other					Busir	ness	Z	2 Busi	ness		ext Business		
2. Email:					- 11 -	Fine	ССМЕ		Indicate One				Days Days Day OR Date Required (Rush Surcharges May Apply):							•		
Project: CO884.03 Site leasting 5650 Manatick Main Street			Is this submission for a Record of Site Condition (RSC)?				Report Guldeline on Certificate of Analysis				Please provide prior notification for rush TAT *TAT is exclusive of weekends and statutory holidays											
Site Location:	5650 Manotick Main Street					☐ Yes No					Yes 🗆 No				For 'Same Day' analysis, please contact your AGAT CSR							
Sampled By:	E. Boonstra				.				4	Reg 1	E2 T	-			_	_			рјеазе	T	Jour Ad	
AGAT Quote #:	17116440659 - So 2024	PO:			Leg	al Sample		000		. Reg 1	1			-	Reg 40	000	0. Reg 558					(3 / N)
Invoice Information Company:	mation: Terrapex	Bi	ill To Same: Ye	s ☑ No 🗆	Sar _{GW}	mple Matrix L	_	Field Flitered - Metals, Hg, CrVI, DOC		□HWSB				Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4		D SVOCs	Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Sulphide	T)			Potentially Hazardous or High Concentration (V/N)
Contact:	1=				- 0		SW Surface Water	≥ · p	nics D Hg,				aract 1-F4	6	□ VOCs	arac	ture)			는 I	
Address: Email:	accounts.payable@terrapex.c	com			P	Paint F Soil	Rock/Shale	itere	gani	=	PHCs			SChe EX, F	8		S 라	Mols	V		A	snop
cinali.	accounterpayment C rest up on the					5011		Field F	& Inorganics	- CrvI, I	1-F4 F		PCBs: Arodors	Regulation 406 Charact pH, Metals, BTEX, F1-F4	000	Regulation 406 St mSPLP: ☐ Metals	Dispos	Corrosivity: ☐ Molsture ☐	BIEX			lly Hazaı
Samp	ole Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix		nments/ Instructions	Y/N	Metals	Metals -	BTEX, F1-F4	VOC PAHs	PCBs: A	Regular pH, Me	EC, SAR	mSPLP: □	Landfill TCLP.	Corrosi	do			Potentia
1. TP	108-2	Dor 15/24	/aioo AM	2	S			N			X											
2. Me	thanoi Blank	L	11:00 AM	1	3-			2											X			25
3.			AM PM		-														7.			
4.			AM PM																			
5.			AM PM					1														
6.			AM PM																10			
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Samples Relinquished by (Pri	Premera /	The	Par 15/	ZY Time	Y. 00	Samples Regived By (Print Name and Signi	N				0	ato	5/2	YE	h	58			7		1
Confident Hamiltonial Bit (154)	O A A D		ouls	2415	han	TIP	- Alas adams					AV	7	6	8	1:0	5-	1-	Pa	ge_	_ of _	

Nº:



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED 20 GURDWARA ROAD, UNIT 1 OTTAWA, ON K2E 8B3 613 745 6471

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03 AGAT WORK ORDER: 24Z139245

SOIL ANALYSIS REVIEWED BY: Nivine Basily, Inorganic Team Lead TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Apr 16, 2024

PAGES (INCLUDING COVER): 26 VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes	

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may
 incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may
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- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other
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 contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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Page 1 of 26

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AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

SAMI LING STIL.3030 Mariotic	Olicel			SAINI LED DT.L. DUUTSITA							
			O. Re	g. 153(511)	- Metals (In	cluding Hy	drides) (Soi	I)			
DATE RECEIVED: 2024-04-15								[DATE REPORTI	ED: 2024-04-16	
		SAMPLE DES	CRIPTION:	GS1	GS2	GS3	GS4	GS5	GS6	GS7	GS8
		SAM	PLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE	SAMPLED:	2024-04-12 14:00	2024-04-12 14:05	2024-04-12 14:10	2024-04-12 14:15	2024-04-12 14:20	2024-04-12 14:25	2024-04-12 14:30	2024-04-12 14:35
Parameter	Unit	G/S	RDL	5798272	5798274	5798275	5798276	5798277	5798278	5798279	5798280
Antimony	μg/g	7.5	8.0	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	μg/g	18	1	<1	<1	<1	<1	<1	<1	<1	<1
Barium	μg/g	390	2.0	18.2	17.6	16.3	16.6	15.7	15.9	16.9	16.2
Beryllium	μg/g	5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	μg/g	120	5	<5	<5	<5	<5	<5	<5	<5	<5
Cadmium	μg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	μg/g	160	5	6	7	7	7	6	7	7	7
Cobalt	μg/g	22	8.0	3.2	3.4	3.1	3.7	2.9	3.0	3.1	3.1
Copper	μg/g	180	1.0	6.7	7.2	6.7	7.2	8.2	6.7	6.8	6.7
Lead	μg/g	120	1	2	2	2	2	2	2	2	2
Molybdenum	μg/g	6.9	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel	μg/g	130	1	5	6	5	5	5	5	5	5
Selenium	μg/g	2.4	8.0	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Silver	μg/g	25	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	μg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	μg/g	23	0.50	< 0.50	< 0.50	<0.50	0.62	<0.50	<0.50	0.54	0.52
Vanadium	μg/g	86	2.0	14.6	17.8	16.3	18.9	15.0	16.0	18.1	20.7
Zinc	µg/g	340	5	11	11	10	11	10	10	10	11





AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY: E. Boonstra

			O. Reg	g. 153(511)	- Metals (In	cluding Hyd	drides) (Soil)
DATE RECEIVED: 2024-04-15							DATE REPORTED: 2024-04-16
		SAMPLE DES	CRIPTION:	GS9	GS10	GS11	
		SAMI	PLE TYPE:	Soil	Soil	Soil	
		DATES	SAMPLED:	2024-04-12 14:40	2024-04-12 14:50	2024-04-12 14:50	
Parameter	Unit	G/S	RDL	5798281	5798282	5798283	
Antimony	μg/g	7.5	8.0	<0.8	<0.8	<0.8	
Arsenic	μg/g	18	1	1	1	<1	
Barium	μg/g	390	2.0	17.7	17.1	18.2	
Beryllium	μg/g	5	0.5	<0.5	<0.5	<0.5	
Boron	μg/g	120	5	<5	<5	<5	
Cadmium	μg/g	1.2	0.5	<0.5	<0.5	<0.5	
Chromium	μg/g	160	5	9	9	7	
Cobalt	μg/g	22	8.0	3.5	4.1	3.3	
Copper	μg/g	180	1.0	7.1	6.9	7.1	
Lead	μg/g	120	1	2	2	2	
Molybdenum	μg/g	6.9	0.5	<0.5	<0.5	<0.5	
Nickel	μg/g	130	1	6	6	5	
Selenium	μg/g	2.4	8.0	<0.8	<0.8	<0.8	
Silver	μg/g	25	0.5	<0.5	<0.5	<0.5	
Thallium	μg/g	1	0.5	<0.5	<0.5	<0.5	
Uranium	μg/g	23	0.50	0.58	0.66	0.55	
Vanadium	μg/g	86	2.0	25.5	23.5	16.5	
Zinc	μg/g	340	5	10	11	11	

Comments:

RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Toronto (unless marked by *)



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Re	g. 153(511)	- ORPs (So	il)				
DATE RECEIVED: 2024-04-15								[DATE REPORTI	ED: 2024-04-16	
		SAMPLE DES	CRIPTION:	GS1	GS2	GS3	GS4	GS5	GS6	GS7	GS8
		SAM	PLE TYPE:	Soil							
		DATE	SAMPLED:	2024-04-12 14:00	2024-04-12 14:05	2024-04-12 14:10	2024-04-12 14:15	2024-04-12 14:20	2024-04-12 14:25	2024-04-12 14:30	2024-04-12 14:35
Parameter	Unit	G/S	RDL	5798272	5798274	5798275	5798276	5798277	5798278	5798279	5798280
Mercury	μg/g	1.8	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
		SAMPLE DES	CRIPTION:	GS9	GS10	GS11					
		SAM	PLE TYPE:	Soil	Soil	Soil					
		DATE SAMPLED:		2024-04-12 14:40	2024-04-12 14:50	2024-04-12 14:50					
Parameter	Unit	G/S	RDL	5798281	5798282	5798283					
Mercury	μg/g	1.8	0.10	<0.10	<0.10	<0.10					

Comments:

RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil -

Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Toronto (unless marked by *)

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AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O/MIN EED DT.E. DOONSTA										
				O. Reg. 1	53(511) - PH	ICs F1 - F4	(Soil)							
OATE RECEIVED: 2024-04-15								Г	DATE REPORTE	ED: 2024-04-16				
	S	AMPLE DESC	CRIPTION:	GS1	GS2	GS3	GS4	GS5	GS6	GS7				
		SAMF	LE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil				
		DATE S	AMPLED:	2024-04-12 14:00	2024-04-12 14:05	2024-04-12 14:10	2024-04-12 14:15	2024-04-12 14:20	2024-04-12 14:25	2024-04-12 14:30				
Parameter	Unit	G/S	RDL	5798272	5798274	5798275	5798276	5798277	5798278	5798279				
enzene	μg/g	0.17	0.02	<0.02	< 0.02	<0.02	<0.02	< 0.02	<0.02	<0.02				
oluene	μg/g	6	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05				
thylbenzene	μg/g	1.6	0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05	< 0.05	<0.05				
n & p-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05				
-Xylene	μg/g		0.05	< 0.05	<0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05				
ylenes (Total)	μg/g	25	0.05	<0.05	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05				
1 (C6 to C10)	μg/g	65	5	<5	<5	<5	<5	<5	<5	<5				
1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	<5	<5	<5	<5				
2 (C10 to C16)	μg/g	150	10	<10	<10	<10	<10	<10	<10	<10				
3 (C16 to C34)	μg/g	1300	50	<50	<50	<50	<50	<50	<50	<50				
4 (C34 to C50)	μg/g	5600	50	<50	<50	<50	<50	<50	<50	<50				
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA	NA	NA	NA	NA	NA	NA				
loisture Content	%		0.1	14.6	13.9	1.8	6.9	6.1	8.7	5.6				
Surrogate	Unit	Acceptabl	e Limits											
oluene-d8	% Recovery	60-1	40	112	89	105	81	102	98	108				
erphenyl	%	60-1	40	82	95	91	97	80	78	80				





AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

				O. Reg. 1	53(511) - PH	ICs F1 - F4	(Soil)	
DATE RECEIVED: 2024-04-15								DATE REPORTED: 2024-04-16
	S	AMPLE DESC	RIPTION:	GS8	GS9	GS10	GS11	
		SAMP	LE TYPE:	Soil	Soil	Soil	Soil	
		DATE SAMPLED:		2024-04-12 14:35	2024-04-12 14:40	2024-04-12 14:50	2024-04-12 14:50	
Parameter	Unit	G/S	RDL	5798280	5798281	5798282	5798283	
Benzene	μg/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02	
Toluene	μg/g	6	0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Ethylbenzene	μg/g	1.6	0.05	<0.05	< 0.05	< 0.05	< 0.05	
m & p-Xylene	μg/g		0.05	<0.05	<0.05	< 0.05	< 0.05	
o-Xylene	μg/g		0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Xylenes (Total)	μg/g	25	0.05	<0.05	<0.05	< 0.05	< 0.05	
F1 (C6 to C10)	μg/g	65	5	<5	<5	<5	<5	
F1 (C6 to C10) minus BTEX	μg/g	65	5	<5	<5	<5	<5	
F2 (C10 to C16)	μg/g	150	10	<10	<10	<10	<10	
F3 (C16 to C34)	μg/g	1300	50	<50	<50	<50	<50	
F4 (C34 to C50)	μg/g	5600	50	<50	<50	<50	<50	
Gravimetric Heavy Hydrocarbons	μg/g	5600	50	NA	NA	NA	NA	
Moisture Content	%		0.1	7.8	7.3	32.0	8.1	
Surrogate	Unit	Acceptabl	e Limits					
Toluene-d8	% Recovery	60-1	40	112	83.2	79.5	69.8	
Terphenyl	%	60-1	40	81	86	74	89	





AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

SAMPLING SITE:5650 Manotick Main Street

ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-04-15 DATE REPORTED: 2024-04-16

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**

Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5798272-5798283 Results are based on sample dry weight.

The C6-C10 fraction is calculated using Toluene response factor.

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.

C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons > C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contribution.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

NPopukolof



Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

PROJECT: CO884.03 SAMPLING SITE:5650 Manotick Main Street AGAT WORK ORDER: 24Z139245 ATTENTION TO: Greg Sabourin SAMPLED BY: E. Boonstra

Soil Ana	alysis	3		
PLICATE		REFERENCE MATERIAL	METHOD BLANK SPIKE	MATRIX

RPT Date: Apr 16, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD	BLANK	SPIKE	MATRIX SPIKE		
PARAMETER	Batch	Sample	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Lin	ptable nits
		ld						Lower	Upper	,	Lower	Upper	,	Lower	Upper
O. Reg. 153(511) - ORPs (Soil)															

Mercury

< 0.10 70% 130% 5796461 < 0.10 113% 70% 130% 100% 80% 120% 105%

Comments: NA signifies Not Applicable.

Duplicate NA: results are under 5X the RDL and will not be calculated.

O. Reg. 153(511) - Metals	(Including	Hydrides)	(Soil))
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0ogoo(0)	iotalo (iliotaaling injantaco) (coll)													
Antimony	5796461	<0.8	<0.8	NA	< 0.8	135%	70%	130%	105%	80%	120%	94%	70%	130%
Arsenic	5796461	3	3	NA	< 1	122%	70%	130%	105%	80%	120%	107%	70%	130%
Barium	5796461	46.0	41.2	11.0%	< 2.0	100%	70%	130%	96%	80%	120%	93%	70%	130%
Beryllium	5796461	<0.5	< 0.5	NA	< 0.5	88%	70%	130%	111%	80%	120%	103%	70%	130%
Boron	5796461	6	11	NA	< 5	75%	70%	130%	100%	80%	120%	84%	70%	130%
Cadmium	5796461	<0.5	<0.5	NA	< 0.5	99%	70%	130%	104%	80%	120%	108%	70%	130%
Chromium	5796461	16	17	NA	< 5	112%	70%	130%	117%	80%	120%	113%	70%	130%
Cobalt	5796461	6.0	5.7	5.1%	< 0.8	115%	70%	130%	111%	80%	120%	109%	70%	130%
Copper	5796461	13.1	12.3	6.3%	< 1.0	99%	70%	130%	112%	80%	120%	98%	70%	130%
Lead	5796461	9	11	20.0%	< 1	108%	70%	130%	104%	80%	120%	102%	70%	130%
Molybdenum	5796461	<0.5	<0.5	NA	< 0.5	115%	70%	130%	105%	80%	120%	110%	70%	130%
Nickel	5796461	14	13	7.4%	< 1	113%	70%	130%	108%	80%	120%	100%	70%	130%
Selenium	5796461	<0.8	<0.8	NA	< 0.8	96%	70%	130%	103%	80%	120%	102%	70%	130%
Silver	5796461	<0.5	<0.5	NA	< 0.5	112%	70%	130%	106%	80%	120%	101%	70%	130%
Thallium	5796461	<0.5	<0.5	NA	< 0.5	110%	70%	130%	101%	80%	120%	102%	70%	130%
Uranium	5796461	<0.50	<0.50	NA	< 0.50	120%	70%	130%	102%	80%	120%	112%	70%	130%
Vanadium	5796461	26.1	26.4	1.1%	< 2.0	125%	70%	130%	116%	80%	120%	112%	70%	130%
Zinc	5796461	47	51	8.2%	< 5	108%	70%	130%	113%	80%	120%	110%	70%	130%

Comments: NA Signifies Not Applicable.

Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.





Quality Assurance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03 ATTENTION TO: Greg Sabourin SAMPLING SITE:5650 Manotick Main Street SAMPLED BY:E. Boonstra

							`								
			Trac	e Or	ganio	cs Ar	nalysi	is							
RPT Date: Apr 16, 2024				UPLICAT	E		REFEREN	NCE MA	TERIAL	METHOD	BLANK	SPIKE	MAT	RIX SPI	IKE
PARAMETER	Batch	Sample	Dup #1	Dup #2	RPD	Method Blank	Measured Value		ptable nits	Recovery	1 :	ptable nits	Recovery	1 1 1 1 1	eptable mits
		lu					value	Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4	(Soil)														
Benzene	5798283	5798283	< 0.02	< 0.02	NA	< 0.02	93%	60%	140%	94%	60%	140%	86%	60%	140%
Toluene	5798283	5798283	< 0.05	< 0.05	NA	< 0.05	89%	60%	140%	87%	60%	140%	93%	60%	140%
Ethylbenzene	5798283	5798283	< 0.05	< 0.05	NA	< 0.05	102%	60%	140%	98%	60%	140%	99%	60%	140%
m & p-Xylene	5798283	5798283	< 0.05	< 0.05	NA	< 0.05	102%	60%	140%	96%	60%	140%	90%	60%	140%
o-Xylene	5798283	5798283	<0.05	<0.05	NA	< 0.05	102%	60%	140%	98%	60%	140%	93%	60%	140%
F1 (C6 to C10)	5798283	5798283	<5	<5	NA	< 5	93%	60%	140%	94%	60%	140%	91%	60%	140%
F2 (C10 to C16)	5787521		< 10	< 10	NA	< 10	98%	60%	140%	108%	60%	140%	115%	60%	140%
F3 (C16 to C34)	5787521		1050	775	30.1%	< 50	102%	60%	140%	110%	60%	140%	120%	60%	140%
F4 (C34 to C50)	5787521		349	272	24.8%	< 50	65%	60%	140%	115%	60%	140%	125%	60%	140%
Comments: When the average of the	ne sample and	d duplicate	results is	less than 5	x the RDL	., the Rela	tive Perce	nt Diffe	rence (F	RPD) will b	e indica	ated as	Not Appli	cable (1	NA).
O. Reg. 153(511) - PHCs F1 - F4	(Soil)														
F2 (C10 to C16)	5789165		< 10	< 10	NA	< 10	120%	60%	140%	98%	60%	140%	83%	60%	140%
F3 (C16 to C34)	5789165		< 50	< 50	NA	< 50	124%	60%	140%	116%	60%	140%	115%	60%	140%
F4 (C34 to C50)	5789165		< 50	< 50	NA	< 50	68%	60%	140%	115%	60%	140%	63%	60%	140%





QC Exceedance

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED AGAT WORK ORDER: 24Z139245
PROJECT: CO884.03 ATTENTION TO: Greg Sabourin

RPT Date: Apr 16, 2024		REFERENC	E MATERIA	AL I	METHOD	BLANK	SPIKE	MAT	RIX SPI	KE
PARAMETER	Sample Id	Measured	Acceptal Limits		Recovery	Lin	ptable nits	Recovery	Lin	ptable nits
		Value	Lower Up		11		Upper	,		Upper

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Antimony 135% 70% 130% 105% 80% 120% 94% 70% 130%

Comments: NA Signifies Not Applicable.

Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5798272	GS1	Soil	12-APR-2024	15-APR-2024
	O. Reg. 153(511) - Metals (Including H	ydrides) (Soil)		
	Parameter	Date Prep	pared Date Analy:	zed Initials
	Antimony	16-APR-2	2024 16-APR-20	24 SE
	Arsenic	16-APR-2	2024 16-APR-20	24 SE
	Barium	16-APR-2	2024 16-APR-20	24 SE
	Beryllium	16-APR-2	2024 16-APR-20	24 SE
	Boron	16-APR-2	2024 16-APR-20	24 SE
	Cadmium	16-APR-2	2024 16-APR-20	24 SE
	Chromium	16-APR-2	2024 16-APR-20	24 SE
	Cobalt	16-APR-2	2024 16-APR-20	24 SE
	Copper	16-APR-2	2024 16-APR-20	24 SE
	Lead	16-APR-2	2024 16-APR-20	24 SE
	Molybdenum	16-APR-2	2024 16-APR-20	24 SE
	Nickel	16-APR-2	2024 16-APR-20	24 SE
	Selenium	16-APR-2	2024 16-APR-20	24 SE
	Silver	16-APR-2	2024 16-APR-20	24 SE
	Thallium	16-APR-2	2024 16-APR-20	24 SE
	Uranium	16-APR-2	2024 16-APR-20	24 SE
	Vanadium	16-APR-2	2024 16-APR-20	24 SE
	Zinc	16-APR-2	2024 16-APR-20	24 SE
	O. Reg. 153(511) - ORPs (Soil)			
	Parameter	Date Prep	pared Date Analy:	zed Initials
	Mercury	16-APR-2	2024 16-APR-20	24 SE
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
	Parameter	Date Prep	pared Date Analy	zed Initials
	-	·		-
	Benzene	16-APR-2		
	Toluene	16-APR-2		
	Ethylbenzene	16-APR-2		
	m & p-Xylene	16-APR-2		
	o-Xylene	16-APR-2		
	Xylenes (Total)	16-APR-2		
	F1 (C6 to C10)	16-APR-2		
	F1 (C6 to C10) minus BTEX	16-APR-2		
	Toluene-d8	16-APR-2		
	F2 (C10 to C16)	16-APR-2		
	F3 (C16 to C34)	16-APR-2		
	F4 (C34 to C50)	16-APR-2	2024 16-APR-20	24 SS

Gravimetric Heavy Hydrocarbons

Moisture Content

16-APR-2024

16-APR-2024



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAM	ME: TERRAPEX ENVIRONMENTAL LIM	MITED			ATTENTION TO: Greg Sabourin
Sample ID	Sample Description	Sample Type	Date Sampled	Date Received	
5798272	GS1	Soil	12-APR-2024	15-APR-2024	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Prepa	ared Date Analy	zed Initials	
	Terphenyl	16-APR-2	024 16-APR-20	24 SS	
5798274	GS2	Soil	12-APR-2024	15-APR-2024	
	O. Reg. 153(511) - Metals (Including Hydr	idea) (Sail)			
	Parameter	Date Prepa	ared Date Analy	zed Initials	
	Antimony	16-APR-2	024 16-APR-20	24 SE	
	Arsenic	16-APR-2	024 16-APR-20	24 SE	
	Barium	16-APR-2	024 16-APR-20	24 SE	
	Beryllium	16-APR-2	024 16-APR-20	24 SE	
	Boron	16-APR-2	024 16-APR-20	24 SE	
	Cadmium	16-APR-2	024 16-APR-20	24 SE	
	Chromium	16-APR-2	024 16-APR-20	24 SE	
	Cobalt	16-APR-2	024 16-APR-20	24 SE	

Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE

O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Moreury	16_ADD_2024	16-ADD-2024	9E

Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB
Ethylbenzene	16-APR-2024	16-APR-2024	VB
m & p-Xylene	16-APR-2024	16-APR-2024	VB
o-Xylene	16-APR-2024	16-APR-2024	VB
Xylenes (Total)	16-APR-2024	16-APR-2024	SYS
F1 (C6 to C10)	16-APR-2024	16-APR-2024	VB
F1 (C6 to C10) minus BTEX	16-APR-2024	16-APR-2024	SYS



CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

FAX (905)712-5122 http://www.agatlabs.com

5835 COOPERS AVENUE

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

TEL (905)712-5100 FAX (905)712-5122

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date Sampled	Date Rec	eived
5798274	GS2	Soil	12-APR-2024	15-APR-	·2024
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared Date A	nalyzed Init	tials
	Toluene-d8	16-APR	-2024 16-AP	R-2024 V	/B
	F2 (C10 to C16)	16-APR	-2024 16-AP	R-2024 S	SS
	F3 (C16 to C34)	16-APR	-2024 16-AP	R-2024 S	SS
	F4 (C34 to C50)	16-APR	-2024 16-AP	R-2024 S	SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR	-2024 16-AP	R-2024 A	λA
	Terphenyl	16-APR	-2024 16-AP	R-2024 S	SS
5798275	GS3	Soil	12-APR-2024	15-APR-	2024

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Mercury	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB



Terphenyl

Time Markers

AGAT WORK ORDER: 24Z139245

SS

PROJECT: CO884.03

16-APR-2024

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	e Sampled	Date Received	
5798275	GS3	Soil	12-APR-2024		15-APR-2024	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Date Pre	pared	Date Analyze	d Initials	
	Ethylbenzene	16-APR		16-APR-2024		
	m & p-Xylene	16-APR	-2024	16-APR-2024	4 VB	
	o-Xylene	16-APR	-2024	16-APR-2024	l VB	
	Xylenes (Total)	16-APR	-2024	16-APR-2024	Y SYS	
	F1 (C6 to C10)	16-APR	-2024	16-APR-2024	l VB	
	F1 (C6 to C10) minus BTEX	16-APR	-2024	16-APR-2024	SYS	
	Toluene-d8	16-APR	-2024	16-APR-2024	l VB	
	F2 (C10 to C16)	16-APR	-2024	16-APR-2024	ss s	
	F3 (C16 to C34)	16-APR	-2024	16-APR-2024	l SS	
	F4 (C34 to C50)	16-APR	-2024	16-APR-2024	ss s	
	Gravimetric Heavy Hydrocarbons					
	Moisture Content	16-APR	-2024	16-APR-2024	1 AA	

GS4 5798276 Soil 12-APR-2024 15-APR-2024

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date Sampled [Date Received	
5798276	GS4	Soil	12-	APR-2024	15-APR-2024	
	O. Reg. 153(511) - ORPs (Soil)					
	Parameter	Date Pre	pared	Date Analyzed	d Initials	
	Mercury	16-APR	2024	16-APR-2024	SE	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Date Pre	pared	Date Analyzed	d Initials	
	Benzene	16-APR	2024	16-APR-2024	VB	
	Toluene	16-APR	2024	16-APR-2024	VB	
	Ethylbenzene	16-APR	2024	16-APR-2024	VB	
	m & p-Xylene	16-APR	2024	16-APR-2024	VB	
	o-Xylene	16-APR	2024	16-APR-2024	VB	
	Xylenes (Total)	16-APR	2024	16-APR-2024	SYS	
	F1 (C6 to C10)	16-APR	2024	16-APR-2024	VB	
	F1 (C6 to C10) minus BTEX	16-APR	2024	16-APR-2024	SYS	
	Toluene-d8	16-APR	2024	16-APR-2024	VB	
	F2 (C10 to C16)	16-APR	2024	16-APR-2024	SS	
	F3 (C16 to C34)	16-APR	2024	16-APR-2024	SS	
	F4 (C34 to C50)	16-APR	2024	16-APR-2024	SS	
	Gravimetric Heavy Hydrocarbons					
	Moisture Content	16-APR	2024	16-APR-2024	AA	
	Terphenyl	16-APR	2024	16-APR-2024	SS	
5798277	GS5	Soil	12-	APR-2024	15-APR-2024	
	O. Reg. 153(511) - Metals (Including Hydri	des) (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	l Initials	
	Antimony	16-APR-	•	16-APR-2024	SE	

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE



AGAT WORK ORDER: 24Z139245

ATTENTION TO: Greg Sabourin

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample IDSample DescriptionSample TypeDate SampledDate Received5798277GS5Soil12-APR-202415-APR-2024

GS5	Soil	il 12-APR-2024		15-APR-2024	
O. Reg. 153(511) - Metals (Including Hydrides	, , ,				
Parameter		Date Prepared Date Analyz			
Uranium		16-APR-2024 16-APR-2024		SE	
Vanadium		PR-2024	16-APR-2024	SE	
Zinc	16-A	PR-2024	16-APR-2024	SE	
O. Reg. 153(511) - ORPs (Soil)					
Parameter	Date	Prepared	Date Analyzed	l Initials	
Mercury	16-A	PR-2024	16-APR-2024	SE	
O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
Parameter	Date	Prepared	Date Analyzed	l Initials	
Benzene	16-A	PR-2024	16-APR-2024	VB	
Toluene	16-A	PR-2024	16-APR-2024	VB	
Ethylbenzene	16-A	PR-2024	16-APR-2024	VB	
m & p-Xylene	16-A	PR-2024	16-APR-2024	VB	
o-Xylene	16-A	PR-2024	16-APR-2024	VB	
Xylenes (Total)	16-A	PR-2024	16-APR-2024	SYS	
F1 (C6 to C10)	16-A	PR-2024	16-APR-2024	VB	
F1 (C6 to C10) minus BTEX	16-A	PR-2024	16-APR-2024	SYS	
Toluene-d8	16-A	PR-2024	16-APR-2024	VB	
F2 (C10 to C16)	16-A	PR-2024	16-APR-2024	SS	
F3 (C16 to C34)	16-A	PR-2024	16-APR-2024	SS	
F4 (C34 to C50)	16-A	PR-2024	16-APR-2024	SS	
Gravimetric Heavy Hydrocarbons					
Moisture Content	16-A	PR-2024	16-APR-2024	AA	
Terphenyl	16-A	PR-2024	16-APR-2024	SS	
GS6	Soil	12-	APR-2024	15-APR-2024	
O. Reg. 153(511) - Metals (Including Hydrides	s) (Soil)				
Parameter	, , ,	Prepared	Date Analyzed	I Initials	

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE

5798278



Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description S	Sample Type	Date	e Sampled [Date Received	
5798278	GS6	Soil	12-APR-2024		15-APR-2024	
	O. Reg. 153(511) - Metals (Including Hydrides) (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	Initials	
	Lead	16-APR-	-	16-APR-2024	SE	
	Molybdenum	16-APR-		16-APR-2024	SE	
	Nickel	16-APR-		16-APR-2024	SE	
	Selenium	16-APR-		16-APR-2024	SE	
	Silver	16-APR-	2024	16-APR-2024	SE	
	Thallium	16-APR-		16-APR-2024	SE	
	Uranium	16-APR-	2024	16-APR-2024	SE	
	Vanadium	16-APR-	2024	16-APR-2024	SE	
	Zinc	16-APR-	2024	16-APR-2024	SE	
	O. Reg. 153(511) - ORPs (Soil)					
	Parameter	Date Pre	pared	Date Analyzed	Initials	
	Mercury	16-APR-	•	16-APR-2024	SE	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Date Pre	pared	Date Analyzed	Initials	
	Benzene	16-APR-	•	16-APR-2024	VB	
	Toluene	16-APR-		16-APR-2024	VB	
	Ethylbenzene	16-APR-		16-APR-2024	VB	
	m & p-Xylene	16-APR-		16-APR-2024	VB	
	o-Xylene	16-APR-		16-APR-2024	VB	
	Xylenes (Total)	16-APR-		16-APR-2024	SYS	
	F1 (C6 to C10)	16-APR-		16-APR-2024	VB	
	F1 (C6 to C10) minus BTEX	16-APR-		16-APR-2024	SYS	
	Toluene-d8	16-APR-		16-APR-2024	VB	
	F2 (C10 to C16)	16-APR-		16-APR-2024	SS	
	F3 (C16 to C34)	16-APR-		16-APR-2024	SS	
	F4 (C34 to C50)	16-APR-		16-APR-2024	SS	
	Gravimetric Heavy Hydrocarbons	1071111	2021	10 / 11 12 202 1	00	
	Moisture Content	16-APR-	2024	16-APR-2024	AA	
	Terphenyl	16-APR-		16-APR-2024	SS	
5798279	GS7	Soil	12-	APR-2024	15-APR-2024	
			,			
	O. Reg. 153(511) - Metals (Including Hydrides) (Soil)				
	Parameter	Date Pre	pared	Date Analyzed	Initials	
	Antimony	16-APR-		16-APR-2024	SE	
	Arsenic	16-APR-		16-APR-2024	SE	
	7 11 001 110	10-71-17	_02-	10 / 11 11-2024	OL.	

Barium

SE

16-APR-2024

Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

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5835 COOPERS AVENUE

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

http://www.agatlabs.com

TEL (905)712-5100 FAX (905)712-5122

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5798279	GS7	Soil	12-	APR-2024	15-APR-2024
	O. Reg. 153(511) - Metals (Including Hydrides) Parameter	(Soil) Date Pre	pared	Date Analyze	ed Initials
	Beryllium	16-APR-		16-APR-202	
	Boron	16-APR-		16-APR-202	_
	Cadmium	16-APR-		16-APR-202	
	Chromium	16-APR-		16-APR-202	
	Cobalt	16-APR-		16-APR-202	
	Copper	16-APR-		16-APR-202	
	Lead	16-APR-		16-APR-202	
	Molybdenum	16-APR-		16-APR-202	
	Nickel	16-APR-		16-APR-202	
	Selenium	16-APR-		16-APR-202	
	Silver	16-APR-		16-APR-202	
	Thallium	16-APR-	2024	16-APR-202	4 SE
	Uranium	16-APR-	2024	16-APR-202	
	Vanadium	16-APR-	2024	16-APR-202	4 SE
	Zinc	16-APR-	2024	16-APR-202	4 SE
	O. Reg. 153(511) - ORPs (Soil)				
	Parameter	Date Pre	pared	Date Analyze	ed Initials
	Mercury	16-APR-	2024	16-APR-202	4 SE
	O Dec 450/544) DUO: 54 -54 (Ceil)				
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Data Data		Data Asalas	
	Parameter	Date Pre		Date Analyze	
	Benzene 	16-APR-		16-APR-202	
	Toluene	16-APR-		16-APR-202	
	Ethylbenzene	16-APR-		16-APR-202	
	m & p-Xylene	16-APR-		16-APR-202	
	o-Xylene	16-APR-		16-APR-202	
	Xylenes (Total)	16-APR-		16-APR-202	
	F1 (C6 to C10)	16-APR-		16-APR-202	
	F1 (C6 to C10) minus BTEX	16-APR-		16-APR-202	
	Toluene-d8	16-APR-		16-APR-202	
	F2 (C10 to C16)	16-APR-		16-APR-202	
	F3 (C16 to C34)	16-APR-		16-APR-202	
	F4 (C34 to C50)	16-APR-	2024	16-APR-202	4 SS
	Gravimetric Heavy Hydrocarbons	=		10 177	
	Moisture Content	16-APR-		16-APR-202	
	Terphenyl	16-APR-	2024	16-APR-202	4 SS

Soil

GS8

5798280

15-APR-2024



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

FAX (905)712-5122 http://www.agatlabs.com ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE

MISSISSAUGA, ONTARIO CANADA L4Z 1Y2

TEL (905)712-5100 FAX (905)712-5122

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

Sample ID	Sample Description	Sample Type	Date Sampled	Date Received
5798280	GS8	Soil	12-APR-2024	15-APR-2024

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
			~-
	16-APR-2024 16-APR-2024	16-APR-2024 16-APR-2024	SE SE
Zinc			
Zinc O. Reg. 153(511) - ORPs (Soil)	16-APR-2024	16-APR-2024	SE
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter			SE
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury	16-APR-2024 Date Prepared	16-APR-2024 Date Analyzed	SE Initials
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Date Prepared	Date Analyzed 16-APR-2024	SE Initials SE
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter	Date Prepared 16-APR-2024 Date Prepared	Date Analyzed 16-APR-2024 Date Analyzed	SE Initials SE Initials
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024	SE Initials SE Initials
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024	SE Initials SE VB VB
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB VB VB VB
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB VB VB SYS
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB VB VB VB SYS VB SYS
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024 16-APR-2024	Initials SE Initials VB VB VB VB VB VB VB SYS VB SYS
Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024	Initials VB VB VB VB VB VB SYS VB SYS VB SYS VB
Zinc O. Reg. 153(511) - ORPs (Soil) Parameter Mercury O. Reg. 153(511) - PHCs F1 - F4 (Soil) Parameter Benzene Toluene Ethylbenzene m & p-Xylene o-Xylene Xylenes (Total) F1 (C6 to C10) F1 (C6 to C10) minus BTEX Toluene-d8 F2 (C10 to C16)	Date Prepared 16-APR-2024 Date Prepared 16-APR-2024	Date Analyzed 16-APR-2024 Date Analyzed 16-APR-2024	Initials SE Initials VB VB VB VB VB VB SYS VB SYS VB SSS

16-APR-2024

Moisture Content

AA



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 atlabs.com

		PROJECT: CO884.03		884.03		http://www.ag	
CLIENT NAM	ME: TERRAPEX ENVIRONMENTAL LIN	IITED				ATTENTION TO: Greg Sabourin	nup.//www.ag
Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received		
5798280	GS8	Soil	12-A	NPR-2024	15-APR-2024		
	O. D. v. 450(544). PHO: 54 - 54 (0:1).						
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)	Data Bara		Data Arabasa	1.20.1.		
	Parameter	Date Prep		Date Analyzed			
	Terphenyl	16-APR-2	024	16-APR-2024	SS		
5798281	GS9	Soil	12-A	NPR-2024	15-APR-2024		
	O. Reg. 153(511) - Metals (Including Hydr	ides) (Soil)					
	Parameter	Date Prep	ared	Date Analyzed	d Initials		
	Antimony	16-APR-2	024	16-APR-2024	SE		
	Arsenic	16-APR-2	024	16-APR-2024	SE		
	Barium	16-APR-2	024	16-APR-2024			
	Beryllium	16-APR-2	024	16-APR-2024			
	Boron	16-APR-2	024	16-APR-2024	SE		
	Cadmium	16-APR-2	024	16-APR-2024	SE		
	Chromium	16-APR-2	024	16-APR-2024	SE		
	Cobalt	16-APR-2	024	16-APR-2024			
	Copper	16-APR-2	024	16-APR-2024	SE		
	Lead	16-APR-2	024	16-APR-2024	SE		
	Molybdenum	16-APR-2	024	16-APR-2024	SE		
	Nickel	16-APR-2	024	16-APR-2024			
	Selenium	16-APR-2	024	16-APR-2024	SE		
	Silver	16-APR-2	024	16-APR-2024	SE		
	Thallium	16-APR-2	024	16-APR-2024			
	Uranium	16-APR-2	024	16-APR-2024	SE		
	Vanadium	16-APR-2	024	16-APR-2024	SE		
	Zinc	16-APR-2	024	16-APR-2024	SE		
	O. Reg. 153(511) - ORPs (Soil)						
	Parameter	Date Prep	ared	Date Analyzed			
	Mercury	16-APR-2	024	16-APR-2024	SE		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)						
	Parameter	Date Prep	ared	Date Analyzed	d Initials		
	Benzene	16-APR-2	024	16-APR-2024	VB		
	Toluene	16-APR-2	024	16-APR-2024	VB		
	Ethylbenzene	16-APR-2	024	16-APR-2024			
	m & p-Xylene	16-APR-2	024	16-APR-2024	VB		
	o-Xylene	16-APR-2	024	16-APR-2024	VB		
	Xylenes (Total)	16-APR-2	024	16-APR-2024			

F1 (C6 to C10)

F1 (C6 to C10) minus BTEX

VΒ

SYS

16-APR-2024

16-APR-2024

16-APR-2024



Time Markers

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received	
5798281	GS9	Soil 12		APR-2024	15-APR-2024	
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)					
	Parameter	Date Pr	epared	Date Analyze	d Initials	
	Toluene-d8	16-APF	R-2024	16-APR-2024	VB	
	F2 (C10 to C16)	16-APF	R-2024	16-APR-2024	SS	
	F3 (C16 to C34)	16-APF	R-2024	16-APR-2024	SS	
	F4 (C34 to C50)	16-APF	R-2024	16-APR-2024	SS	
	Gravimetric Heavy Hydrocarbons					
	Moisture Content	16-APF	R-2024	16-APR-2024	AA	
	Terphenyl	16-APF	R-2024	16-APR-2024	SS	
5798282	GS10	Soil	12- <i>A</i>	APR-2024	15-APR-2024	

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

	(- · /		
Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Mercury	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - PHCs F1 - F4 (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials
Benzene	16-APR-2024	16-APR-2024	VB
Toluene	16-APR-2024	16-APR-2024	VB



Time Markers

AGAT WORK ORDER: 24Z139245

15-APR-2024

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received
5798282	GS10	Soil	12-A	NPR-2024	15-APR-2024
	0.0. 450(544) 0.00 54 54 (0.0)				
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)				
	Parameter	Date Pre	pared	Date Analyze	ed Initials
	Ethylbenzene	16-APR-	2024	16-APR-2024	4 VB
	m & p-Xylene	16-APR-	2024	16-APR-202	4 VB
	o-Xylene	16-APR-	2024	16-APR-2024	4 VB
	Xylenes (Total)	16-APR-	2024	16-APR-2024	4 SYS
	F1 (C6 to C10)	16-APR-	2024	16-APR-2024	4 VB
	F1 (C6 to C10) minus BTEX	16-APR-	2024	16-APR-2024	4 SYS
	Toluene-d8	16-APR-	2024	16-APR-2024	4 VB
	F2 (C10 to C16)	16-APR-	2024	16-APR-2024	4 SS
	F3 (C16 to C34)	16-APR-	2024	16-APR-2024	4 SS
	F4 (C34 to C50)	16-APR-	2024	16-APR-2024	4 SS
	Gravimetric Heavy Hydrocarbons				
	Moisture Content	16-APR-	2024	16-APR-2024	4 AA
	Terphenyl	16-APR-	2024	16-APR-2024	4 SS

Parameter	Date Prepared	Date Analyzed	Initials
Antimony	16-APR-2024	16-APR-2024	SE
Arsenic	16-APR-2024	16-APR-2024	SE
Barium	16-APR-2024	16-APR-2024	SE
Beryllium	16-APR-2024	16-APR-2024	SE
Boron	16-APR-2024	16-APR-2024	SE
Cadmium	16-APR-2024	16-APR-2024	SE
Chromium	16-APR-2024	16-APR-2024	SE
Cobalt	16-APR-2024	16-APR-2024	SE
Copper	16-APR-2024	16-APR-2024	SE
Lead	16-APR-2024	16-APR-2024	SE
Molybdenum	16-APR-2024	16-APR-2024	SE
Nickel	16-APR-2024	16-APR-2024	SE
Selenium	16-APR-2024	16-APR-2024	SE
Silver	16-APR-2024	16-APR-2024	SE
Thallium	16-APR-2024	16-APR-2024	SE
Uranium	16-APR-2024	16-APR-2024	SE
Vanadium	16-APR-2024	16-APR-2024	SE
Zinc	16-APR-2024	16-APR-2024	SE
O. Reg. 153(511) - ORPs (Soil)			
Parameter	Date Prepared	Date Analyzed	Initials

Soil

12-APR-2024

GS11

5798283



AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

ATTENTION TO: Greg Sabourin

Sample ID	Sample Description	Sample Type	Date	Sampled	Date Received		
5798283	GS11	Soil	12-	APR-2024	15-APR-2024		
	O Dec 450(544) ODDs (Cail)						
	O. Reg. 153(511) - ORPs (Soil)	Data Das		Data Analysis	مامندنمام		
	Parameter	Date Pre		Date Analyze			
	Mercury	16-APR-	2024	16-APR-2024	SE		
	O. Reg. 153(511) - PHCs F1 - F4 (Soil)						
	Parameter	Date Pre	pared	Date Analyze	d Initials		
	Benzene	16-APR-	2024	16-APR-2024	VB		
	Toluene	16-APR-	2024	16-APR-2024	VB		
	Ethylbenzene	16-APR-	2024	16-APR-2024	VB		
	m & p-Xylene	16-APR-	2024	16-APR-2024	VB		
	o-Xylene	16-APR-	2024	16-APR-2024	VB		
	Xylenes (Total)	16-APR-	2024	16-APR-2024	SYS		
	F1 (C6 to C10)	16-APR-	2024	16-APR-2024	VB		
	F1 (C6 to C10) minus BTEX	16-APR-	2024	16-APR-2024	SYS		
	Toluene-d8	16-APR-	2024	16-APR-2024	VB		
	F2 (C10 to C16)	16-APR-	2024	16-APR-2024	SS		
	F3 (C16 to C34)	16-APR-	2024	16-APR-2024	SS		
	F4 (C34 to C50)	16-APR-	2024	16-APR-2024	SS		
	Gravimetric Heavy Hydrocarbons						
	Moisture Content	16-APR-	2024	16-APR-2024	AA		

16-APR-2024

Terphenyl

16-APR-2024

SS

5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

PROJECT: CO884.03 SAMPLING SITE:5650 Manotick Main Street AGAT WORK ORDER: 24Z139245 ATTENTION TO: Greg Sabourin SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Mercury	MET-93-6103	modified from EPA 7471B and SM 3112 B	ICP-MS



5835 COOPERS AVENUE MISSISSAUGA, ONTARIO CANADA L4Z 1Y2 TEL (905)712-5100 FAX (905)712-5122 http://www.agatlabs.com

Method Summary

CLIENT NAME: TERRAPEX ENVIRONMENTAL LIMITED

AGAT WORK ORDER: 24Z139245

PROJECT: CO884.03

ATTENTION TO: Greg Sabourin

SAMPLING SITE:5650 Manotick Main Street

SAMPLED BY:E. Boonstra

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis		·	
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

AGAT Laboratories

Have feedback?





Laboratory Use Only Work Order #: 242139245

Chain of C	custody Record	If this is a I	Orinking Water s	sample, plea	se use Drini	E11-11-	Custody Form (potab	ole water	consum	ed by h	numans)			A	rrival -		atures:	(0.	0 (2 - 4	1 4	8
Report Inform	n ation: Terrapex				Reg (Please	gulatory Requ	irements:							c		y Seal Ir	ntact:	Y	'es	1	No	ØN/A
Contact:	Greg Sabourin				IX Re	egulation 153/04	Regulation 406	3	Sev									- 4				
Address:	1-20 Gurdwara Road		_ Ta	hie Z	Table			anitar	/ 🗆 8	torm	-	Tu	rna	round	Tim	e (TA	T) Red	luired	i :			
	Ottawa, ON K2E 8B3					Ind/cate One	Ind/Com		-	Regi	on	-		Re	gula	r TAT		□ :	5 to 7 Bu	ısiness i	Days	
Phone:	613-745-6471 Fax:			Res/Park Agriculture	Res/Park Agriculture				er Qua			Ru	sh T	AT (Rush	Surchar	ges Apply)						
Reports to be sent to: 1. Email:	g.sabourin@terrapex.com				Soil T	exture (Check One)	Regulation 558	3	Obj		s (PWC	(O)				3 Busin Days	ess		2 Busine Davs	:ss	Next Day	Busines
2, Email:						Fine	CCME			Indica	te One	_	-			-	e Requ		•		May Apply	
Project Inform					Is th	is submission			eport rtifica						-	Plea	se pro	vide pri	or notific	ation fo	r rush TAT	-
Project:	CO884.03							-	2			No			*						utory holi	
Site Location:	5650 Manotick Main Street E. Boonstra				- 1125	Yes	No	JE	Yes		П	140			For 'S	Same Da	ay' ana	alysis, p	lease co	ontact y	our AGAT	CSR
Sampled By:	17116440659 - So 2024				- -			10	0	. Reg 1	.53			C). Reg	406	O. Reg 558					2
AGAT Quote #:	Please note: If quotation number is r	PO: not provided, client will	be billed full price for a	analysis.	- Leg	al Sample 🗌		crvi, Doc			1	11		age		300	88					(X
Invoice Inform Company: Contact: Address: Email:	mation: Terrapex accounts.payable@terrapex		II To Same: Ye	s☑ No □	San GW O P S	Ground Water SOil SPaint R	D Sediment W Surface Water	Field Filtered - Metals, Hg, C	s & Inorganics	s - □ Crvi X Hg, □ HWSB	F1-F4 PHCs		PCBs: Aroclors	Regulation 406 Characterization Package	AR AR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	III Disposal Characterization TCLP: □ M&I □ VOCs □ ABNs □ B(a)P □ Pcd	ığı: 🗆				ally Hazardous or High Concentra
Samp	le Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix		ments/ Instructions	Y/N	Metals	Metals -	втех,	VOC PAHs	PCBs:	Regulation of Metals	EC, SAR	Regulation 4 mSPLP:□N	Landfill I	Corros				Potenti
1. 651		Apr: 2/24	14:00 AM	3	S			N	8	X	X											
2. 652	,		17:05PM	3	5			N	18	X	X											
3. 653			14:16 AM		5			N	2	X	X			1		P						
4. 654			14:15 AM		5			N	2	X	X											
5. 655			14:20 AM		5			W.	40	X	X											
6. 656			14.25AN		5			N	12	X	X											
7.			14:30PM		5			N	矣	V	X											
8. 658			14.35AN		5			N	易	V	X											
9. 659			14:40		5			N	2	V	X											
10. 65%	***	4)4.50AN	3	1.5			N	3	V	X				T							
11. 6511		(1)	14:50	3	5			n	3	X	X											
Samples Relinquished By (Re	int Name and Sign):	M	Pate Apr 15	/24 Time	14:00	Segrotos Repaived By (I	Fint Name and Sign)	5		, .	*	(PC	15/2	24	3h	37			į		
Samples Relinquished By (Pr			Date US	24 15 Time	hoo	Samples Received By (I	mit Name and Sign)					A	Date Date	14	9	8.	28	12	Page	-1	of	-