



#### **REPORT**

November 2025 Ambient Air Monitoring Report Rain Carbon Canada Inc.

Submitted by:

Rain Carbon Canada Inc.

725 Strathearne Avenue North Hamilton, Ontario L8H 5L3

December 2025

## **Distribution List**

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#### 1.0 INTRODUCTION

Rain Carbon Canada Inc. (Rain Carbon) is required to prepare monthly written summary reports of benzo(a)pyrene [B(a)P] and benzene ambient monitoring measurements for the coal tar and petroleum material processing plant located at 725 Strathearne Avenue N., Hamilton, Ontario (the Facility). This is the eighty fifth monthly report submitted as part of the Rain Carbon ambient monitoring program and summarizes the measurements taken in November 2025.

The ambient air monitoring measurements for November 2025 follow the December 12, 2019, Monitoring Plan for B(a)P and Benzene (the Plan) approved by the Ontario Ministry of the Environment, Conservation and Parks (MECP) on December 20, 2019. A copy of the Plan has been provided in Appendix A.

Rain Carbon operates the fence line monitors for benzene and B(a)P at the East, North, South, New West, and Old West environmental monitoring stations. Rain Carbon also conducts monitoring for benzene and B(a)P monitoring off site at the HAMN station 29164.

This report includes the following information for measurements taken in November 2025:

- Identification of each location at which a measurement was taken.
- For each location, the concentration of each measurement taken.
- The date and time each measurement was taken.

#### 2.0 AMBIENT MONITORING STATIONS

The monitoring program consists of setting up two types of sampling systems at five locations at the Facility. The two sampling systems included the polyurethane foam (PUF) polyaromatic hydrocarbon (PAH) sampling system for B(a)P and the SUMMA volatile organic carbon (VOC) canister sampling system for benzene. Samples were collected over a 24-hour period. The monitoring stations are listed below, and their locations are shown in Figure 1.

**Table 1: Rain Carbon Ambient Air Quality Monitoring Stations** 

Station Location	Height Above Grade (m)
North - Tank 91	4.1
East - South of Tank-36	3.4
South - Berm	3.2
New West – West Fence line at Railcar Track 2 Spot 10.	4.0
Old West - Tank-77 Platform	13.0
Hamilton Area Monitoring Network (HAMN) Station 29164	4.0

The South berm monitor is placed just over two metres above grade by the berm located on the south side of the Facility as shown in Figure 2. The Old West monitor at Tank 77 is placed on the upper platform located on the west side of the Facility as shown in Figure 3. The platform is approximately 13 metres above grade. As shown in Figure 4, the North monitor is located at the north fence line, north of Tank 91, and placed 4.1 metres above grade and at least 2 metres away from any structure. The East monitor is at the east fence line, south of Tank 36, with an inlet height of 3.4 metres above grade. The New West monitor is located at the west fence line on a new dedicated stand-alone platform at approximately 4 metres above grade.

Air quality data acquisition and instrument performance were conducted by Rain Carbon Canada Inc. personnel, and the laboratory analysis was conducted by Bureau Veritas Laboratories, which is ISO1702 compliant and accredited. The following supporting documents are provided:

- Laboratory Analysis in Appendix B;
- Chain of custody forms in Appendix C;
- Laboratory Certificates of Analysis in Appendix D; and
- Field notes in Appendix E.



**Figure 1: Monitor and Source Locations** 



Figure 2: Monitor Location on the South Side of the Facility



Figure 3: Monitor Locations on the West Side of the Facility



Figure 4: Monitor Locations on the North Side and East Side of the Facility

#### 3.0 SUMMARY OF MONITORING EQUIPMENT CONDITIONS

The laboratory Certificate of Analysis for each monitoring event includes information on the volume of the sample collected for the PUF (B(a)P) monitoring system, and the residual vacuum pressures for the SUMMA canisters (benzene) monitoring equipment. For the PUF system, the MECP has flow requirements of 8 CFM +/- 10% which is equivalent to total volumes between 293.6 m³ and 358.8 m³ over 24 hours. The summa canister pressures on receipt and PUF filter total volumes are presented below in Tables 2 and 3.

For the November 2025 B(a)P monitoring results, all the recorded PUF volumes were inside the MECP specified range of between 293.6 m<sup>3</sup> and 358.8 m<sup>3</sup> over 24 hours.

All the summa canister pressures on receipt were within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg except for at the north VOC monitor on the **Sunday November 9 and Friday November 21, 2025, MECP monitoring events** and at the old west VOC monitor on the **Friday November 21, 2025, MECP monitoring event.** 

The north VOC monitor recorded a summa canister pressures on receipt of -29.2 inches Hg on the **Sunday November 9, 2025, MECP monitoring event** likely due an internal valve failure in the north VOC sampler timer.

The north VOC monitor was then repaired, serviced and calibrated by Rotek Inc. on **Thursday November 21, 2025**; however, this repair was unsuccessful as we recorded a summa canister pressure on receipt of 24.2 inches Hg on the **Friday November 21, 2025**, **MECP monitoring event** likely due a blockage in the internal valve in the north VOC sampler timer.

Fortunately, a **separate north VOC monitor stand- alone unit** make up sample had been set up to operate on the **November 22, 2025, North Monitor Additional monitoring event** (makeup sample) which was a successful sample. The north VOC sampler timer and monitor was then repaired, serviced and calibrated by Rotek Inc. again on **Thursday November 27, 2025,** prior to the successful **Saturday November 29, 2025, North Monitor Additional monitoring event.** 

The old west VOC monitor recorded a summa canister pressures on receipt of -29.2 inches Hg on the **Friday November 21, 2025, MECP monitoring event** likely due an internal valve in the north VOC sampler timer failing to open. The old west VOC sampler timer was then repaired, serviced and calibrated by Rotek Inc. prior to the successful **November 26, 2025, Old West Monitor Additional monitoring event.** 

Table 2: Summa Canister Pressures on Receipt (inches Hg)

Monitoring Event	Benzene	SUMMA Cani (incl				
Date	East	North	Old West	South	New West	HAMN STN 29164
November 9	- 9.57	-29.2**	- 4.28*	- 4.07*	- 7.74	- 8.14
November 21	- 8.96	- 24.2**	- 29.2**	- 3.66*	- 6.31	-7.74
November 22 North Monitor Additional Monitoring Event	-	- 5.29	-	-	-	-
November 26 Old West Monitor Additional Monitoring Event	-	-	- 7.94	-	-	-
November 29 North Monitor Additional Monitoring Event	-	- 4.89*	-	-	-	-

<sup>\*</sup>Sample is acceptable as within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg but outside the MECP recommended pressure on receipt range of - 5 to -10 inches Hg.

<sup>\*\*</sup> Sample is invalid as the Summa canister pressure on receipt was outside the MECP acceptable range of -1.6 to -13.4 inches Hg.

**Table 3: PUF Filter Total Volumes** 

Manitonia		+				
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
November 9	323.8	318.7	319.9	300.2	314.9	331.9
November 21	313.6	329.6	302.7	300.0	318.4	337.9

#### **4.0 SUMMARY OF BENZENE MEASUREMENTS**

Table 4: Summary of November 2025 Benzene Measurements

		Mea				
Monitoring Event  Date	East	North	Old West	South	New West	HAMN STN 29164
November 9	4.27	Invalid sample**	0.573*	7.65*	< 0.319	< 0.319
November 21	8.26	Invalid sample**	Invalid sample**	1.19*	2.20	1.53
November 22 North Monitor Additional Monitoring Event	-	4.93	-	-	-	•
November 26 Old West Monitor Additional Monitoring Event	-	-	10.4	-	-	•
November 30 North Monitor Additional Monitoring Event	-	2.05*	-	-	-	-

<sup>\*</sup>Sample is acceptable as within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg but outside the MECP recommended pressure on receipt range of - 5 to -10 inches Hg.

Two sets of valid benzene measurements at each monitor were taken in November 2025. The measurements range from < 0.319  $\mu g/m^3$  to 10.4  $\mu g/m^3$  benzene, with the highest value being detected at the old west monitor during the Wednesday November 26, 2025, Additional Old West Monitor monitoring event.

All the benzene concentrations measured during the November 2025 MECP monitoring events were below the 24-hour Upper Risk Threshold (URT) of 100 µg/m<sup>3</sup> benzene.

<sup>\*\*</sup> Sample is invalid as the Summa canister pressure on receipt was outside the MECP acceptable range of -1.6 to -13.4 inches Hg.

#### 5.0 SUMMARY OF B(a)P MEASUREMENTS.

Table 5: Summary of November 2025 B(a)P Measurements.

Manitoning		Me				
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
November 9	< 0.00031	< 0.00031	0.00056	< 0.00033	< 0.00032	< 0.00030
November 21	0.00070	0.00109	0.00086	< 0.00033	0.00107	< 0.00030

Two sets of B(a)P measurements were taken in November 2025. The B(a)P measurements ranged from <  $0.00030 \,\mu\text{g/m}^3$  to  $0.00109 \,\mu\text{g/m}^3$  B(a)P, with the highest value being detected at the **north monitor** during the **Friday November 21, 2025, monitoring event**. All the B(a)P measurements are summarized in Table 5 above, and copies of the laboratory analysis reports are provided in Appendix B.

All the B(a)P concentrations measured during the two November 2025 monitoring events were below the  $0.0043 \mu g/m^3$  Measured Level Threshold (MLT) and below the 24-hr Upper Risk Threshold (URT) of  $0.0050 \mu g/m^3$  B(a)P.

#### 6.0 CONCLUSIONS

All the B(a)P concentrations measured during the two November 2025 monitoring events were below the  $0.0043 \mu g/m^3$  Measured Level Threshold (MLT) and below the 24-hr Upper Risk Threshold (URT) of  $0.0050 \mu g/m^3$  B(a)P.

All the benzene concentrations measured during the two November 2025 MECP monitoring events were below the 24-hour Upper Risk Threshold (URT) of  $100 \mu g/m^3$  benzene.

All the summa canister pressures on receipt were within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg except for at the north VOC monitor on the **Sunday November 9 and Friday November 21, 2025, MECP monitoring events** and at the old west VOC monitor on the **Friday November 21, 2025, MECP monitoring event.** 

The north VOC monitor recorded a summa canister pressures on receipt of -29.2 inches Hg on the **Sunday November 9, 2025, MECP monitoring event** likely due an internal valve in the north VOC sampler timer failing to open.

The north VOC monitor was then repaired, serviced and calibrated by Rotek Inc. on **Thursday November 21, 2025**; however, this repair was unsuccessful as we recorded a summa canister pressure on receipt of -24.2 inches Hg on the **Friday November 21, 2025**, **MECP monitoring event** likely due a blockage in the internal valve in the north VOC sampler timer.

Fortunately, a **separate north VOC monitor stand- alone unit** make up sample had been set up to operate on the **November 22, 2025, North Monitor Additional monitoring event** which was a successful sample.

The north VOC sampler timer and monitor was then repaired, serviced and calibrated by Rotek Inc. again on **Thursday November 27, 2025**, prior to the successful **Saturday November 29, 2025**, **North Monitor Additional monitoring event**.

The old west VOC monitor recorded a summa canister pressures on receipt of -29.2 inches Hg on the **Friday November 21, 2025, MECP monitoring event** likely due an internal valve in the north VOC sampler timer failing to open. The old west VOC sampler timer was then repaired, serviced and calibrated by Rotek Inc. prior to the successful **November 26, 2025, Old West Monitor Additional monitoring event.** 

## Signature Page

Robin Kart

Robin S. Hart P.Eng.

**Environmental Engineer** 

Rain Carbon Canada Inc.



# APPENDIX A Monitoring Plan





#### **REPORT**

## Monitoring Plan for Benzo(a)pyrene and Benzene Rain Carbon Canada Inc.

Submitted to:

**Distribution List** 

Submitted by:

Rain Carbon Canada Inc.

725 Strathearne Ave. N Hamilton, ON L8H 5L3

September 2020

## **Distribution List**

- 1 PDF Copy MECP, SDB, Toronto
- 1 PDF Copy MECP, Hamilton District Office, Hamilton
- 1 PDF Copy Golder Associates.

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#### **APPENDIX A**

Site Photos

#### 1.0 INTRODUCTION

Rain Carbon Canada Inc. (Rain Carbon) prepared an amendment to the monitoring plan (the Plan) which was approved by the Ontario Ministry of Environment, Conservation and Parks (MECP) in November 2019 as part of the conditions of the Site-Specific Standard (SSS) approvals for B(a)P (no. 201-17-rv0) and benzene (no. 202-17-rv0) issued to the Facility on November 21, 2017.

This updated Plan has been prepared to incorporate the fact that the north, east and west monitoring stations have now all been relocated as described in the Plan issued in November 2019 and are now all operational.

(The Plan describes the current air monitoring program performed to monitor concentrations of B(a)P and benzene emissions from the Facility).

#### 1.1 Description of the Facility

Rain Carbon operates a coal tar and petroleum material processing plant located at 725 Strathearne Avenue N., Hamilton, Ontario. The Facility employs 85 people. The size of the plant is about 14 acres and it is in an area zoned for industrial use. The location of the Facility is presented in Figure 1 – Site Location Plan.

#### 1.2 Description of the Process

Rain Carbon processes coal tar and petroleum-based materials into products. The primary production line is to manufacture coal tar pitch and coal tar distillates (CTDs) by processing coal tar. The process is comprised of the following processes and equipment:

- Coal Tar Handling;
- Distillation Process;
- Product Storage Handling;
- Natural Gas Combustion Equipment;
- Fume Gathering and Incineration (FGI) System;
- Fume Scrubber System (FSS); and
- Wastewater Collection and Treatment.

#### 1.3 Operating Schedule

The Facility operates continuously 24 hours a day, seven days a week and 52 weeks per year.

#### 2.0 AIR QUALITY MONITORING PROGRAM

#### 2.1 Sampling Systems and Methodology

As B(a)P and benzene require different sampling methods, two types of sampling systems will be installed at each monitoring location (described below in Section 2.2). A PUF PAH sampling system will be used to detect condensable and non-condensable fractions of B(a)P while a VOC canister system will be used to detect benzene.

Samples will be taken over 24-hour period every 12 days. This schedule will be matched to that of the Hamilton Air Monitoring Network (HAMN) to enable comparisons with background B(a)P and benzene levels.

Monitoring will be carried out in accordance with the standard procedures summarized in Table 2.1.

**Table 2.1: Standard Operation Procedures for Monitoring** 

Pollutant	Reference Documents	Method
Benzene	USEPA Report EPA/625/R-96/010/b, USEPA Method TO-15. ASTM Method D5466-01 Standard Test Method for the Determination of VOCs (Canister Sampling Method) Environment Canada SOP for Passive Canister Sampling – Passive FCSOP05.	Determination of VOCs in Air Collected in Specially Prepared Canister.
B(a)P	SEPA Report EPA/625/R-96/010/b, USEPA Method TO-13A. ASTM Method D6209-98 (2004), Vol. 11.07 A Guide to Air Filter (TSP and PM¬10) Sampling and Submission, Ministry of the Environment, Conservation and Parks, May 2003.	Determination of PAHs in Ambient Air Using the hi-vol Method with Teflon-coated Glass Fiber Filter and Sorbent Cartridge; Quantitative GC/MS Detection.

Rain Carbon worked with Rotek Environmental Inc. (Rotek) and others to install the monitoring equipment. Samples are collected by Rain Carbon staff and sent to an accredited laboratory for analysis. Rain Carbon will prepare the monitoring reports as required by the orders.

#### 2.1.1 Calibration

Calibrations will be carried out in accordance with MECP standard operating procedures stating that operators must perform an external performance check and calibration on continuous and non-continuous air monitoring and sampling equipment with a certified calibration unit. This requires that the calibration materials/gases and measurement devices, such as flow meters and pressure gauges, must be certified for accuracy against a reference or transfer standard traceable to a primary reference standard of the United States National Institute of Standards and Technology (NIST) or another equivalent international standards institute. This is to ensure consistency across the province and reproducibility. Calibration devices must also undergo an annual certification assessment.

The monitoring equipment is calibrated by Rotek.

#### 2.2 Monitor Locations

The monitoring locations were selected based on input from the MECP. Based on experience gained through implementing the monitoring program, Rain Carbon relocated the original North, East, and West Monitoring Stations but not the South Monitoring Station. The descriptions of the monitoring station locations are summarized in Table 2.2 below. The monitoring station locations are shown in Figure 2.

**Table 2.2: Monitoring Station Locations.** 

Monitoring Station	Location
North Monitor	This location is at the north fence line, north of Tank 91, with the inlet at an elevation of between 3 m and 15 m above grade and positioned at a distance of at least 2 m away from any structure.
East Monitor	This location is at the east fence line and east of Tank 36 with the inlet at a distance equal or greater than 2 m away from a structure and at an elevation of between 3 m and 15 m above grade.
Old West Monitor	This old west location, approximately 8 metres east of the property boundary, is on a platform above Tank 77 (approximately 13 above grade) is currently located relatively close to and above the railcar loading stations.
New West Monitor	This new west location is closer to ground level to be consistent with the other monitor locations, between the west fence line and the rail tracks, and north of the railcar track 2 spot 10 area with the inlet at an elevation of between 3 m and 15 m above grade and positioned far from any structure.
South Monitor	This location is at the south fence line, south of Tank 3, with the inlet at an elevation of between 3 m and 15 m above grade and positioned at a distance of at least 2 m away from any structure.

Detailed descriptions of the emission sources at the Facility are summarized in the Monitoring Plan approved by the MECP in April 2018.

#### 2.2.1 Siting Criteria

A comparison of each monitoring location against the siting criteria set out in the MECP Operations Manual is provided in Table 2.3 below.

**Table 2.3: Monitor Locations Comparison to MECP Siting Criteria.** 

				Monitor Location			
Contaminant	Criteria	North	East	Old West	New West	South	
B(a)P and Benzene	Inlet height 3 to 15 m above grade	Inlet 3 to 15 m above grade  Inlet 3 to 15 m above grade		Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	
B(a)P and Benzene	Inlet at least 1 m (vertical) and 2 m (horizontal) away from structure	Yes	Yes	Yes	Yes	Yes	
B(a)P and Benzene	No nearby furnace or incineration flues	r None None		None	None	None	
B(a)P	Avoids nearby non-process PAH sources (asphalt rooftops, rooftop tarring and roadway/parking lot paving activities) and smoking areas	Yes	Yes Yes		Yes	Yes	
Benzene	ene Meets minimum separation distance from roadway (10 m)		Yes	Yes	Yes	Yes	

#### 2.3 Meteorological Data and Background Concentrations

The HAMN is used to document meteorological conditions during monitoring events. The previous closest meteorological station to the Facility was station STN29165; however, this station has not been operational since November 1, 2017. Meteorological conditions will be documented using the following nearby HAMN stations: STN29102, STN29180, and STN29565. When conditions are highly variable, the following stations may also be used to document meteorological conditions: STN29167, STN29171, and STN29567.

The background benzene and B(a)P concentrations in the vicinity of the Facility will be reviewed to evaluate the potential impact of nearby sources of emission on the Facility. Rain Carbon will use data from nearby HAMN monitoring stations, prepared by HAMN on a quarterly basis. The HAMN stations to be used

to inform background concentrations include the following HAMN stations: STN29567, STN29547, STN29102 and STN29180. Information on these stations is presented in Table 2.4.

**Table 2.4: Meteorological Station Information** 

HAMN Station	29567	29180	29547	29102	29167	29171	29565
Wind Speed and Direction	✓	✓	1	✓	<b>✓</b>	✓	<b>√</b>
B(a)P Concentration	✓	✓	✓	_		_	
Benzene Concentration	✓	✓	_	✓	_	_	_
Approximate Distance from Facility [km]	3.9	2.4	1.0	1.5	1.7	2.3	1.3
Orientation from Facility	W	wsw	N	NNE	NNW	WNW	S

The background data assessment will be used to provide context for the Rain Carbon monitoring results should high values be measured. Please note that background values will not be subtracted from the Rain Carbon monitoring results.

#### 2.4 Laboratory Analysis

Rain Carbon will continue to work with the same accredited laboratories that have been retained to analyse samples obtained from the HAMN. The proposed method detection limits and analytical methods are summarized below in Table 2-5.

**Table 2.5: Analytical Methodology** 

Contaminant	Methodology	Method Detection Limit
B(a)P	Gas chromatography mass spectrometry	0.0001 μg/m³ (0.1 ng/m³)
Benzene	Mass spectrometry or other detector(s) such as flame ionization detector (FID) or electron capture detector (ECD)	0.16 μg/m³

#### 2.5 Review of Monitoring Locations

As fees for monitoring equipment rental and/or purchase, sampling materials and laboratory analysis represent a significant, long-term capital expense, Rain Carbon will continue to review the effectiveness and value of each monitoring location. In consultation with the District Manager and the Environmental Monitoring Team, Rain Carbon will propose if any of the monitors can be removed.

#### 3.0 REPORTING

Summary reports of B(a)P and benzene monitoring results will be submitted to the District Manager and the Environmental Monitoring Team as set out in the SSS approval documents.

#### 3.1 Measured Level Threshold

Within 30 days of a B(a)P concentration measuring above the Measured Level threshold in the SSS approval, Rain Carbon will submit a report to the District Manager and SDB Director. The report will contain information such as an analysis of the cause of the measurement above the Measured Level threshold, the Facility production rate at the time and other items as required by Condition 2 of the B(a)P SSS approval.

#### 4.0 CLOSURE

This monitoring plan describes the amended air monitoring program that will be performed in accordance with the Rain Carbon SSS approvals for B(a)P and benzene.

Signature Page

R.S. Slant

Robin S. Hart P.Eng.

**Environmental Engineer** 

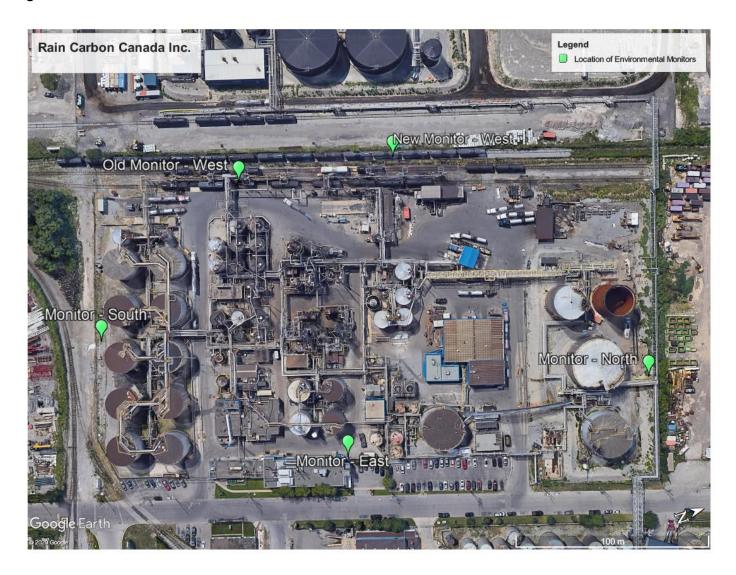
Rain Carbon Canada Inc.

## **Figures**

Figure 1: Site Plan



**Figure 2: Environmental Monitor Locations** 



#### **APPENDIX A**

## Site Photos

Figure A1: Site-Wide Aerial View 1



Figure A2: Site-Wide Aerial View 2



Figure A4: Aerial View 2 – North Monitoring Station.





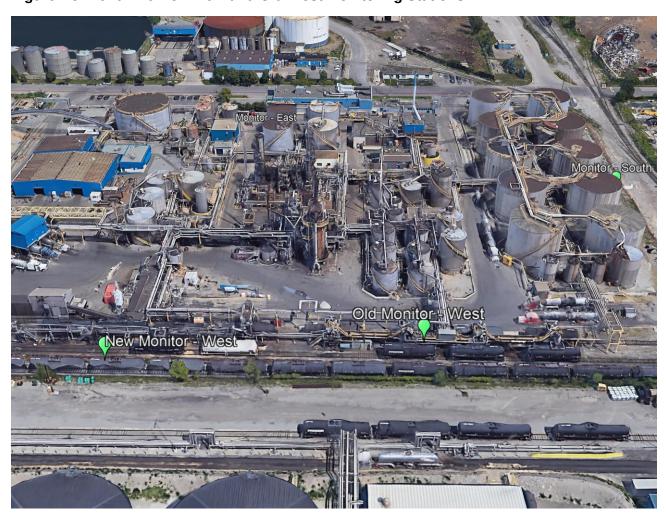
North monitor

Figure A3: Aerial View 1 – Existing South Monitoring Station

South

Google Earth

Figure A3: Aerial View 3 – New and Old West Monitoring Stations





**New West Monitor** 

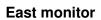




Figure A4: Aerial View 4 – East Monitoring Station

**APPENDIX B** 

**Laboratory Analysis** 

## Rain Carbon Canada Inc. - Monthly BaP Sampling Report

**Reporting Period**: November 2025

Sampling Methods : CARB429(ARBM1,M2) mod

Sampling Times : 24-hour duration starting at 00:00 EST on the Sample Date

Parameter
Units
Analytical RDL
Annual Site-Specific Standard

ВаР
ng/m³
0.315
0.8

Sample Date
November 9, 2025
November 21, 2025

Location					
East	North	Old West	South	New West	STN29164
0.155	0.155	0.56	0.165	0.16	0.15*
0.70	1.09	0.86	0.155	1.07	0.15*

Monthly Ave
Monthly Max
Monthly Min
No. of Samples > Standard
No. of Valid Samples
% Valid Data

0.43	0.62	0.78	0.165	0.615	0.15*
0.70	1.09	0.86	0.165	1.07	0.15*
0.155	0.155	0.70	0.165	0.16	0.15*
0	1	1	0	1	0*
2	2	2	2	2	2*
100	100	100	100	100	100*

\*These results alone follow Rotek reporting protocol.\*\* Invalid sample as the total PUF volumes recorded were under the minimum volume requirement of 293.6 m<sup>3.\*\*</sup> Sample not obtained as no power to the PAH monitor. **Note:** All non detectable results reported as ½ the Reportable Detection Limit (RDL).

Comments:			

# Rain Carbon Canada Inc. - VOC Sampling Report

**Reporting Period** : November 2025 **Sampling Methods** : GC/MS (TO15)

Sampling Times : 24-hour duration starting at 00:00 EST on the Sample Date

Parameter
Units
Analytical RDL
Annual Site-Specific Standard

Benzene
μg/m³
0.319
12.7

Sample Date
November 9, 2025
November 21, 2025
November 22, 2025 North Monitor
Additional Monitoring Event
November 26, 2025 Old West Monitor
Additional Monitoring Event
November 30, 2025 North Monitor
Additional Monitoring Event

Location					
East	North Old West South New West STN2910				
4.27	Invalid sample	0.573	7.65	0.16	0.16*
8.26	Invalid sample	Invalid sample	1.19	2.20	1.53*
-	4.93	-	-	-	-
-	-	10.4	-	-	-
-	2.05	-	-	-	-

Monthly Ave
Monthly Max
Monthly Min
No. of Samples >Standard
No. of Valid Samples
% Valid Data

6.265	3.49	5.49	4.42	1.18	0.845*
8.26	4.93	10.4	10.4 7.65 2.20		1.53*
4.27	2.05	0.573	1.19	0.16	0.16*
0	0	0	0	0	0*
2	2	2	2	2	2*
100	100	100	100	100	100*

<sup>\*</sup>These results alone follow Rotek reporting protocol. **Note:** All non detectable results reported as ½ the Reportable Detection Limit (RDL).

Comments:			

### Rain Carbon Canada Inc. - Monthly BaP Sampling Report

Reporting Period : November 2025

Sampling Method : CARB429(ARBM1,M2) mod

Sampling Times : 24 hour duration starting at 00:00 EST on the Sample Date

Parameter	ВаР
Units	ng/m³
Analytical RDL	0.315
Annual Site Specific Standard	0.8

Sample Date	Location								
Sample Date	East	North	Old West	South	New West	STN29164			
09-Nov-25						0.15			
21-Nov-25						0.15			
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.15			
Monthly Max	0.00	0.00	0.00	0.00	0.00	0.15			
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.15			
No. of Samples >Standard	0	0	0	0	0	0			
No. of Valid Samples	0	0	0	0	0	2			
% Valid Data	0	0	0	0	0	100			

 $\textbf{Note:} \ \textbf{All non detectable results reported as } 1 \!\!\! \ \text{$\frac{1}{2}$ the Reportable Detection Limit (RDL).}$ 

Comments

### Rain Carbon Canada Inc. - VOC Sampling Report

**Reporting Period** : November 2025 **Sampling Methods** : GC/MS (TO15)

Sampling Times : 24 hour duration starting at 00:00 EST on the Sample Date

Parameter	Benzene
Units	ug/m³
Analytical RDL	0.319
Site Specific Standard	12.7

Sample Date	Location								
Sample Date	East	North	Old West	South	New West	STN29164			
09-Nov-25						0.16			
21-Nov-25						1.53			
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.85			
Monthly Max	0.00	0.00	0.00	0.00	0.00	1.53			
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.16			
No. of Samples >Standard	0	0	0	0	0	0			
No. of Valid Samples	0	0	0	0	0	2			
% Valid Data	0	0	0	0	0	100			

 $\textbf{Note:} \ \textbf{All non detectable results reported as } \% \ \textbf{the Reportable Detection Limit (RDL)}.$ 

Cor	mments		



**APPENDIX C** 

Chain of Custody Forms

										-	CAM FCD	-01302 /3	
BUREAU	6740 Campobello Rd Mississauga Ontario ,L	5N 2L8 Phon	e: 1-800-668-063 e: (905) 817-5700	0	CHAIN OF CUSTODY FORM - AIR							age (	of
VERITAS	www.bvlabs.com	Fa	ix: (905) 817-577		PAHs on PUF as per ERP 7013			ANAL	YSIS REC	QUESTE	D		
	Company Name: Rain Carbon	Canada Inc.			PAIS OIL FOR AS PEL ENF 7013			- 1					
CLIENT										- 1			
INFORMATION	Project Manager: Robin Hart												
	e-mail: robin.hart@r									- 1			
SECTION	Address: 725Strathea Hamilton, Of												
SECTION	Hamilton, Or	<b>Y</b>											
	Phone: 1-647-281-8	094 Fa	x:										
	Sampled by: Robin Hart		_										
		Total Volume	Control of the Contro	Sample Collection								TR	$\top$
Field Sample ID		Sampled Flow Ra		Time			E1.3	X (==)					
East Monitor PAH Novemb	per 9, 2025 AWWL21-01	323.80	9-Nov-25	24 hours	x								$\top$
North Monitor PAH Novem		318.70		24 hours	x			7. E.S.				_	+
	vember 9, 2025 AWWL23-01	319.90			x		Y X 7 7	ስተላ <b>ተ</b>	NONT-2	2025-	11-219	8 —	_
South Monitor PAH Novem		300.20		24 hours	, , , , , , , , , , , , , , , , , , ,			H				_	+
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Rush 5 Business day *			ED				ning in cm		. ,				
Rush 2 Business day *						PROJ	ECT SPEC	IFIC COMI	MENTS				
* need approval from Bure Veritas		Cristina Bacchus	Regulation		,								
Client Signature: Robin F		Received by:	Ashdi.	S	deve	$\dashv$							
	mental Engineer	Affiliation:	Va survey	2	C								
	lov-25 3:00 PM	Date/Time:	MSH	YMM	Sukumin								
Unless otherwise agreed to in writ and-conditions	ting, work submitted on this Chain of C	ustody is subject to Bureau V	eritas Laboratories' sta	andard Terms	and Conditions. Signing of this Chain of Custody docume	nt is acknow	ledgment and	acceptance o	of our terms a	available a	t http://www	.bvlabs.com	/terms-
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CAM FCD-01302 /3 Chain of Custody Form - PUF / PAH 6740 Campobello Rd Toll Free: 1-800-668-0639 Page \_1\_\_ of \_\_2\_ Mississauga Ontario .L5N 2L8 Phone: (905) 817-5700 Fax: (905) 817-5777 ANALYSIS REQUESTED INVOICE INFORMATION REPORT INFORMATION FULL LIST OF VOCs (reference TO15A) Company Name: Rotek Environmental Inc Company Name: Rotek Environmental Ir BTEX/F1 (C6-C10) and F2 (C10-C16) **AMBIENT/COMMERCIAL/INDUSTRIAL** BTEX/Aromatic/Aliphatic Hydrocarbon Fractions START VACUUM (inches of Hg) Selected VOC's - please specify **Contact Name:** Paul Daszko Project Manager: Paul Daszko VACUUM (inches of Hg) Address: 15 Keefer Court Hamilton Address 15 Keefer Court Hamilton CANISTERS NOT USED AIR EPA AMBIENT/INDOOR DO NOT ANALYZE **ON L8E 4V4** ON L8E 4V4 PUF by SUB-SLAB GAS SOIL VAPOUR E-mail: poore@rotekinc.com jennifer.davies@rotekinc.com Ph: ou Ph: 905 573 9533 905 573 9533 PAHs ( END Sampled by: Robin Hart Flow Field Sample ID BV PUF ID Retrieval Regulator Serial # Date PUF #1 STN29164 09-Nov-25 AWLB36-01 X ---13-Nov-25 NONT-2025-11-2814 TAT Requirement PROJECT INFORMATION REPORTING REQUIREMENTS Notes 1) please indicate on chain of custody if your samples are 1 STD 10 Business day Project #: EDD soil vapour or ambient air Name: Rain Carbon Canada Inc Rush 5 Business day \* ON 153 Regulations 2) please list all canisters on the chain of custody even if unused Rush 2 Business day \* PO #: 32669 ON 419 Rush Other \* Bureau Veritas Quote #: BC CSR PROJECT SPECIFIC COMMENTS Bureau Veritas Contaci Cristina Bacchus Other Task Order/Line Item \* need approval from Bureau Veritas Analyse for BaP only in ng/m3. Client Signature: Doug Cunningham Please copy results to york.zhang@raincarbon.com, Ato? 20 23/11 14 robin.hart@raincarbon.com, jennifer.davies@rotekinc.com. Date/Time: 14-Nov-25 Date/Time: daszko@rotekinc.com Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-and-conditions



15 Keefer Court Hamilton, Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

# **PAH Sample Submission Sheet**

Sample Date	09-Nov-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

Purchase Order Number	32669
Results to:	jennifer.davles@rotekinc.com
Results to:	daszko@rotekinc.com
Results to:	robin,hart@raincarbon.com
Results to:	york,zhang@raincarbon.com

Station No.	Sample Date	PUF	Maxxam	Install Date	MAGN On	Removal Date	MAGN Off	Total Volume	Submission
Station No.	Sample Date	Cartridge #	Filter ID #	Install Time	inH2O	Removal Time	inH2O	m3	Date
PTN904P4	00 No. 2005	PUF#1	AWLB35-01	07-Nov-25	77	13-Nov-25	0.4	004.0	A A Man . OF
STN29164	09 Nov 2025	AWLB36-01	AVVLD30-U1	09:45	37	12:10	34	331.9	14-Nov-25
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	Company Name: F	Pain Carbon C	anada Inc				PAHs on PUF as per ERP 7013								
CLIENT	Company Name. I	Naiii Carbon C	dilaua ilic.										1 1		-
NFORMATION	Project Manager: F						STATE OF THE PARTY	100						Sin	~
		obin.hart@rai									254 FE	1			
SECTION		725Strathearn Hamilton, ON	e Avenue							بجا		i			
ECTION		namilion, ON								1		NONT	2025-1	1-5124	
	Phone: 1	1-647-281-809	94	Fax:											
	Sampled by: F	Robin Hart _									X.T.L.				
Field Sample ID			Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time									
East Monitor PAH Nove	mber 21, 2025 AWWL	.35-01	313.60		21/Nov/25	24 hours	x					7 - 12 4			
North Monitor PAH Nove	ember 21, 2025 AWW	L36-01	329.60		21/Nov/25		x	BTA F							
old West Monitor PAH N	November 21, 2025 AV	WWL37-01	302.70		21/Nov/25	24 hours	x								
South Monitor PAH Nove	ember 21, 2025 AWW	/L38-01	300.00		21/Nov/25	24 hours	x								5
New West Monitor PAH	November 21, 2025 A	WWL25-01	318.40		21/Nov/25	24 hours	×								
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* need approval from Bu Veritas		BV Quote #:			Regulation										
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ffiliation: Envir	onmental Engineer i-Nov-25 6:00 PM		Affiliation:	702	111/2		6:47								
							and Conditions. Signing of this Chain of C	ustody documer	t is acknowledge	ent and acce	ptance of our	erms available	at http://ww	w.bvlabs.com	n/ter



15 Keefer Court Hamilton Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

# **PAH Sample Submission Sheet**

Sample Date	21-Nov-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

Purchase Order Number	32669
Results to:	jennifer.davies@rotekinc.com
Results to:	daszko@rotekinc.com
Results to:	robin.hart@raincarbon.com
Results to:	york.zhang@raincarbon.com

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter ID #	Install Date	MAGN On inH2O	Removal Date Removal Time	MAGN Off inH2O	Total Volume m3	Submission Date
STN29164	21 Nov 2025	PUF #1	AVA/I DC4 04	19-Nov-25	39	24-Nov-25	37	207.0	25-Nov-25
51N29104	21 NOV 2025	AWLB62-01	AWLB61-01	09:15	39	15:00	3/	337.9	25-NOV-25
Com	ment 1 :								
	ment 2 :								

Unless otherwise agreed available at http://www.b	Date/Time:	Client Signature: Doug Cunningham	* need approval from Bureau Veritas		Rush Other *	Rush 5 Business day *	STD 10 Business day	TAT Bossicomont							THE RESERVE OF			STN29164			Sampled by: Ro	Ph: 905	E-mail: poc	ON.	Address: 15	Contact Name:	Company Name:	VERTIAS INV	
Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions, valiable at http://www.bvlabs.com/terms-and-conditions	25-Nov-25 /0:	g Cunningham		Bun			<	000										21-Nov-25		Field Sample ID	Robin Hart	905 573 9533	poore@rotekinc.com	ON L8E 4V4	15 Keefer Court Hamilton	Paul Daszko	Rotek Environmental Inc	NVOICE INFORMATION	67 Mi
n this Chain of Cust	30	9	Task Order/Line Item	Bureau Veritas Contac Cristina Bacchus	Bureau Veritas Quote #:	Name: Rain Carbon Canada Inc	Project #	O IECT INEODI										PUF #1				P	E-mail:		Addres	Project	ntal inc Compa	w.bvlabs.com	6740 Campobello Rd Mississauga Ontario, L5N 2L8
ody is subject to E	Date/Time:	Received by:	3	c Cristina Bac	#	rbon Canada	2	ATOM										AWLB62-01		BV PUF ID		905 573 9533	jennifer.davies@rotekinc.com	ON L8E 4V4	Address 15 Keefer Court Hamilton	Project Manager:	Company Name:	=	L5N 2L8
Bureau Veritas	2075/11/25			chus		Inc		ı		1		ı		1		ı		1		Flow Regulator Serial #		33	ies@roteki	4	ourt Hamil	Paul Daszko	Rotek Env	Fax: VFORMATI	Toll Free:
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Chain of Custody document is acknowledgment and acceptance of our terms	.com,	0 /	2	ú		2) please list all canisters on the chain of custody even if unused	-																						Page_1 of_
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Julian Tong CAM FCD-01302 /3 HI TO THE REPORT OF THE PARTY O 0 Chain of Custody Form - Summa™ 6740 Campobello Rd Toll Free: 1-800-668-0639 Page\_ C5E3351 Mississauga Ontario L5N 2L8 Phone: (905) 817-5700 DUREAU VERDIAE Fax (905) 817-5777 www.bvlabs.com 0 INVOICE INFORMATION REPORT INFORMATION CSM FULL LIST OF VOCs (reference TO15A AIR-001 BTEX/F1 (C6-C10) and F2 (C10-C16) Company Name: Rain Carbon Canada Inc Company Name: Rain Carbon Canada of Hg) Selected VOC's - please specify END VACUUM (inches of Hg) Project Manager: Robin Hart Contact Name: Robin Hart CANISTERS NOT USED Address: 725Strathearne Avenue Address: 725Strathearne Avenue AMBIENT/INDOOR AIR Hamilton, ON Hamilton, ON START VACUUM SUB-SLAB GAS SOIL VAPOUR E-mail: robin.hart@raincarbon.com E-mail: robin.hart@raincarbon.com 1-647-281-8094 1-647-281-8094 Sampled by: Robin Hart Flow Collection Field Sample ID Canister Regulator Serial # Date East Canister VOC November 9, 2025 18262 09-Nov-25 14917 12-Oct-25 North Canister VOC November 12, 2025 09-Nov-25 Old West Canister VOC November 9, 2025 249 South Canister VOC November 9, 2025 124 09-Nov-25 09-Nov-25 16087 New West Canister VOC November 9, 2025 PROJECT INFORMATION REPORTING REQUIREMENTS TAT Requirement 1) please indicate on chain of custody if your samples are 7 Project #: Rain Carbon Canada Inc. STD 10 Business day soil vapour or ambient air Name: Robin Hart Regulations ON 153 2) please list all canisters on the chain of custody even if unused Rush 5 Business day \* ON 419 Rush 2 Business day \* PO#: 4500625271 BC CSR PROJECT SPECIFIC COMMENTS Rush Other \* Bureau Veritas Quote #: Bureau Veritas Contact: Cristina Bacchus Other Task Order/Line Item \* need approval from Bureau Veritas synthey Simoup Received by: Client Signature: Robin Hart Environmental Engineer PLEASE RETURN ALL UNUSED EQUIPMENT Date/Time: 12-Nov-25 3:00 PM Date/Time:

	<b>建筑建筑城市,被</b> 使用"建筑"	Internal S	Sample Re	ceipt Fo	rm	
	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Bottles	Comments
1	SN: 7857					Media Job#: C5C1952
2	SN: 7857 SN: 27647					
3						- Not listed on the
4						Co C
5						- Not listed on the CoC. - Togs are blank
6				-		1
7						
8						
9						12-Nov-25 08:30
10						12-Nov-25 08:30 - Julian Tong
11						10111011111111111111111111111111111111
12						CSM AIR-001
13						Cim Ancour
14						
15						
	Received by (Signature & Print):	Date	Time	Cooler ID	Temperature	Custody seal Present Intact Ice Present
7	may Courney Somaya	2025/11/12	08:30			YES NO YES NO YES NO
1	may corney our age		Walter Francis			



15 Keefer Court Hamilton, Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

# **VOC Canister Sample Submission Sheet**

Sample Date	09-Nov-25
Project Name	Rain Carbon Canada Inc.
Contact Name	Paul Daszko
Contact Number	905 531 2815

Purchase Order Number	32669
Results to:	jennifer.davies@rotekinc.com
Results to:	daszko@rotekinc.com
Results to:	robin.hart@raincarbon.com
Results to:	york.zhang@raincarbon.com

Station Number	Canister ID Number	Sample Date	Installation Date	Installation Time	Initial Pressure	Time On	Time Off	Elapsed Time	Final Pressure	Retrieval Date	Retrieval Time	
		dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST	
STN29164	14240	09-Nov-25	07-Nov-25	09:35	-29.0	00:01	23:59	24.0	-8.0	13-Nov-25	12:30	
									-			

Comment 1:

Comment 2:

								14	-No	v-25	10:	01								
	INVOICE INFOR	www.bylab	ga Ontario ,I		Phone:	1-800-668-0639 (905) 817-5700 (905) 817-5777	11111111	stina II II III C5 F	H H	11111		chus			CAM FCD-01302 /3  ma™ Canister Page _2 of  ANALYSIS REQUESTED					
20 00	Aller Sz. sz.	-1.77	010 V				CSM		AIL	2-00	1				-					
Company Nan	ne: Rotek	Environmental Inc	Company	Name:	Rotek Env	ironmental Inc	1.3101		/ 111	(-()()			-		316)					
Contact Name	e: Paul D	Daszko	Project Ma	nager:	Paul Dasz	ko	START VACUUM (inches of Hg)	f Hg)			<b>AMBIENT/COMMERCIAL/INDUSTR</b>		FULL LIST OF VOCs (reference	BTEX/Aromatic/Aliphatic Hydrocarb Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify				
Address:	15 Keefer Court	Hamilton	Address:	15 Keefer	Court Hamil	ton	che	es c		AR.	IAL		e)	tic +	Da P	sase	yze			
	ON L8E 4V4			ON L8E 4\	/4		M (in	inch		OR.	ERC		ő	lipha	o) a	- pld	Inal			
E-mail:	poore@rotekinc.	com	E-mail:	jennifer.da	vies@rotek	inc.com	ACUUI	END VACUUM (inches of Hg)	OUR	AMBIENT/INDOOR AIR	COMN	SUB-SLAB GAS	T OF V	natic/A	(C6-C1	NOC's	o Not Analyze			
Ph:	905 573 9533		Ph:	905 573 95	533		- F	VAC	NA.	EN	EN	SLA	FIS	Aron	Æ	ted	- D0			-
Sampled by:	Robin Hart						STAR	END	SOIL VAPOUR	AMBI	AMBI	SUB-	FULL	BTEX/ Fraction	втех	Selec	Other			
	Field Sar	mple ID		Canister Serial #	Flow Regulator Serial #	Retrieval Date														
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Rush 2 Busine Rush Other *	ss day *		32669 tas Quote #:						ON 4 BC C			PRO	JECT	SPEC	IFIC C	ОММЕ	ENTS			

CANISTERS NOT USED

Analyse for Benzene only in ug/m3.

daszko@rotekinc.com

Please issue Summa canister pressure upon receipt.

Please copy results to york.zhang@raincarbon.com, robin.hart@raincarbon.com, jennifer.davies@rotekinc.com,

Page 2 of 2

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bviabs.com/terms-and-conditions

Other

Aus 2021/1/4

Date/Time:

\* need approval from Bureau Veritas

14-Nov-25

Client Signature: Doug Cunningham

Task Order/Line Item

0:00

Bureau Veritas Contact: Cristina Bacchus

Date/Time: 2075/4/14

1828
BUREAU

6740 Campobello Rd Mississauga Ontario .L5N 2L8

Toll Free: 1-800-668-0639

## Chain of Custody Form - Summa™ Canister

CAM FCD-01302 /3

Page \_ 1

BUREAU VERITAS			Mississauga Ontario ,Lt www.bvlabs.com		Fax:	(905) 817- (905) 817-										ANAL'	YSIS REQUESTED			
	INVOICE IN	IFORMATIO	N	REPORT II	NFORMATI	ON							5A)							
Company Nan	ne: <u>F</u>	Rain Carbon (	Canada Inc. Company N	ame:	Rain Carbo	on Canada	(				RIAL		) TO15A)	rbon	-C16)	_>				
Contact Name	e:F	Robin Hart	Project Man	ager:	Robin Har	t	of Hg)	Hg)			RCIAL/INDUSTRIAL		(reference	Hydrocarbon	BTEX/F1 (C6-C10) and F2 (C10-C16)	specify				
Address:	725Strathea	arne Avenue	Address:	725Strathe	arne Avenu	е	(inches	of		AIR	IALIN		s (refe	atic Hy	nd F2	please				SED
	Hamilton, C	N		Hamilton, C	ON			(inches			Ш	Si	VOCs	BTEX/Aromatic/Aliphatic Fractions	;10) a					CANISTERS NOT USED
E-mail:	robin.hart@	raincarbon.co	E-mail:	robin.hart@	<u>)raincarbon</u>	.com	VACUUM	VACUUM	VAPOUR	AMBIENT/INDOOR	AMBIENT/COMM	B GAS	T OF	matic/	0-90)	Selected VOC's				RS N
Ph:	1-647-281-8	3094	Ph:	1-647-281-	8094		_	VAC	×			SLA	SIT.	/Aro ons	VF1	ted	_			STE
Sampled by:	Robin Hart						START	END	SOIL	AMBI	AMBI	SUB-SLAB	FULL LIST	BTEX Fracti	ВТЕУ	Selec	Other			CANI
	Fie	ld Sample ID		Canister Serial #	Flow Regulator Serial #	Collection Date														
East Canister \	VOC Novemb	per 21, 2025		1257	•	21-Nov-25										Х				
North Canister	VOC Novem	ber 21, 2025		7865		21-Nov-25														
North Canister	VOC Novem	ber 22, 2025		18274		22-Nov-25										X				
Old West Cani	ster VOC No	vember 21, 2	025	14198	1	21-Nov-25														
South Canister	VOC Novem	nber 21, 2025	5	7849	)	21-Nov-25										X				
New West Can	nister VOC N	ovember 21,	2025	27660	)	21-Nov-25										X				
																		<del>                                     </del>		
																		<u> </u>		
TAT Requirem STD 10 Busines Rush 5 Busines Rush 2 Busines Rush Other *  * need approve Client Signature:	ess day ss day * ss day * al from Burea	☑ □ □ au Veritas	Project #: Rain Carbon Name: Robin Hart PO #: 4500625271 Bureau Veritas Quote #: Bureau Veritas Contact: Task Order/Line Item	Cristina Ba	cchus	REPORTI	NG RE EDD Regula		ON 1 ON 4 BC C	53 19		soil v 2) ple	ease ind apour de ease lis	or ambie t all can	ent air isters o	on the cl				
Date/Time:	26-Nov-25	6:00 PM		Date/Time:								PLE	ASE I	RETUR	N ALL	<u>. UNUS</u>	SED EQUIPMENT			

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	ustrial Hygiene" samples icate the diameter of the

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/termsand-conditions

Date/Time:



15 Keefer Court Hamilton, Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

# **VOC Canister Sample Submission Sheet**

Sample Date	21-Nov-25
Project Name	Rain Carbon Canada Inc.
Contact Name	Paul Daszko
Contact Number	905 531 2815

Purchase Order Number	32669
Results to:	jennifer.davies@rotekinc.com
Results to:	daszko@rotekinc.com
Results to:	robin.hart@raincarbon.com
Results to:	york.zhang@raincarbon.com

Station Number	Canister ID Number	Sample Date	Installation Date	Installation Time	Initial Pressure	Time On	Time Off	Elapsed Time	Final Pressure	Retrieval Date	Retrieval Time
- Tumber	- Number	dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST
STN29164	23736	21-Nov-25	19-Nov-25	09:00	-30.0	00:01	23:59	24.0	-8.0	24-Nov-25	15:15
									-		

Comment 1:

Comment 2:

BUREAU	

6740 Campobello Rd

Toll Free: 1-800-668-0639

Phone: (006) 847 5789

25-Nov-25 10:31

CAM FCD-01302 /3

BUREAU		0 Campobello Rd sissauga Ontario			: 1-800-668-0639 : (905) 817-5700	111111	111 11 1		HIII			107		mma™	Cani	ster		Page _	2 of	_2_
VERITAS	INVOICE INFORMATION	bylabs.com	PEPOPT	Fax:	(905) 817-5777		C51	E93.	37						ANAL	YSIS R	EQUES	TED		
Company Na		tal Inc Company		Windles St.	ironmental Inc	CSM	1	ΑI	R-00	)				16)						
Contact Name	e: Paul Daszko	Project M	anager:	Paul Dasz	ko	(inches of Hg)	of Hg)	h		AMBIENT/COMMERCIAL/INDUSTRI		L eoue	BTEX/Aromatic/Aliphatic Hydrocarb Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	ecify					
Address:	15 Keefer Court Hamilton	Address:	15 Keefer	Court Hamil	ton	ches	es of		× ×	ALIM		OF VOCs (reference	ic Hyd	d F2 (	se st	92				03
	ON L8E 4V4		ON L8E 4	V4		A (in	nch		DR A	ERCI		SOC	phat	) an	ple	naly				USI
E-mail:	poore@rotekinc.com	E-mail:	jennifer da	avies@rotek	inc.com	VACUUM	UM (I	S.	NDOC	OMM	GAS	OF V	tic/Ali	9-010	c,s	Not Analyze				NOT
Ph:	905 573 9533	Ph:	905 573 9	533			ACU	VAPOUR	IL	NT/C	LAB	LIST	roma	0)	N P	Po				ERS
Sampled by:	Robin Hart					START	END VACUUM (inches	SOIL V	AMBIENT/INDOOR AIR	MBIE	SUB-SLAB GAS	FULL	TEX/A	TEX/F	Selected VOC's - please specify	Other -				CANISTERS NOT USED
	Field Sample ID		Canister Serial #	Flow Regulator Serial #	Retrieval Date			U)			65	L.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		S	0				Ü
STN29	1164 21-Nov-25		23736		24-Nov-25										х					
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TAT Requirem	nent PRO	JECT INFORMAT	ION		REPORTING REQ	LUREME	NTS				Nata									130
	ess day	ect #: ame: Rain Carbo PO #: 32669 u Veritas Quote #: u Veritas Contact: Order/Line Item	n Canada In	cchus		EDD Regular Other	tions	ON 15 ON 45 BC CS	53 19 SR		2) ple PROPleas	ase inc apour c ase list JECT e Issue	or ambie t all can SPECI e Sumn	ent air isters or FIC CC	on the ch	NTS		ples are even if u	inused	,
Date/Time:	Doug Cunningham 25-Nov-25	30	Date/Time:	20751	nocpreer. 11/25	10:3	,		-		robi	in.hart	@rainca	arbon.c	om, jer	nifer.d		rotekin		- 1
inless otherwise ag	greed to in writing, work submitted on ti com/terms-and-conditions	is Chain of Custody i		eau Veritas Lab	oratories' standard Terr	ns and Cor	nditions.	Signing	of this	Chain c	of Custo	dy docur	ment is ac	knowledg	ment and	l accepta	nce of ou	r terms av	ailable a	t

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<b>(</b> )		6740 Cam Mississaug www.bylab	a Ontario ,L5	N 2L8	Phone:	1-800-668- (905) 817-5 (905) 817-5	700	d HH		1111	MIÌI		891 All	Ì			er SIS REQUESTED	CAMI	Page _	1	1
	INVOICE INFORMATIO			REPORT IN					(.	5F	25.	10								0	SHEET !
Company Name	e: Rain Carbon (	Canada Inc	Company N	ame:	Rain Carbo	on Canada	(	CS	M		ΑП	R-0(	01							8	
Contact Name:	Robin Hart		Project Man	ager:	Robin Hart		(gH Jo s	(BH)			SOON		eren	ydroc	2 (C1	Selected VOC's - please spec	_				
Address:	725Strathearne Avenue	9	Address:	725Strathea	arne Avenu	е	nche	(inches of Hg)	No.	AIR	CIALI		s (ref	atic H	and F	ease					ISED
.1	Hamilton, ON			Hamilton, C	N		START VACUUM (inches	(inc	~	AMBIENT/INDOOR AIR	AMBIENT/COMMERCIAL/INDUS	18	FULL LIST OF VOCs (referen	BTEX/Aromatic/Aliphatic Hydroc Fractions	BTEX/F1 (C6-C10) and F2 (C1	d · s					CANISTERS NOT USED
-mail:	robin.hart@raincarbon.c	om	E-mail:	robin.hart@	raincarbon	.com	4CU	UUA	90	IND IND	CON	B G/	9	natic	-93	00					RS
h:	1-647-281-8094		Ph:	1-647-281-	8094		ST V	VACUUM	VAPOUR	IENT	ENT	SUB-SLAB GAS	SIT	Aror	K/F1	cted	<u></u>				ISTE
Sampled by:	Robin Hart						STAI	END	SOIL	AMB	AMB	SUB	FULI	BTEX Fract	вте	Sele	Other				CAN
	Field Sample ID	)		Canister Serial #	Flow Regulator Serial #	Collection Date															
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FAT Requirements STD 10 Busines Rush 5 Busines	ss day ☑	Project # Name	: Rain Carbor Robin Hart	n Canada Inc		4 0	IG RE EDD Regula		ON 1	53		soil v	ease in apour	or ambi	ent air		tody if your samples are chain of custody even if unused				
Rush 2 Busines Rush Other *	ss day *	Bureau Ver	: 4500625271 ritas Quote #: ritas Contact:	Cristina Ba	cchus		Other		ON 4 BC C			PRO	JECT	SPEC	IFIC C	ОММЕ	NTS				
* need approva	al from Bureau Veritas	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	er/Line Item																		
Client Signature:	Robin Hart Environmen	ital Enginee	r	Received by Date/Time:	SL	Suci	m	S	ALL	CAT	-										
Date/Time:	28/Nov/25 6:00 PN	1		Date/Time:	2025/	12 /0.	Z	1.	) ·	14		PLE	ASE	RETUR	N ALL	. UNU	SED EQUIPMENT				
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04-Dec-25 16:42

(D)		6740 Campobello R Mississauga Ontario www.bvlabs.com	,L5N 2L8	Phone: Fax:	1-800-668 (905) 817- (905) 817-	5700		Chai	in of	Cus	tody		- Sun		Canis	Julian Tong 	i-01302 /3	1 1
INV	OICE INFORMATIO	N	REPORT	NFORMAT	ION		2000	Hai				15A		_		NAME AND ADDRESS OF THE PROPERTY.		8.48
Company Name:	Rain Carbon	Canada Ind Compan	y Name:	Rain Carb	on Canada		HIC			TRIAL	100	e TO15A	arbon	9-C16	2	CSM AIR-001		
Contact Name:	Robin Hart	Project I	Manager:	Robin Har	rt	(BH Jo se	of Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		OF VOCs (reference	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	- please specify			
Address: 725	Strathearne Avenue	Address	: 725Strathe	earne Aven	ue	nch	(inches	8	AIR	CIAL		ı) s	atic	and	leas			ISEL
Han	milton, ON		Hamilton,	ON		JM (	(inc		OOR	MER	0	9	Alip	(0)	o.			110
E-mail: robi	in,hart@raincarbon.c	com E-mail:	robin.hart@	Draincarbor	n.com	1CO	VACUUM	VAPOUR	IND	CON	3 GAS	P	natic	0.66	voc's	*		SS
Ph: 1-64	47-281-8094	Ph:	1-647-281	-8094		1 1	VAC	VAP	ENT	ENT	SLAI	LIS.	Aron	/F1	ted )	4807		STE
Sampled by: Rot	bin Hart			174		START VACUUM (inches	END	SOIL	AMBIENT/INDOOR AIR	AMBI	SUB-SLAB	FULL LIST	BTEX/ Fraction	втех	Selected	Other		CANISTERS NOT USED
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Additional North Ca	anister VOC Novemb	er 29, 2025	2807		29-Nov-25										х			
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STD 10 Business d Rush 5 Business d Rush 2 Business d	ay* □	Project#: Rain Ca Name: Robin Ha PO #: 4500625	art	c.		EDD Regula	ations	ON 1	19		soil v 2) ple	apour ease lis	or ambi it all cai	ent air nisters o	n the c	dy if your samples are tain of custody even if unused		
Rush Other *		Bureau Veritas Quote Bureau Veritas Conta	ct: Cristina B	acchus		Other		BC C	SR		PRO	JECT	SPEC	IFIC C	OMME	its		
* need approval fro	om Bureau Veritas	Task Order/Line Ite	n	n	1	1 ,		(1)		_	-							
Client Signature: Rol	bin Har <u>t Environmen</u>	tal Engineer	Received b	y_//m	ey, C	pri	ny	Jun	nauj	a						3.0%		
Date/Time: 3	-Dec-25 11:00 AN	i	Date/Time	: 120	1/2/12	105	11	13.	23		PLE	ASE	RETUR	N ALL	UNUS	ED EQUIPMENT		
om				U	1 1		4	16										

Sample Reception received it on 2005/12/04 at 16:42.

CLIENT NAME: RAIN CAN BON

<b>对表示的关键,但可以表现的表现的</b>	Internal S	Sample Re	ceipt Fo	rm						
Sample Identification	Date Sampled	Time Sampled	Matrix	# of Bottles			Comr	nents		
1										
2										
3										
4										
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6										
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8										
9							1			
10						and the same of th				
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Received by (Signature & Print):	Date	Time	Cooler ID	Temperature	Custod	ent	Int	dy Seal act	Ice Pr	
Ct Sown Survey	2875/12/04	16:42			YES	NO	YES	NO	YES	NO
<del></del>	¥									



**APPENDIX D** 

**Certificates of Analysis** 



Your P.O. #: 4500625271

Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: N/A

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/11/21

Report #: R8656093 Version: 1 - Final

#### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5E3510
Received: 2025/11/11, 17:00

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	<b>Laboratory Method</b>	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/11/12	2025/11/21	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/11/15	2025/11/18	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/11/12		

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

(1) Analysis was conducted according to Bureau Veritas' method BRL SOP-00201 and modified where applicable based on the sample matrix. Only the following parameters are accredited: Napthalene, 2-Methylnapthalene, Acenapthylene, Acenapthene, Anthracene, Benzo (a) anthracene, Dibenzo (a,h) anthracene, Fluorene, Benzo (e) pyrene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Chrysene, Fluoranthene, Indeno (1,2,3 cd) pyrene. Additional parameters are not Standards Council of Canada accredited for this matrix.



Your P.O. #: 4500625271

Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: N/A

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/11/21

Report #: R8656093

Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C5E3510** Received: 2025/11/11, 17:00

**Encryption Key** 

Julian Tong Project Manager Assistant 24 Nov 2025 11:22:28

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



Report Date: 2025/11/21

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **RESULTS OF ANALYSES OF PUF AND FILTER**

Bureau Veritas ID		AXGL95	AXGL96	AXGL97	AXGL98	
Sampling Date		2025/11/09	2025/11/09	2025/11/09	2025/11/09	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH NOVEMBER 9, 2025 AWWL21-01	NORTH MONITOR PAH NOVEMBER 9, 2025 AWWL22-01	OLD WEST MONITOR PAH NOVEMBER 9, 2025 AWWL23-01	SOUTH MONITOR PAH NOVEMBER 9, 2025 AWWL24-01	QC Batch
Volume	m3	323.8	318.7	319.9	300.2	ONSITE
QC Batch = Quality Control B	atch	_			_	·

Bureau Veritas ID		AXGL99	
Sampling Date		2025/11/09	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH NOVEMBER 9, 2025 AWWL25-01	QC Batch
Volume	m3	314.9	ONSITE
QC Batch = Quality Control Ba	atch		



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXGL95	AXGL96		AXGL97		
Sampling Date		2025/11/09	2025/11/09		2025/11/09		
COC Number		N/A	N/A		N/A		
	UNITS	EAST MONITOR PAH NOVEMBER 9, 2025 AWWL21-01	NORTH MONITOR PAH NOVEMBER 9, 2025 AWWL22-01	QC Batch	OLD WEST MONITOR PAH NOVEMBER 9, 2025 AWWL23-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	<0.10	<0.10	A055077	0.18	0.10	A055077
Surrogate Recovery (%)						•	•
D10-2-Methylnaphthalene	%	72	68	A055077	68		A055077
D10-Anthracene	%	84	84	A055077	74		A055077
D10-Fluoranthene	%	90	94	A055077	78		A055077
D10-Phenanthrene	%	84	84	A055077	76		A055077
D12-Benzo(a)anthracene	%	84	80	A055077	82		A055077
D12-Benzo(a)pyrene	%	94	92	A055077	96		A055077
D12-Benzo(b)fluoranthene	%	94	92	A055077	90		A055077
D12-Benzo(ghi)perylene	%	96	94	A055077	94		A055077
D12-Benzo(k)fluoranthene	%	94	90	A055077	90		A055077
D12-Chrysene	%	100	94	A055077	98		A055077
D12-Indeno(1,2,3-cd)pyrene	%	92	90	A055077	92		A055077
D12-Perylene	%	96	96	A055077	98		A055077
D14-Dibenzo(a,h)anthracene	%	96	92	A055077	94		A055077
D8-Acenaphthylene	%	78	72	A055077	66		A055077
D8-Naphthalene	%	54	66	A055077			
RDL = Reportable Detection Li	mit						-

QC Batch = Quality Control Batch



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXGL98		AXGL99		
Sampling Date		2025/11/09		2025/11/09		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH NOVEMBER 9, 2025 AWWL24-01	QC Batch	NEW WEST MONITOR PAH NOVEMBER 9, 2025 AWWL25-01	RDL	QC Batch
Semivolatile Organics						
Benzo(a)pyrene	ug	<0.10	A055077	<0.10	0.10	A055077
Surrogate Recovery (%)						
D10-2-Methylnaphthalene	%	68	A055077	72		A055077
D10-Anthracene	%	72	A055077	88		A055077
D10-Fluoranthene	%	74	A055077	98		A055077
D10-Phenanthrene	%	72	A055077	88		A055077
D12-Benzo(a)anthracene	%	80	A055077	82		A055077
D12-Benzo(a)pyrene	%	94	A055077	94		A055077
D12-Benzo(b)fluoranthene	%	90	A055077	92		A055077
D12-Benzo(ghi)perylene	%	90	A055077	98		A055077
D12-Benzo(k)fluoranthene	%	90	A055077	92		A055077
D12-Chrysene	%	94	A055077	98		A055077
D12-Indeno(1,2,3-cd)pyrene	%	90	A055077	94		A055077
D12-Perylene	%	94	A055077	96		A055077
D14-Dibenzo(a,h)anthracene	%	90	A055077	94		A055077
D8-Acenaphthylene	%	70	A055077	76		A055077
D8-Naphthalene	%			68		A055077
RDL = Reportable Detection Li QC Batch = Quality Control Ba						



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)**

Bureau Veritas ID		AXGL95	AXGL96	AXGL97		
Sampling Date		2025/11/09	2025/11/09	2025/11/09		
COC Number		N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH NOVEMBER 9, 2025 AWWL21-01	NORTH MONITOR PAH NOVEMBER 9, 2025 AWWL22-01	OLD WEST MONITOR PAH NOVEMBER 9, 2025 AWWL23-01	RDL	QC Batch
Calculated Parameters						
Benzo(a)pyrene	ug/m3	<0.00031	<0.00031	0.00056	0.00031	A053138
RDL = Reportable Detection QC Batch = Quality Contro						

Bureau Veritas ID		AXGL98		AXGL99		
Sampling Date		2025/11/09		2025/11/09		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH NOVEMBER 9, 2025 AWWL24-01	RDL	NEW WEST MONITOR PAH NOVEMBER 9, 2025 AWWL25-01	RDL	QC Batch
Calculated Parameters						
Benzo(a)pyrene	ug/m3	<0.00033	0.00033	<0.00032	0.00032	A053138
RDL = Reportable Detecti	on Limit		•		•	



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

#### **GENERAL COMMENTS**

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

#### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A055077	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/11/18		72	%	50 - 150
			D10-Fluoranthene	2025/11/18		96	%	50 - 150
			D10-Phenanthrene	2025/11/18		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/11/18		96	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/11/18		102	%	50 - 150
			D12-Benzo(ghi)perylene	2025/11/18		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/11/18		94	%	50 - 150
			D12-Chrysene	2025/11/18		96	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/11/18		96	%	50 - 150
			D12-Perylene	2025/11/18		102	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/11/18		96	%	50 - 150
			D8-Acenaphthylene	2025/11/18		74	%	50 - 150
			D8-Naphthalene	2025/11/18		70	%	50 - 150
			Benzo(a)pyrene	2025/11/18		93	%	50 - 150
A055077	MPQ	RPD	Benzo(a)pyrene	2025/11/18	2.7		%	50
A055077	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/11/18		70	%	50 - 150
			D10-Fluoranthene	2025/11/18		94	%	50 - 150
			D10-Phenanthrene	2025/11/18		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/11/18		96	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/11/18		104	%	50 - 150
			D12-Benzo(ghi)perylene	2025/11/18		96	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/11/18		92	%	50 - 150
			D12-Chrysene	2025/11/18		94	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/11/18		92	%	50 - 150
			D12-Perylene	2025/11/18		104	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/11/18		92	%	50 - 150
			D8-Acenaphthylene	2025/11/18		74	%	50 - 150
			D8-Naphthalene	2025/11/18		66	%	50 - 150
			Benzo(a)pyrene	2025/11/18	<0.10		ug	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

#### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS and SVOC

Lasitha Kaiprath, Sample Entry Technician

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



Your P.O. #: 32669

Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: NA

Attention: Ruetgers list
Rotek Environmental Inc.
15 Keefer Court
Hamilton, ON
CANADA L8E 4V4

Report Date: 2025/11/21

Report #: R8656094 Version: 1 - Final

#### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5E4418 Received: 2025/11/14, 10:01

Sample Matrix: Puf And Filter # Samples Received: 1

	0	Date	Date		
Analyses	Quantity E	xtracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1 2	2025/11/14	2025/11/14	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1 2	2025/11/15	2025/11/18	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1 N	N/A	2025/11/14		

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

(1) Analysis was conducted according to Bureau Veritas' method BRL SOP-00201 and modified where applicable based on the sample matrix. Only the following parameters are accredited: Napthalene, 2-Methylnapthalene, Acenapthylene, Acenapthene, Anthracene, Benzo (a) anthracene, Dibenzo (a,h) anthracene, Fluorene, Benzo (e) pyrene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Chrysene, Fluoranthene, Indeno (1,2,3 cd) pyrene. Additional parameters are not Standards Council of Canada accredited for this matrix.



Your P.O. #: 32669

Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: NA

**Attention: Ruetgers list** 

Rotek Environmental Inc. 15 Keefer Court Hamilton, ON CANADA L8E 4V4

Report Date: 2025/11/21

Report #: R8656094 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C5E4418** Received: 2025/11/14, 10:01

**Encryption Key** 



Bureau Veritas

21 Nov 2025 18:21:42

Please direct all questions regarding this Certificate of Analysis to: Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com

Phone# (905)817-5763

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This report has been generated and distributed using a secure automated process.

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Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

### **RESULTS OF ANALYSES OF PUF AND FILTER**

Bureau Veritas ID		AXIB03	
Sampling Date		2025/11/13	
COC Number		NA	
	UNITS	STN29164	QC Batch
		09-NOV-25 PUF#1	•
Volume	m3	<b>09-NOV-25 PUF#1</b> 331.9	ONSITE



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

# SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXIB03		
Sampling Date		2025/11/13		
COC Number		NA		
	UNITS	STN29164 09-NOV-25 PUF#1	RDL	QC Batch
Benzo(a)pyrene	ug	<0.10	0.10	A055077
Surrogate Recovery (%)				•
D10-2-Methylnaphthalene	%	78		A055077
D10-Anthracene	%	92		A055077
D10-Fluoranthene	%	100		A055077
D10-Phenanthrene	%	92		A055077
D12-Benzo(a)anthracene	%	78		A055077
D12-Benzo(a)pyrene	%	92		A055077
D12-Benzo(b)fluoranthene	%	90		A055077
D12-Benzo(ghi)perylene	%	94		A055077
D12-Benzo(k)fluoranthene	%	88		A055077
D12-Chrysene	%	92		A055077
D12-Indeno(1,2,3-cd)pyrene	%	90		A055077
D12-Perylene	%	94		A055077
D14-Dibenzo(a,h)anthracene	%	92		A055077
D8-Acenaphthylene	%	80		A055077
D8-Naphthalene	%	74		A055077
RDL = Reportable Detection Li QC Batch = Quality Control Bat				



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

# **CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)**

Bureau Veritas ID		AXIB03		
Sampling Date		2025/11/13		
COC Number		NA		
	UNITS	STN29164 09-NOV-25 PUF#1	RDL	QC Batch
		***************************************		
Benzo(a)pyrene	ng/m3	<0.30	0.30	A054678



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

### **GENERAL COMMENTS**

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A055077	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/11/18		72	%	50 - 150
			D10-Fluoranthene	2025/11/18		96	%	50 - 150
			D10-Phenanthrene	2025/11/18		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/11/18		96	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/11/18		102	%	50 - 150
			D12-Benzo(ghi)perylene	2025/11/18		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/11/18		94	%	50 - 150
			D12-Chrysene	2025/11/18		96	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/11/18		96	%	50 - 150
			D12-Perylene	2025/11/18		102	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/11/18		96	%	50 - 150
			D8-Acenaphthylene	2025/11/18		74	%	50 - 150
			D8-Naphthalene	2025/11/18		70	%	50 - 150
			Benzo(a)pyrene	2025/11/18		93	%	50 - 150
A055077	MPQ	RPD	Benzo(a)pyrene	2025/11/18	2.7		%	50
A055077	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/11/18		70	%	50 - 150
			D10-Fluoranthene	2025/11/18		94	%	50 - 150
			D10-Phenanthrene	2025/11/18		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/11/18		96	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/11/18		104	%	50 - 150
			D12-Benzo(ghi)perylene	2025/11/18		96	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/11/18		92	%	50 - 150
			D12-Chrysene	2025/11/18		94	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/11/18		92	%	50 - 150
			D12-Perylene	2025/11/18		104	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/11/18		92	%	50 - 150
			D8-Acenaphthylene	2025/11/18		74	%	50 - 150
			D8-Naphthalene	2025/11/18		66	%	50 - 150
			Benzo(a)pyrene	2025/11/18	<0.10		ug	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

#### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS and SVOC



Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: N/A

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/04

Report #: R8662671 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F0245 Received: 2025/11/25, 16:47

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	<b>Laboratory Method</b>	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/11/27	2025/11/27	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/11/28	2025/12/01	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/11/27		

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

(1) Analysis was conducted according to Bureau Veritas' method BRL SOP-00201 and modified where applicable based on the sample matrix. Only the following parameters are accredited: Napthalene, 2-Methylnapthalene, Acenapthylene, Acenapthene, Anthracene, Benzo (a) anthracene, Dibenzo (a,h) anthracene, Fluorene, Benzo (e) pyrene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Chrysene, Fluoranthene, Indeno (1,2,3 cd) pyrene. Additional parameters are not Standards Council of Canada accredited for this matrix.



Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: N/A

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/04

Report #: R8662671

Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F0245 Received: 2025/11/25, 16:47

Encryption Key

Julian Tong Project Manager Assistant 04 Dec 2025 16:43:08

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

\_\_\_\_\_



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

## **RESULTS OF ANALYSES OF PUF AND FILTER**

Bureau Veritas ID Sampling Date COC Number		AXTR35 2025/11/21 N/A	AXTR36 2025/11/21 N/A	AXTR37 2025/11/21 N/A	AXTR38 2025/11/21 N/A	
	UNITS	EAST MONITOR PAH NOVEMBER 21, 2025 AWWL35-01	NORTH MONITOR PAH NOVEMBER 21, 2025 AWWL36-01	OLD WEST MONITOR PAH NOVEMBER 21, 2025 AWWL37-01	SOUTH MONITOR PAH NOVEMBER 21, 2025 AWWL38-01	QC Batch
						<u> </u>
Volume	m3	313.6	329.6	302.7	300.0	ONSITE
QC Batch = Quality Control Ba	atch					

Bureau Veritas ID		AXTR39	
Sampling Date		2025/11/21	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH NOVEMBER 21, 2025 AWWL39-01	QC Batch
Volume	m3	318.4	ONSITE
QC Batch = Quality Control Ba	atch		•



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

## SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXTR35	AXTR36	AXTR37	AXTR38		
Sampling Date		2025/11/21	2025/11/21	2025/11/21	2025/11/21		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH NOVEMBER 21, 2025 AWWL35-01	NORTH MONITOR PAH NOVEMBER 21, 2025 AWWL36-01	OLD WEST MONITOR PAH NOVEMBER 21, 2025 AWWL37-01	SOUTH MONITOR PAH NOVEMBER 21, 2025 AWWL38-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.22	0.36	0.26	<0.10	0.10	A063709
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	72	92	80	74		A063709
D10-Anthracene	%	80	96	80	82		A063709
D10-Fluoranthene	%	86	102	92	90		A063709
D10-Phenanthrene	%	82	98	82	82		A063709
D12-Benzo(a)anthracene	%	76	72	78	74		A063709
D12-Benzo(a)pyrene	%	94	88	94	92		A063709
D12-Benzo(b)fluoranthene	%	82	90	78	90		A063709
D12-Benzo(ghi)perylene	%	96	92	98	94		A063709
D12-Benzo(k)fluoranthene	%	80	90	76	90		A063709
D12-Chrysene	%	90	86	92	88		A063709
D12-Indeno(1,2,3-cd)pyrene	%	92	90	96	92		A063709
D12-Perylene	%	98	90	96	94		A063709
D14-Dibenzo(a,h)anthracene	%	92	92	96	92		A063709
D8-Acenaphthylene	%	76	96	78	76		A063709
D8-Naphthalene	%	54	74	58	58		A063709
RDL = Reportable Detection Li	mit						

QC Batch = Quality Control Batch



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

# SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXTR39		
Sampling Date		2025/11/21		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH NOVEMBER 21, 2025 AWWL39-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	0.34	0.10	A063709
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	88		A063709
D10-Anthracene	%	86		A063709
D10-Fluoranthene	%	98		A063709
D10-Phenanthrene	%	88		A063709
D12-Benzo(a)anthracene	%	78		A063709
D12-Benzo(a)pyrene	%	96		A063709
D12-Benzo(b)fluoranthene	%	80		A063709
D12-Benzo(ghi)perylene	%	98		A063709
D12-Benzo(k)fluoranthene	%	80		A063709
D12-Chrysene	%	92		A063709
D12-Indeno(1,2,3-cd)pyrene	%	96		A063709
D12-Perylene	%	102		A063709
D14-Dibenzo(a,h)anthracene	%	96		A063709
D8-Acenaphthylene	%	86		A063709
D8-Naphthalene	%	62		A063709
RDL = Reportable Detection Li QC Batch = Quality Control Bat				



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

# **CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)**

Bureau Veritas ID		AXTR35		AXTR36		AXTR37		
Sampling Date		2025/11/21		2025/11/21		2025/11/21		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH NOVEMBER 21, 2025 AWWL35-01	RDL	NORTH MONITOR PAH NOVEMBER 21, 2025 AWWL36-01	RDL	OLD WEST MONITOR PAH NOVEMBER 21, 2025 AWWL37-01	RDL	QC Batch
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00070	0.00032	0.00109	0.00030	0.00086	0.00033	A063154
RDL = Reportable Detection QC Batch = Quality Control B								

Bureau Veritas ID		AXTR38		AXTR39		
Sampling Date		2025/11/21		2025/11/21		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH NOVEMBER 21, 2025 AWWL38-01	RDL	NEW WEST MONITOR PAH NOVEMBER 21, 2025 AWWL39-01	RDL	QC Batch
Calculated Parameters						
Benzo(a)pyrene	ug/m3	<0.00033	0.00033	0.00107	0.00031	A063154
RDL = Reportable Detection					-	



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **GENERAL COMMENTS**

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A063709	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/12/01		72	%	50 - 150
			D10-Fluoranthene	2025/12/01		92	%	50 - 150
			D10-Phenanthrene	2025/12/01		80	%	50 - 150
			D12-Benzo(a)pyrene	2025/12/01		92	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/12/01		92	%	50 - 150
			D12-Benzo(ghi)perylene	2025/12/01		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Chrysene	2025/12/01		82	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/12/01		92	%	50 - 150
			D12-Perylene	2025/12/01		94	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/12/01		86	%	50 - 150
			D8-Acenaphthylene	2025/12/01		72	%	50 - 150
			D8-Naphthalene	2025/12/01		70	%	50 - 150
			Benzo(a)pyrene	2025/12/01		88	%	50 - 150
A063709	MPQ	RPD	Benzo(a)pyrene	2025/12/01	5.9		%	50
A063709	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/12/01		78	%	50 - 150
			D10-Fluoranthene	2025/12/01		94	%	50 - 150
			D10-Phenanthrene	2025/12/01		82	%	50 - 150
			D12-Benzo(a)pyrene	2025/12/01		94	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Benzo(ghi)perylene	2025/12/01		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Chrysene	2025/12/01		84	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/12/01		90	%	50 - 150
			D12-Perylene	2025/12/01		102	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/12/01		84	%	50 - 150
			D8-Acenaphthylene	2025/12/01		78	%	50 - 150
			D8-Naphthalene	2025/12/01		76	%	50 - 150
			Benzo(a)pyrene	2025/12/01	<0.20		ug	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

#### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS and SVOC

Lasitha Kaiprath, Sample Entry Technician



Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: N/A

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/04

Report #: R8662671 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F0245 Received: 2025/11/25, 16:47

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	<b>Laboratory Method</b>	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/11/27	2025/11/27	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/11/28	2025/12/01	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/11/27		

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

(1) Analysis was conducted according to Bureau Veritas' method BRL SOP-00201 and modified where applicable based on the sample matrix. Only the following parameters are accredited: Napthalene, 2-Methylnapthalene, Acenapthylene, Acenapthene, Anthracene, Benzo (a) anthracene, Dibenzo (a,h) anthracene, Fluorene, Benzo (e) pyrene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Chrysene, Fluoranthene, Indeno (1,2,3 cd) pyrene. Additional parameters are not Standards Council of Canada accredited for this matrix.



Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: N/A

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/04

Report #: R8662671

Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F0245 Received: 2025/11/25, 16:47

**Encryption Key** 

Julian Tong Project Manager Assistant 04 Dec 2025 16:43:08

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

\_\_\_\_\_



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

## **RESULTS OF ANALYSES OF PUF AND FILTER**

Bureau Veritas ID Sampling Date COC Number		AXTR35 2025/11/21 N/A	AXTR36 2025/11/21 N/A	AXTR37 2025/11/21 N/A	AXTR38 2025/11/21 N/A	
	UNITS	EAST MONITOR PAH NOVEMBER 21, 2025 AWWL35-01	NORTH MONITOR PAH NOVEMBER 21, 2025 AWWL36-01	OLD WEST MONITOR PAH NOVEMBER 21, 2025 AWWL37-01	SOUTH MONITOR PAH NOVEMBER 21, 2025 AWWL38-01	QC Batch
						<u> </u>
Volume	m3	313.6	329.6	302.7	300.0	ONSITE
QC Batch = Quality Control Ba	atch					

Bureau Veritas ID		AXTR39	
Sampling Date		2025/11/21	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH NOVEMBER 21, 2025 AWWL39-01	QC Batch
Volume	m3	318.4	ONSITE
QC Batch = Quality Control Ba	atch		•



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

## SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXTR35	AXTR36	AXTR37	AXTR38		
Sampling Date		2025/11/21	2025/11/21	2025/11/21	2025/11/21		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH NOVEMBER 21, 2025 AWWL35-01	NORTH MONITOR PAH NOVEMBER 21, 2025 AWWL36-01	OLD WEST MONITOR PAH NOVEMBER 21, 2025 AWWL37-01	SOUTH MONITOR PAH NOVEMBER 21, 2025 AWWL38-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.22	0.36	0.26	<0.10	0.10	A063709
Surrogate Recovery (%)						•	•
D10-2-Methylnaphthalene	%	72	92	80	74		A063709
D10-Anthracene	%	80	96	80	82		A063709
D10-Fluoranthene	%	86	102	92	90		A063709
D10-Phenanthrene	%	82	98	82	82		A063709
D12-Benzo(a)anthracene	%	76	72	78	74		A063709
D12-Benzo(a)pyrene	%	94	88	94	92		A063709
D12-Benzo(b)fluoranthene	%	82	90	78	90		A063709
D12-Benzo(ghi)perylene	%	96	92	98	94		A063709
D12-Benzo(k)fluoranthene	%	80	90	76	90		A063709
D12-Chrysene	%	90	86	92	88		A063709
D12-Indeno(1,2,3-cd)pyrene	%	92	90	96	92		A063709
D12-Perylene	%	98	90	96	94		A063709
D14-Dibenzo(a,h)anthracene	%	92	92	96	92		A063709
D8-Acenaphthylene	%	76	96	78	76		A063709
D8-Naphthalene	%	54	74	58	58		A063709
RDL = Reportable Detection Li	mit						

QC Batch = Quality Control Batch



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

# SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXTR39		
Sampling Date		2025/11/21		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH NOVEMBER 21, 2025 AWWL39-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	0.34	0.10	A063709
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	88		A063709
D10-Anthracene	%	86		A063709
D10-Fluoranthene	%	98		A063709
D10-Phenanthrene	%	88		A063709
D12-Benzo(a)anthracene	%	78		A063709
D12-Benzo(a)pyrene	%	96		A063709
D12-Benzo(b)fluoranthene	%	80		A063709
D12-Benzo(ghi)perylene	%	98		A063709
D12-Benzo(k)fluoranthene	%	80		A063709
D12-Chrysene	%	92		A063709
D12-Indeno(1,2,3-cd)pyrene	%	96		A063709
D12-Perylene	%	102		A063709
D14-Dibenzo(a,h)anthracene	%	96		A063709
D8-Acenaphthylene	%	86		A063709
D8-Naphthalene	%	62		A063709
RDL = Reportable Detection Li QC Batch = Quality Control Bat				



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

# **CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)**

Bureau Veritas ID		AXTR35		AXTR36		AXTR37		
Sampling Date		2025/11/21		2025/11/21		2025/11/21		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH NOVEMBER 21, 2025 AWWL35-01	RDL	NORTH MONITOR PAH NOVEMBER 21, 2025 AWWL36-01	RDL	OLD WEST MONITOR PAH NOVEMBER 21, 2025 AWWL37-01	RDL	QC Batch
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00070	0.00032	0.00109	0.00030	0.00086	0.00033	A063154
RDL = Reportable Detection QC Batch = Quality Control B								

Bureau Veritas ID		AXTR38		AXTR39		
Sampling Date		2025/11/21		2025/11/21		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH NOVEMBER 21, 2025 AWWL38-01	RDL	NEW WEST MONITOR PAH NOVEMBER 21, 2025 AWWL39-01	RDL	QC Batch
Calculated Parameters						
Benzo(a)pyrene	ug/m3	<0.00033	0.00033	0.00107	0.00031	A063154
RDL = Reportable Detection					-	



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **GENERAL COMMENTS**

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A063709	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/12/01		72	%	50 - 150
			D10-Fluoranthene	2025/12/01		92	%	50 - 150
			D10-Phenanthrene	2025/12/01		80	%	50 - 150
			D12-Benzo(a)pyrene	2025/12/01		92	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/12/01		92	%	50 - 150
			D12-Benzo(ghi)perylene	2025/12/01		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Chrysene	2025/12/01		82	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/12/01		92	%	50 - 150
			D12-Perylene	2025/12/01		94	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/12/01		86	%	50 - 150
			D8-Acenaphthylene	2025/12/01		72	%	50 - 150
			D8-Naphthalene	2025/12/01		70	%	50 - 150
			Benzo(a)pyrene	2025/12/01		88	%	50 - 150
A063709	MPQ	RPD	Benzo(a)pyrene	2025/12/01	5.9		%	50
A063709	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/12/01		78	%	50 - 150
			D10-Fluoranthene	2025/12/01		94	%	50 - 150
			D10-Phenanthrene	2025/12/01		82	%	50 - 150
			D12-Benzo(a)pyrene	2025/12/01		94	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Benzo(ghi)perylene	2025/12/01		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Chrysene	2025/12/01		84	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/12/01		90	%	50 - 150
			D12-Perylene	2025/12/01		102	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/12/01		84	%	50 - 150
			D8-Acenaphthylene	2025/12/01		78	%	50 - 150
			D8-Naphthalene	2025/12/01		76	%	50 - 150
			Benzo(a)pyrene	2025/12/01	<0.20		ug	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

#### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS and SVOC

Lasitha Kaiprath, Sample Entry Technician



Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: NA

Attention: Ruetgers list
Rotek Environmental Inc.
15 Keefer Court
Hamilton, ON
CANADA L8E 4V4

Report Date: 2025/12/04

Report #: R8662668 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5E9152 Received: 2025/11/25, 10:31

Sample Matrix: Puf And Filter # Samples Received: 1

	Date	e Date		
Analyses	Quantity Extr	acted Analyz	ed Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1 202	5/11/25 2025/1	1/26 BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1 202	5/11/28 2025/1	2/01 BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1 N/A	2025/1	1/26	

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

(1) Analysis was conducted according to Bureau Veritas' method BRL SOP-00201 and modified where applicable based on the sample matrix. Only the following parameters are accredited: Napthalene, 2-Methylnapthalene, Acenapthylene, Acenapthene, Anthracene, Benzo (a) anthracene, Dibenzo (a,h) anthracene, Fluorene, Benzo (e) pyrene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Chrysene, Fluoranthene, Indeno (1,2,3 cd) pyrene. Additional parameters are not Standards Council of Canada accredited for this matrix.



Site Location: RAIN CARBON CANADA INC.

Your C.O.C. #: NA

**Attention: Ruetgers list** 

Rotek Environmental Inc. 15 Keefer Court Hamilton, ON CANADA L8E 4V4

Report Date: 2025/12/04

Report #: R8662668 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5E9152 Received: 2025/11/25, 10:31

**Encryption Key** 



Bureau Veritas

04 Dec 2025 10:20:55

Please direct all questions regarding this Certificate of Analysis to: Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com

Phone# (905)817-5763

This report has been generated and distributed using a secure automated process.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

## **RESULTS OF ANALYSES OF PUF AND FILTER**

Bureau Veritas ID		AXRP96		
Sampling Date		2025/11/21		
COC Number		NA		
	UNITS	STN29164	QC Batch	
	0	21-NOV-25 PUF #1	QC Batch	
Volume	m3	<b>21-NOV-25 PUF #1</b> 337.9	ONSITE	



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

# SEMI-VOLATILE ORGANICS BY GC-MS (PUF AND FILTER)

Bureau Veritas ID		AXRP96		
Sampling Date		2025/11/21		
COC Number		NA		
	UNITS	STN29164 21-NOV-25 PUF #1	RDL	QC Batch
Benzo(a)pyrene	ug	<0.10	0.10	A063709
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	68		A063709
D10-Anthracene	%	80		A063709
D10-Fluoranthene	%	92		A063709
D10-Phenanthrene	%	82		A063709
D12-Benzo(a)anthracene	%	72		A063709
D12-Benzo(a)pyrene	%	90		A063709
D12-Benzo(b)fluoranthene	%	72		A063709
D12-Benzo(ghi)perylene	%	94		A063709
D12-Benzo(k)fluoranthene	%	72		A063709
D12-Chrysene	%	86		A063709
D12-Indeno(1,2,3-cd)pyrene	%	88		A063709
D12-Perylene	%	92		A063709
D14-Dibenzo(a,h)anthracene	%	88		A063709
D8-Acenaphthylene	%	70		A063709
D8-Naphthalene	%	58		A063709
RDL = Reportable Detection Lin QC Batch = Quality Control Bat				



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

# **CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)**

Bureau Veritas ID		AXRP96		
Sampling Date		2025/11/21		
COC Number		NA		
	UNITS	STN29164	RDL	QC Batch
		21-NOV-25 PUF #1		,
Benzo(a)pyrene	ng/m3	<b>21-NOV-25 PUF #1</b> <0.30	0.30	A061617



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

### **GENERAL COMMENTS**

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A063709	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/12/01		72	%	50 - 150
			D10-Fluoranthene	2025/12/01		92	%	50 - 150
			D10-Phenanthrene	2025/12/01		80	%	50 - 150
			D12-Benzo(a)pyrene	2025/12/01		92	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/12/01		92	%	50 - 150
			D12-Benzo(ghi)perylene	2025/12/01		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Chrysene	2025/12/01		82	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/12/01		92	%	50 - 150
			D12-Perylene	2025/12/01		94	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/12/01		86	%	50 - 150
			D8-Acenaphthylene	2025/12/01		72	%	50 - 150
			D8-Naphthalene	2025/12/01		70	%	50 - 150
			Benzo(a)pyrene	2025/12/01		88	%	50 - 150
A063709	MPQ	RPD	Benzo(a)pyrene	2025/12/01	5.9		%	50
A063709	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/12/01		78	%	50 - 150
			D10-Fluoranthene	2025/12/01		94	%	50 - 150
			D10-Phenanthrene	2025/12/01		82	%	50 - 150
			D12-Benzo(a)pyrene	2025/12/01		94	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Benzo(ghi)perylene	2025/12/01		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/12/01		94	%	50 - 150
			D12-Chrysene	2025/12/01		84	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/12/01		90	%	50 - 150
			D12-Perylene	2025/12/01		102	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/12/01		84	%	50 - 150
			D8-Acenaphthylene	2025/12/01		78	%	50 - 150
			D8-Naphthalene	2025/12/01		76	%	50 - 150
			Benzo(a)pyrene	2025/12/01	<0.20		ug	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 32669 Sampler Initials: RH

#### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Just Janon
Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS and SVOC
Criotina Bacchua
Cristina (Maria) Bacchus, Project Manager



Your Project #: RAIN CARBON CANADA INC.

Your C.O.C. #: na

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/11/25

Report #: R8657403 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5E3351 Received: 2025/11/12, 08:30

Sample Matrix: Air # Samples Received: 4

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	4	N/A	2025/11/14	4 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	4	N/A	2025/11/14	4 BRL SOP-00304	EPA TO-15 m

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

 $Reference\ Method\ suffix\ "m"\ indicates\ test\ methods\ incorporate\ validated\ modifications\ from\ specific\ reference\ methods\ to\ improve\ performance.$ 

(1) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.



Your Project #: RAIN CARBON CANADA INC.

Your C.O.C. #: na

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/11/25

Report #: R8657403 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C5E3351** 

Received: 2025/11/12, 08:30

**Encryption Key** 

Julian Tong Project Manager Assistant 25 Nov 2025 14:31:08

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

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Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

## **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AXGC94	AXGC95	AXGC96	AXGC97			
Sampling Date		2025/11/09	2025/11/09	2025/11/09	2025/11/09			
COC Number		na	na	na	na			
	UNITS	EAST CANISTER VOC NOVEMBER 9,2025/18262	OLD WEST CANISTER VOC NOVEMBER 9,2025/249	SOUTH CANISTER VOC NOVEMBER 9,2025/124	NEW WEST CANISTER VOC NOVEMBER 9,2025/16087	QC Batch		
Volatile Organics								
Pressure on Receipt	psig	(-4.7)	(-2.1)	(-2.0)	(-3.8)	A055821		
QC Batch = Quality Control Batch								



RAIN CARBON Canada Inc.
Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

# **VOLATILE ORGANICS BY GC/MS (AIR)**

Bureau Veritas ID		AXGC94			AXGC95				
Sampling Date		2025/11/09			2025/11/09				
COC Number		na			na				
	UNITS	EAST CANISTER VOC NOVEMBER 9,2025/18262	ug/m3	DL (ug/m3)	OLD WEST CANISTER VOC NOVEMBER 9,2025/249	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	1.34	4.27	0.319	0.18	0.10	0.573	0.319	A055833
Surrogate Recovery (%)	'		•	'				•	•
Bromochloromethane	%	88	N/A	N/A	91		N/A	N/A	A055833
D5-Chlorobenzene	%	86	N/A	N/A	87		N/A	N/A	A055833
Difluorobenzene	%	89	N/A	N/A	92		N/A	N/A	A055833
RDL = Reportable Detectio QC Batch = Quality Contro N/A = Not Applicable			•			•			

Bureau Veritas ID		AXGC96			AXGC97				
Sampling Date		2025/11/09			2025/11/09				
COC Number		na			na				
	UNITS	SOUTH CANISTER VOC NOVEMBER 9,2025/124	ug/m3	DL (ug/m3)	NEW WEST CANISTER VOC NOVEMBER 9,2025/16087	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	2.39	7.65	0.319	<0.10	0.10	<0.319	0.319	A055833
Surrogate Recovery (%)			•			•			
Bromochloromethane	%	92	N/A	N/A	86		N/A	N/A	A055833
D5-Chlorobenzene	%	88	N/A	N/A	84		N/A	N/A	A055833
Difluorobenzene	%	93	N/A	N/A	87		N/A	N/A	A055833

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch N/A = Not Applicable



RAIN CARBON Canada Inc. Client Project #: RAIN CARBON CANADA INC. Your P.O. #: 4500625271 Sampler Initials: RH

## **GENERAL COMMENTS**

Results relate only to	o the items tested.
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Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A055833	ANE	Spiked Blank	Bromochloromethane	2025/11/14		100	%	60 - 140
			D5-Chlorobenzene	2025/11/14		100	%	60 - 140
			Difluorobenzene	2025/11/14		100	%	60 - 140
			Benzene	2025/11/14		92	%	70 - 130
A055833	ANE	Method Blank	Bromochloromethane	2025/11/14		96	%	60 - 140
			D5-Chlorobenzene	2025/11/14		88	%	60 - 140
			Difluorobenzene	2025/11/14		98	%	60 - 140
			Benzene	2025/11/14	<0.10		ppbv	
A055833	ANE	RPD	Benzene	2025/11/14	2.4		%	25

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



RAIN CARBON Canada Inc. Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Hulanie Habr	
Melanie Mabini, Team Leader	



Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list
Rotek Environmental Inc.
15 Keefer Court
Hamilton, ON
CANADA L8E 4V4

Report Date: 2025/11/27

Report #: R8658912 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5E4435 Received: 2025/11/14, 10:01

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/11/20	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/11/20	BRL SOP-00304	EPA TO-15 m

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

 $Reference\ Method\ suffix\ "m"\ indicates\ test\ methods\ incorporate\ validated\ modifications\ from\ specific\ reference\ methods\ to\ improve\ performance.$ 

(1) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.



Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

**Attention: Ruetgers list** 

Rotek Environmental Inc. 15 Keefer Court Hamilton, ON CANADA L8E 4V4

Report Date: 2025/11/27

Report #: R8658912 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C5E4435** Received: 2025/11/14, 10:01

**Encryption Key** 



Bureau Veritas

27 Nov 2025 13:03:27

Please direct all questions regarding this Certificate of Analysis to: Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com

Phone# (905)817-5763

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This report has been generated and distributed using a secure automated process.



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

# **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AXIC01	
Sampling Date		2025/11/09	
COC Number		na	
	UNITS	STN29164 09-NOV- 25/14240	QC Batch
		23/14240	
Pressure on Receipt	psig	(-4.0)	A060343



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

# **VOLATILE ORGANICS BY GC/MS (AIR)**

Bureau Veritas ID		AXIC01				
Sampling Date		2025/11/09				
COC Number		na				
	UNITS	STN29164 09-NOV- 25/14240	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	<0.10	0.10	<0.319	0.319	A060227
Surrogate Recovery (%)						
Bromochloromethane	%	87		N/A	N/A	A060227
D5-Chlorobenzene	%	88		N/A	N/A	A060227
Difluorobenzene	%	89		N/A	N/A	A060227

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

### **GENERAL COMMENTS**

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A060227	ANE	Spiked Blank	Bromochloromethane	2025/11/20		103	%	60 - 140
			D5-Chlorobenzene	2025/11/20		103	%	60 - 140
			Difluorobenzene	2025/11/20		103	%	60 - 140
			Benzene	2025/11/20		94	%	70 - 130
A060227	ANE	Method Blank	Bromochloromethane	2025/11/20		98	%	60 - 140
			D5-Chlorobenzene	2025/11/20		92	%	60 - 140
			Difluorobenzene	2025/11/20		101	%	60 - 140
			Benzene	2025/11/20	<0.10		ppbv	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Anke Macfarlane, Laboratory Manager, VOC



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/08

Report #: R8664428 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F0283 Received: 2025/11/25, 16:47

Sample Matrix: Air # Samples Received: 4

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	4	N/A	2025/11/28	3 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	4	N/A	2025/11/28	3 BRL SOP-00304	EPA TO-15 m

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

 $Reference\ Method\ suffix\ "m"\ indicates\ test\ methods\ incorporate\ validated\ modifications\ from\ specific\ reference\ methods\ to\ improve\ performance.$ 

(1) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/08

Report #: R8664428

Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F0283 Received: 2025/11/25, 16:47

**Encryption Key** 

Julian Tong Project Manager A

NR Dec 2025 10.42.21

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

\_\_\_\_\_



Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271 Sampler Initials: RH

# **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AXTT18	AXTT20	AXTT21	AXTT22					
Sampling Date		2025/11/21	2025/11/22	2025/11/21	2025/11/21					
COC Number		na	na	na	na					
	UNITS	EAST CANISTER VOC NOVEMBER 21,2025/1257	NORTH CANISTER VOC NOVEMBER 22,2025/18274	SOUTH CANISTER VOC NOVEMBER 21,2025/7849	NEW WEST CANISTER VOC NOVEMBER 21,2025/27660	QC Batch				
Volatile Organics										
Pressure on Receipt	psig	(-4.4)	(-2.6)	(-1.8)	(-3.1)	A065844				
QC Batch = Quality Control Batch										



Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271 Sampler Initials: RH

# **VOLATILE ORGANICS BY GC/MS (AIR)**

Bureau Veritas ID		AXTT18			AXTT20				
Sampling Date		2025/11/21			2025/11/22				
COC Number		na na		na					
	UNITS	EAST CANISTER VOC NOVEMBER 21,2025/1257	ug/m3	DL (ug/m3)	NORTH CANISTER VOC NOVEMBER 22,2025/18274	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	2.58	8.26	0.319	1.54	0.10	4.93	0.319	A063881
Surrogate Recovery (%)	•			-		•	•	•	
Bromochloromethane	%	92	N/A	N/A	94		N/A	N/A	A063881
D5-Chlorobenzene	%	92	N/A	N/A	92		N/A	N/A	A063881
Difluorobenzene	%	94	N/A	N/A	95		N/A	N/A	A063881
RDL = Reportable Detectio QC Batch = Quality Control N/A = Not Applicable				,		•			•

N/A = Not Applicable

Bureau Veritas ID		AXTT21			AXTT22				
Sampling Date		2025/11/21			2025/11/21				
COC Number		na			na				
	UNITS VOC NOVEMBER ug/m3 DL (ug/m3) NOVEMBER		CANISTER VOC	RDL	ug/m3	DL (ug/m3)	QC Batch		
Volatile Organics									
Benzene	ppbv	0.37	1.19	0.319	0.69	0.10	2.20	0.319	A063881
Surrogate Recovery (%)									
Bromochloromethane	%	92	N/A	N/A	94		N/A	N/A	A063881
D5-Chlorobenzene	%	90	N/A	N/A	91		N/A	N/A	A063881
Difluorobenzene	%	94	N/A	N/A	94		N/A	N/A	A063881

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



RAIN CARBON Canada Inc. Client Project #: RAIN CARBON CANADA INC Your P.O. #: 4500625271 Sampler Initials: RH

# **GENERAL COMMENTS**

Results relate only to the items tested.



Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A063881	ANE	Spiked Blank	Bromochloromethane	2025/11/28		106	%	60 - 140
			D5-Chlorobenzene	2025/11/28		105	%	60 - 140
			Difluorobenzene	2025/11/28		105	%	60 - 140
			Benzene	2025/11/28		98	%	70 - 130
A063881	ANE	Method Blank	Bromochloromethane	2025/11/28		103	%	60 - 140
			D5-Chlorobenzene	2025/11/28		93	%	60 - 140
			Difluorobenzene	2025/11/28		104	%	60 - 140
			Benzene	2025/11/28	<0.10		ppbv	
A063881	ANE	RPD	Benzene	2025/11/28	NC		%	25

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271 Sampler Initials: RH

### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Anke Macfarlane, Laboratory Manager, VOC



Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list
Rotek Environmental Inc.
15 Keefer Court
Hamilton, ON
CANADA L8E 4V4

Report Date: 2025/12/08

Report #: R8664427 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5E9337 Received: 2025/11/25, 10:31

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/11/28	3 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/11/28	3 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

 $Reference\ Method\ suffix\ "m"\ indicates\ test\ methods\ incorporate\ validated\ modifications\ from\ specific\ reference\ methods\ to\ improve\ performance.$ 

(1) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.



Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

**Attention: Ruetgers list** 

Rotek Environmental Inc. 15 Keefer Court Hamilton, ON CANADA L8E 4V4

Report Date: 2025/12/08

Report #: R8664427 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C5E9337** Received: 2025/11/25, 10:31

**Encryption Key** 



Bureau Veritas

08 Dec 2025 09:38:35

Please direct all questions regarding this Certificate of Analysis to: Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com

Phone# (905)817-5763

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This report has been generated and distributed using a secure automated process.



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

# **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AXSA47	
Sampling Date		2025/11/21	
COC Number		na	
		STN29164 21-NOV-	
	UNITS	25/23736	QC Batch
Pressure on Receipt	psig		QC Batch A065844



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

# **VOLATILE ORGANICS BY GC/MS (AIR)**

Bureau Veritas ID		AXSA47				
Sampling Date		2025/11/21				
COC Number		na				
	UNITS	STN29164 21-NOV- 25/23736	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.48	0.10	1.53	0.319	A063881
Surrogate Recovery (%)	- <b>-</b>					
Bromochloromethane	%	96		N/A	N/A	A063881
D5-Chlorobenzene	%	93		N/A	N/A	A063881
Difluorobenzene	%	97		N/A	N/A	A063881

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

### **GENERAL COMMENTS**

Results relate only to the items tested.



Bureau Veritas Job #: C5E9337 Report Date: 2025/12/08 Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A063881	ANE	Spiked Blank	Bromochloromethane	2025/11/28		106	%	60 - 140
			D5-Chlorobenzene	2025/11/28		105	%	60 - 140
			Difluorobenzene	2025/11/28		105	%	60 - 140
			Benzene	2025/11/28		98	%	70 - 130
A063881	ANE	Method Blank	Bromochloromethane	2025/11/28		103	%	60 - 140
			D5-Chlorobenzene	2025/11/28		93	%	60 - 140
			Difluorobenzene	2025/11/28		104	%	60 - 140
			Benzene	2025/11/28	< 0.10		ppbv	
A063881	ANE	RPD	Benzene	2025/11/28	NC		%	25

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669 Sampler Initials: RH

### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Anke Macfarlane, Laboratory Manager, VOC



Your Project #: RAIN CARBON CANADA INC.

Your C.O.C. #: NA

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/15

Report #: R8668844 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F2595 Received: 2025/12/02, 17:14

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	<b>Laboratory Method</b>	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/12/04	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/12/04	BRL SOP-00304	EPA TO-15 m

#### Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

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Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

 $Reference\ Method\ suffix\ "m"\ indicates\ test\ methods\ incorporate\ validated\ modifications\ from\ specific\ reference\ methods\ to\ improve\ performance.$ 

(1) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.



Your Project #: RAIN CARBON CANADA INC.

Your C.O.C. #: NA

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/15

Report #: R8668844

Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C5F2595** 

Received: 2025/12/02, 17:14

**Encryption Key** 

Julian Tong Project Manager Assistan

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

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RAIN CARBON Canada Inc. Client Project #: RAIN CARBON CANADA INC. Your P.O. #: 4500625271

Sampler Initials: RH

# **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AXYN61		
Sampling Date		2025/11/26		
COC Number	NA			
	UNITS	ADDITIONAL OLD WEST CANISTER VOC NOVEMBER 26,2025/14899	QC Batch	
Volatile Organics				
Pressure on Receipt	psig	(-3.9)	A068488	
QC Batch = Quality Control Ba	atch			



Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

# **VOLATILE ORGANICS BY GC/MS (AIR)**

	AXYN61							
	2025/11/26							
	NA							
UNITS	ADDITIONAL OLD WEST CANISTER VOC NOVEMBER 26,2025/14899	RDL	ug/m3	DL (ug/m3)	QC Batch			
ppbv	3.25	0.10	10.4	0.319	A067275			
%	85		N/A	N/A	A067275			
%	74		N/A	N/A	A067275			
%	80		N/A	N/A	A067275			
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								
N/A = Not Applicable								
	ppbv  % % % imit	2025/11/26   NA	2025/11/26   NA	2025/11/26   NA	2025/11/26			



RAIN CARBON Canada Inc. Client Project #: RAIN CARBON CANADA INC. Your P.O. #: 4500625271 Sampler Initials: RH

# **GENERAL COMMENTS**

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Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A067275	DVP	Spiked Blank	Bromochloromethane	2025/12/04		104	%	60 - 140
			D5-Chlorobenzene	2025/12/04		102	%	60 - 140
			Difluorobenzene	2025/12/04		101	%	60 - 140
			Benzene	2025/12/04		97	%	70 - 130
A067275	DVP	Method Blank	Bromochloromethane	2025/12/04		104	%	60 - 140
			D5-Chlorobenzene	2025/12/04		99	%	60 - 140
			Difluorobenzene	2025/12/04		103	%	60 - 140
İ			Benzene	2025/12/04	<0.10		ppbv	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Anke Macfarlane, Laboratory Manager, VOC



Your Project #: RAIN CARBON CANADA INC.

Your C.O.C. #: na

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/15

Report #: R8668854 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F4205 Received: 2025/12/04, 16:42

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/12/08	3 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/12/08	3 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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Your Project #: RAIN CARBON CANADA INC.

Your C.O.C. #: na

**Attention: Robin Hart** 

RAIN CARBON Canada Inc. 725 Strathearne Ave North Hamilton, ON CANADA L8H 5L3

Report Date: 2025/12/15

Report #: R8668854

Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C5F4205 Received: 2025/12/04, 16:42

**Encryption Key** 

Julian Tong Project Manager Assistar

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

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RAIN CARBON Canada Inc. Client Project #: RAIN CARBON CANADA INC. Your P.O. #: 4500625271

Sampler Initials: RH

# **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AYBN26	
Sampling Date		2025/11/29	
COC Number		na	
	UNITS	ADDITIONAL NORTH CANISTER VOC NOVEMBER 29,2025/2807	QC Batch
Volatile Organics			
Pressure on Receipt	psig	(-2.4)	A070304
QC Batch = Quality Control Ba	itch		



Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

# **VOLATILE ORGANICS BY GC/MS (AIR)**

Bureau Veritas ID		AYBN26			AYBN26				
Sampling Date		2025/11/29			2025/11/29				
COC Number		na			na				
	UNITS	ADDITIONAL NORTH CANISTER VOC NOVEMBER 29,2025/2807	ug/m3	DL (ug/m3)	ADDITIONAL NORTH CANISTER VOC NOVEMBER 29,2025/2807 Lab-Dup	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	0.64	2.05	0.319	0.69	0.10	2.19	0.319	A069592
Surrogate Recovery (%)									
Bromochloromethane	%	101	N/A	N/A	96		N/A	N/A	A069592
D5-Chlorobenzene	%	111	N/A	N/A	104		N/A	N/A	A069592
Difluorobenzene	%	102	N/A	N/A	94		N/A	N/A	A069592

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

N/A = Not Applicable



RAIN CARBON Canada Inc. Client Project #: RAIN CARBON CANADA INC. Your P.O. #: 4500625271 Sampler Initials: RH

# **GENERAL COMMENTS**

Results relate only	to the	items tested.
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Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A069592	TIM	Spiked Blank	Bromochloromethane	2025/12/08		98	%	60 - 140
			D5-Chlorobenzene	2025/12/08		107	%	60 - 140
			Difluorobenzene	2025/12/08		100	%	60 - 140
			Benzene	2025/12/08		84	%	70 - 130
A069592	TIM	Method Blank	Bromochloromethane	2025/12/08		99	%	60 - 140
			D5-Chlorobenzene	2025/12/08		85	%	60 - 140
			Difluorobenzene	2025/12/08		106	%	60 - 140
			Benzene	2025/12/08	<0.10		ppbv	
A069592	TIM	RPD [AYBN26-01]	Benzene	2025/12/08	6.4		%	25

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.



RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271 Sampler Initials: RH

#### **VALIDATION SIGNATURE PAGE**

The analytical data and all QC contained in this report were reviewed and validated by:

Anke Macfarlane, Laboratory Manager, VOC

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

APPENDIX E

Field Notes



38 38

Station : East

**Location** : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Quarter Q4

# **PUF - Station Logs**

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m <sup>3</sup> )	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
						1			T	T	1	
04-Oct-25	AVQQ15-01	AVQQ15-01	03-Oct-25	36	5542.23	38	5565.52	07-Oct-25	329.9	23.29	RH	
04 001 20	PUF#1	711 44 10 01	17:57	00	00 12.20	00	0000.02	12:31	020.0	20.20	14.1	
16-Oct-25	AVRL26-01	AVRL26-01	15-Oct-25	36	5565.52	36	5588.80	20-Oct-25	321.1	23.28	RH	
16-001-25	PUF#1	AVILZO-01	17:08	30	3303.32	30	3300.00	12:41	321.1	23.20	KH	
28-Oct-25	AVRL51-01	AVRL51-01	27-Oct-25	38	5588.81	34	5612.22	29-Oct-25	325.5	23.41	RH	
26-001-25	PUF#1	AVILUT-UT	16:16	36	5500.01	34	3012.22	16:18	323.3	23.41	KH	
09-Nov-25	AWWL21-01	AWWL21-01	07-Nov-25	36	5612.23	34	5635.59	11-Nov-25	323.8	23.36	RH	
03-N0V-23	PUF#1	AWWL21-01	16:24	30	5012.25	34	3033.39	11:58	323.0	23.30	IXII	
21-Nov-25	AWWL35-01	۵۱۸/۱۸/۱ ع5_01	20-Nov-25	36	5635 60	30	5658.86	25-Nov-25	313.6	23.26	RH	
21-1100-23	PUF#1	AWWL35-01	17:56	30	5635.60 30	30	5056.60	12:21	313.0	25.20	INIT	



Station : North

Location : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
04.0-4.05	AVQQ16-01	AV/0040.04	03-Oct-25	00	0775 07	00	0700.40	07-Oct-25	207.0	00.40	BU	
04-Oct-25	PUF#2	AVQQ16-01	18:06	30	3775.97	28	3799.46	12:55	307.9	23.49	RH	
16-Oct-25	AVRL27-01	AVRL27-01	15-Oct-25	34	3799.47	36	3822.93	20-Oct-25	325.3	23.46	RH	
16-001-25	PUF#2	AVKL27-01	17:22	- 34	3199.41	30	3022.93	12:49	323.3	23.40	КП	
28-Oct-25	AVRL52-01	AVRL52-01	27-Oct-25	34	3822.94	32	3846.34	29-Oct-25	319.6	23.40	RH	
26-001-25	PUF#2	AVILUZ-UT	16:47	34	3022.94	32	3040.34	16:26	319.0	23.40	KH	
09-Nov-25	AWWL22-01	AWWL22-01	07-Nov-25	34	3846.34	30	3869.80	11-Nov-25	318.7	23.46	RH	
09-1407-23	PUF#2	AVVVLZZ-01	16:38	34	3040.34	30	3009.00	12:07	310.7	25.40	IXII	
21-Nov-25	AWWL36-01	AWWL36-01	20-Nov-25	38 3869.87		32	2002.25	25-Nov-25	326.9	23.48	RH	
21-1400-23	PUF#2	AVVVL30-01	18:13	30	3869.87	32	3893.35	12:34	320.9	20.40	IXII	



Station : Old West

Location : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
									1	1	1	1
04-Oct-25	AVQQ17-01	AVQQ17-01	03-Oct-25	36	5399.55	36	5423.28	07-Oct-25	313.9	23.73	RH	
04 001 20	PUF#3	711 44 17 01	19:02	00	0000.00	00	0120.20	14:01	010.0	20.70	14.1	
16-Oct-25	AVRL28-01	AVRL28-01	15-Oct-25	38	5423.29	36	5447.07	20-Oct-25	326.0	23.78	RH	
16-001-25	PUF#3	AVILZO-01	18:35	30	5425.29	30	3447.07	13:38	320.0	23.76	KH	
28-Oct-25	AVRL53-01	AVRL53-01	27-Oct-25	38	5447.07	34	5470.77	29-Oct-25	324.4	23.70	RH	
26-001-25	PUF#3	AVKL55-01	17:44	30	5447.07	34	5470.77	17:23	324.4	23.70	КП	
09-Nov-25	AWWL23-01	AWWL23-01	07-Nov-25	38	5470.77	30	5494.46	11-Nov-25	319.9	23.69	RH	
U9-NOV-25	PUF#3	AVVVVLZ3-U1	17:41	30	5470.77	30	5494.46	13:00	319.9	23.09	КП	
21-Nov-25	AWWL37-01	AWWL37-01	20-Nov-25	20	30 5494.57	30	5518.25	25-Nov-25	302.7	23.68	RH	
21-1404-25	PUF#3		19:05	30				13:25		23.00	INΠ	



Station : South

Location : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m <sup>3</sup> )	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
	AV/0040.04		00.0.4.05	<b>i</b> i		<b>i</b> i		07.0-1.05	Ī	1		
04-Oct-25	AVQQ18-01	AVQQ18-01	03-Oct-25	36	5303.55	30	5326.49	07-Oct-25	318.8	22.94	RH	
	PUF#4		18:33					13:23	0.70.0			
16-Oct-25	AVRL29-01	AVRL29-01	15-Oct-25	36	5326.50	36	5349.43	20-Oct-25	306.4	22.93	RH	
10-001-25	PUF#4	AVILZ9-01	17:47	30	3320.30	30	3349.43	13:07	300.4	22.93	KH	
28-Oct-25	AVRL54-01	AVRL54-01	27-Oct-25	34	5349.43	34	5372.35	29-Oct-25	301.7	22.92	RH	
26-001-25	PUF#4	AVNL34-01	17:07	34	3349.43	34	3372.33	16:47	301.7	22.92	KH	
09-Nov-25	AWWL24-01	AWWL24-01	07-Nov-25	34	5272.26	32	5395.27	11-Nov-25	300.2	22.91	RH	
09-1400-25	PUF#4	AVVVVL24-01	16:57	34	5372.36	32	5595.21	12:22	300.2	22.91	KH	
21-Nov-25	AWWL38-01	AWWL38-01	20-Nov-25	36 5395.28	5305 28	32	5/18 2/	25-Nov-25	300.0	22.96	RH	
21-1400-25	PUF#4		18:33	30	5395.28	32	5418.24	12:54	300.0	22.90	INIT	



Station : New West

**Location** : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
04.0-4.05	AVQQ19-01	AV/0040.04	03-Oct-25	00	5400.00	00	5450.40	07-Oct-25	044.0	00.50	BU	
04-Oct-25	PUF#5	AVQQ19-01	18:46	38	5129.60	36	5153.19	13:41	311.2	23.59	RH	
16-Oct-25	AVRL30-01	AVRL30-01	15-Oct-25	38	E1E2 10	36	5176.75	20-Oct-25	312.1	23.56	RH	
16-001-25	PUF#5	AVKL30-01	18:25	30	5153.19	30	5176.75	13:24	312.1	23.50	КП	
28-Oct-25	AVRL55-01	AVRL55-01	27-Oct-25	38	5176.76	36	5200.45	29-Oct-25	317.4	23.69	RH	
28-001-25	PUF#5	AVILUU-UT	17:24	36	3170.70	30	5200.45	17:05	317.4	23.09	KH	
09-Nov-25	AWWL25-01	Δ\Λ/\Λ/I 25_01	07-Nov-25	38	5200.45	3/1	5224.05	11-Nov-25	314.9	23.60	RH	
09-1107-25	PUF#5	AWWL25-01	17:18	30	5200.45	34	3224.03	12:37	514.9	23.00	IXII	
21-Nov-25	AWWL39-01	AWWL39-01	20-Nov-25	38	38 5224.11	38	5247.49	25-Nov-25	318.4	23.38	RH	
21-1404-25	PUF#5		18:48	30	0224.11	50	0247.49	13:08	310.4	20.50	IMI	



Station : East

Location : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister#	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
04-Oct-25	17177	03-Oct		-30.0		-10.5	07-Oct-25		24.0	RH		
04-001-23	17177	18:00		-30.0		-10.5	12:33		24.0	IXII		
16-Oct-25	14543	15-Oct		-30.0		-10.0	20-Oct-25		24.0	RH		
10-001-23	14040	17:14		-30.0		-10.0	12:43		24.0	IMI		
28-Oct-25	14238	27-Oct		-30.0		-11.0	29-Oct-25		24.0	RH		
20-001-23	14230	16:22		-30.0		-11.0	16:20		24.0	IXII		
09-Nov-25	18262	07-Nov		-30.0		-11.0	11-Nov-25		24.0	RH		
U3-NUV-23	10202	16:30		-30.0		-11.0	12:00		24.0	ПΠ		
21-Nov-25	1257	20-Nov		-30.0		-11.0	25-Nov-25		24.0	RH		
21-1400-25	1237	18:02	]	-50.0		-11.0	12:25		24.0	INT		



Station : North

Location : 725 Strathearne Avenue N, Hamilton

Period October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
04-Oct-25	37352	03-Oct		-30.0		-7.0	07-Oct-25		24.0	RH		
01 001 20	0.002	18:12		00.0			12:57		20			
16-Oct-25	262	15-Oct		-30.0		-6.0	20-Oct-25		24.0	RH		
10-001-25	202	17:35		00.0		0.0	12:51		24.0	141		
28-Oct-25	256	27-Oct		-30.0		-30.0	29-Oct-25		24.0	RH		The October 28, 2025, MECP monitoring day VOC monitor summa canister off pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
		16:53					16:29					
30-Oct-25	256	29-Oct		-30.0		-7.0	31-Oct-25		24.0	RH		Additional North VOC Monitor October 30, 2025, monitoring day and succesful sample.
		16:37					17:06					
09-Nov-25	14917	07-Nov		-30.0		-30.0	11-Nov-25		24.0	RH		The November 9, 2025, MECP monitoring day VOC monitor summa canister off
U9-NOV-25	14917	16:42		-30.0		-30.0	12:09		24.0	КП		
21-Nov-25	7865	20-Nov		-28.0		-24.0	25-Nov-25		24.0	RH		The November 21, 2025, MECP monitoring day VOC monitor summa canister off
21-NOV-25	7800	18:21		-28.0		-24.0	12:37		24.0	KH		<b>,</b>
22-Nov-25	18274	21-Nov		-30.0		-7.0	25-Nov-25		24.0	RH		Additional North VOC Monitor November 22, 2025, monitoring day.
22-NUV-25	102/4	11:15		-30.0		-1.0	12:38		24.0	ПΠ		,,
29-Nov-25	2807	28-Nov		-30.0		-6.0	02-Dec-25		24.0	RH		Additional North VOC Monitor November 29, 2025, monitoring day.
29-NUV-23	2001	18:39		-30.0		-0.0	17:30		24.0	ПП		• •



Station : Old West

Location : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
	070	03-Oct					07-Oct-25		04.0	5		The October 4, 2025, MECP monitoring day VOC monitor summa canister
04-Oct-25	278	19:09		-30.0		0.0	14:10		24.0	RH		pressure on receipt was 0 inches Hg due to a suspected VOC sampler timer valve
11-Oct-25	140	10-Oct		-29.0		-0.5	14-Oct-25		24.0	RH		Additional Old West VOC Monitor October 11, 2025 monitoring day. Unsuccessful
11 001 20	140	18:34		20.0		0.0	15:39		24.0	141		sample as pressure on receiot was not within MECP guidance limits.
16-Oct-25	18231	15-Oct		-30.0		-9.0	20-Oct-25		24.0	RH		
16-Oct-25	10231	18:14		-30.0		-9.0	15:10		24.0	КП		
21-Oct-25	14926	20-Oct		-30.0		-30.0	23-Oct-25		24.0	RH		Additional Old West VOC Wednesday October 22, 2025 monitoring day. The summa canister pressure on receipt was 0
21-001-25	14920	15:20		-30.0		-30.0	13:51		24.0	KH		inches Hg due to a suspected VOC sampler timer valve leak.
25-Oct-25	32572	24-Oct		-30.0		-9.0	27-Oct-25		24.0	RH		Additional Old West VOC Saturday October 25, 2025 monitoring day and
25-001-25	32372	17:39		-30.0		-9.0	17:45		24.0	КП		succesful sample.
28-Oct-25	18241	27-Oct		-30.0		-6.0	29-Oct-25		24.0	RH		
20-001-23	10241	17:50		-30.0		-0.0	17:25		24.0	IXII		
09-Nov-25	249	07-Nov		-30.0		-6.0	11-Nov-25		24.0	RH		
09-1407-23	243	17:33		-30.0		-0.0	13:18		24.0	IXII		
21-Nov-25	14899	20-Nov		-29.0		-29.0	25-Nov-25		24.0	RH		The November 21, 2025, MECP monitoring day VOC monitor summa canister off
21 1134-20	1-1000	19:10		25.0		25.0	13:28		2.4.0	1411		pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
26-Nov-25	14899	25-Nov		-29.0		-9.5	27-Nov-25		24.0	RH		Additional successful Old West VOC Wednesday November 26, 2025 monitoring
20 1134-20	1-1000	13:30		25.0		0.0	11:10		24.0	1311		day.



Station : South

Location : 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
04-Oct-25	23732	03-Oct		-30.0		-6.0	07-Oct-25		24.0	RH		
04-001-25	23732	18:36		-30.0		-0.0	13:25		24.0	ΝП		
16-Oct-25	7820	15-Oct		-30.0		-5.5	20-Oct-25		24.0	RH		
10-001-25	7020	17:51		-30.0		-0.0	13:09		24.0	IXII		
28-Oct-25	121	27-Oct		-30.0			29-Oct-25		24.0	RH		
20-001-23	121	17:11		-30.0					24.0	IXII		
09-Nov-25	124	07-Nov		-30.0		-6.0	11-Nov-25		24.0	RH		
05-1407-23	124	17:02		-30.0		-0.0	12:24		24.0	IXII		
21-Nov-25	7849	20-Nov		-29.0		-5.5	25-Nov-25		24.0	RH		
21-1404-20	7043	18:42		-23.0		-0.0	12:57		24.0	IXII		



Station : New West

**Location**: 725 Strathearne Avenue N, Hamilton

Period : October 1 to December 31, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
04-Oct-25	18240	03-Oct		-30.0		-7.5	07-Oct-25		24.0	RH		
04-001-25	10240	18:49		-30.0		-7.5	13:48		24.0	КП		
16-Oct-25	2767	15-Oct		-28.0		-6.0	20-Oct-25		24.0	RH		
16-001-25	2/0/	18:05		-20.0		-0.0	13:26		24.0	ΝП		
28-Oct-25	14531	27-Oct		-28.0			29-Oct-25		24.0	RH		
20-001-25	14551	17:28		-20.0					24.0	ΝП		
09-Nov-25	16087	07-Nov		-30.0		-7.5	11-Nov-25		24.0	RH		
U9-NUV-25	10067	17:22		-30.0		-7.5	12:38		24.0	ΝП		
21-Nov-25	27660	20-Nov		-28.0		-6.0	25-Nov-25		24.0	RH		
21-1407-25	27660	18:50		-20.0		-0.0	13:11		24.0	INT		