



REPORT

March 2025 Ambient Air Monitoring Report Rain Carbon Canada Inc.

Submitted by:

Rain Carbon Canada Inc.

725 Strathearne Avenue North Hamilton, Ontario L8H 5L3

April 2025





Distribution List

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Table of Contents

1.0	INTRODUCTION	5
2.0	AMBIENT MONITORING STATIONS	6
	SUMMARY OF MONITORING EQUIPMENT CONDITIONS	
4.0	SUMMARY OF BENZENE MEASUREMENTS	7
5.0	SUMMARY OF B(A)P MEASUREMENTS	8
6.0	CONCLUSIONS	9
TAE	BLES	
Tab	le 1: Rain Carbon Ambient Air Quality Monitoring Stations	6
Tab	le 2: Summa Canister Pressures on Receipt	6
Tab	le 3: PUF Filter Total Volumes	6
Tab	le 4: Summary of March 2025 Benzene Measurements	7
Tab	le 5: Summary of March 2025 B(a)P Measurements	9
FIG	URES	
Figu	re 1: Monitor and Source Locations	7
Figu	re 2: Monitor Location on the South Side of the Facility	7
Figu	re 3: Monitor Locations on the West Side of the Facility	8
Figu	re 4: Monitor Locations on the North Side and East Side of the Facility	8

APPENDICES

APPENDIX A

Monitoring Plan

APPENDIX BLaboratory Analysis

APPENDIX C

Chain of Custody Forms

APPENDIX D

Certificates of Analysis

APPENDIX E

Field Notes

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 seventy eighth monthly report submitted as part of the Rain Carbon ambient monitoring program and summarizes the measurements taken in March 2025.

The ambient air monitoring measurements for March 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 conducted monitoring for benzene and B(a)P monitoring off site at the HAMN station 29164 from April 2022 through December 2022 and resumed monitoring on March 7, 2023.

This report includes the following information for measurements taken in March 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.

B(a)P

For the March 2025 B(a)P monitoring results, all the recorded PUF volumes were inside the MECP specified range of between 293.6 m³ and 358.8 m³ over 24 hours except for the following:

On the **March 2, 2025, MECP monitoring event**, the east, old west and south B(a)P monitors all recorded total PUF volumes under the minimum volume requirement of 293.6 m3. Therefore, these three samples were invalidated. In addition, at the new west B(a)P monitor no sample was obtained as there was no power activation to the new west B(a)P monitor.

Power was restored to the new west B(a)P monitor, which was operated again on the **March 4**, **2025**, **monitoring event (new west monitor only)** where the total PUF volume recorded was under the minimum volume requirement of 293.6 m3. Therefore, this new west monitor sample was invalidated.

On the **March 14, 2025, MECP monitoring event**, the east, north and STN 29164 B(a)P monitors all recorded total PUF volumes recorded under the minimum volume requirement of 293.6 m3. Therefore, these three samples were invalidated.

In response to the invalid samples a Saturday March 29, 2025, Additional B(a)P only monitoring event was scheduled which resulted in all six B(a)P samplers sampling successfully.

After investigating the reason for the invalid samples noted above Rain Carbon replaced all six B(a)P monitors with new motors prior to the March 14, 2025, MECP monitoring event, but this did not resolve the problem. Additionally, BVL made changes to the supply of the PUF cartridge and filter media allowing for reduced pressure drop as the sample air flows through the unit which allowed for successful sampling on March 26 and March 29, 2025. BVL will provide a summary investigation report in due course.

Benzene

All the benzene summa canister pressures on receipt were within the recommended MECP guidance pressures on receipt of between -5 inches Hg and -10 inches Hg.

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

Monitoring Event	Benzene	SUMMA Canis (inch				
Date	East	North	Old West	South	New West	HAMN STN 29164
March 2	- 6.72	- 6.11	- 4.07	- 9.37	- 6.73	- 6.72
March 14	- 8.75	- 7.33	- 7.33	- 9.37	- 6.92	- 7.53
March 26	- 8.14	- 7.13	- 6.52	- 8.55	- 6.72	- 7.94

Table 3: PUF Filter Total Volumes

Monitovino		+				
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
March 2	258.5*	305.1	242.9*	233.2*	0.00**	323.6
March 4 (new west monitoring event only)	-	-	-		191.7*	•
March 14	275.0*	268.2*	320.3	303.89	325.9	259.5 *
March 26	340.1	330.6	331.9	296.0	310.4	331.6
March 29 (additional monitoring event)	339.0	330.0	340.3	328.1	331.1	336.1

^{*}Total PUF volumes recorded were under the minimum volume requirement of 293.6 m³

^{**}Sample not obtained as no power activation to the new west B(a)P monitor.

4.0 SUMMARY OF BENZENE MEASUREMENTS

Table 4: Summary of March 2025 Benzene Measurements

Manitanina Frant		Mea				
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
March 2	16.9	1.43	0.738	2.95	0.755	0.664
March 14	2.04	1.75	5.00	42.5	1.22	0.753
March 26	312	1.32	1.03	5.32	1.11	0.905

Three sets of benzene measurements were taken in March 2025. The measurements range from 0.664 $\mu g/m^3$ to 312 $\mu g/m^3$ benzene, with the highest value being detected at the east monitor during the Wednesday March 26, 2025, MECP monitoring event.

All the benzene concentrations measured during the three March 2025 MECP monitoring events were below the 24-hour Upper Risk Threshold (URT) of $100 \,\mu\text{g/m}^3$ benzene, except for on the **Wednesday March 26, 2024, MECP monitoring event** where the **east monitor measured 312 \mu\text{g/m}^3 benzene.** This east monitor benzene result was likely impacted by a nearby process water line leak on March 26, 2025, which resulted in VOC fugitive emissions. The process water line leak was reported to the MECP Spills Action Centre and has been repaired.

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

Manitanina		Me					
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164	
March 2	Invalid sample*	0.00374	Invalid sample*			< 0.00031	
March 4 (new west monitoring event only)	-	-	-	-	Invalid sample*	-	
March 14	Invalid sample*	Invalid sample*	0.00069	0.00053	0.00043	Invalid sample*	
March 26	0.00400	0.00115	0.00036	0.00041	< 0.00032	0.00036	
March 29 (additional monitoring event)	< 0.00030	< 0.00030	< 0.00029	< 0.00030	< 0.00030	< 0.00030	

^{*}Invalid sample as the total PUF volumes recorded were under the minimum volume requirement of 293.6 m^{3.}

The March 2025 B(a)P measurements ranged from < $0.00029 \,\mu\text{g/m}^3$ to $0.00400 \,\mu\text{g/m}^3$ B(a)P, with the highest value being detected at the **east monitor** during the **March 26, 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.

In response to the invalid samples a **Saturday March 29, 2025, Additional B(a)P only monitoring event** was scheduled which resulted in all six B(a)P samplers sampling successfully.

After investigating the reason for the invalid samples noted above Rain Carbon replaced all six B(a)P monitors with new motors prior to the March 14, 2025, MECP monitoring event, but this did not resolve the problem. Additionally, BVL made changes to the supply of the PUF cartridge and filter media allowing for reduced pressure drop as the sample air flows through the unit which allowed for successful sampling on March 26 and March 29. 2025. BVL will provide a summary investigation report in due course.

All valid B(a)P concentrations measured during the March 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

^{**} Sample not obtained as no power activation to the new west B(a)P monitor.

All the valid B(a)P concentrations measured during the March 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.

For the March 2025 B(a)P monitoring results, all the recorded PUF volumes were inside the MECP specified range of between 293.6 m³ and 358.8 m³ over 24 hours except for the following:

On the **March 2, 2025, MECP monitoring event**, the east, old west and south B(a)P monitors all recorded total PUF volumes recorded under the minimum volume requirement of 293.6 m3. Therefore, these three samples were invalidated. In addition, at the new west B(a)P monitor no sample was obtained as there was no power activation to the new west B(a)P monitor. Power was restored to the new west B(a)P monitor, which was operated again on the **March 4, 2025, monitoring event (new west monitor only)** where the total PUF volume recorded was under the minimum volume requirement of 293.6 m3. Therefore, this new west monitor sample was invalidated.

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All the benzene summa canister pressures on receipt were within the recommended MECP guidance pressures on receipt of between - 5 inches Hg and - 10 inches Hg.

All the benzene concentrations measured during the three March 2025 MECP monitoring events were below the 24-hour Upper Risk Threshold (URT) of $100~\mu g/m^3$ benzene, except for on the **Wednesday March 26, 2024, MECP monitoring event** where the **east monitor measured 312 \mu g/m^3 benzene.** This east monitor benzene result was likely impacted by a nearby process water line leak on March 26, 2025, which resulted in VOC fugitive emissions. The process water line leak was reported to the MECP Spills Action Centre and has been repaired.

Signature Page

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APPENDIX A Monitoring Plan





REPORT

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

Submitted to:

Distribution List

Submitted by:

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September 2020

Distribution List

- 1 PDF Copy MECP, SDB, Toronto
- 1 PDF Copy MECP, Hamilton District Office, Hamilton
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Table of Contents

1.0 INT	RODUCTION	1
1.1	Description of the Facility 1	
1.2	Description of the Process 1	
1.3	Operating Schedule 1	
2.0 AIR	QUALITY MONITORING PROGRAM	2
2.1	Sampling Systems and Methodology	2
2.1.1 (Calibration	2
2.2	Monitor Locations	3
2.2.1 5	Siting Criteria	4
2.3	Meteorological Data and Background Concentrations	4
2.4	Laboratory Analysis	5
2.5	Review of Monitoring Locations	5
3.0 RE	PORTING	6
3.1	Measured Level Threshold	6
4.0 CLC	OSURE	6
TABLES	3	
Table 2.1	1: Standard Operation Procedures for Monitoring	2
Table 2.2	2: Relocation Details and Justification	3
Table 2.3	3: Monitor Locations Comparison to MECP Siting Criteria	4
Table 2.4	4: Meteorological Station Information	5
Table 2.5	5: Analytical Methodology	5

FIGURES

Figure 1 – Site Plan

Figure 2 – Environmental Monitor Locations

APPENDICES

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 Inlet 3 to 1 m above grade 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	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	Meets minimum separation distance from roadway (10 m)	paration 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(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

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Robin S. Hart P.Eng.

Environmental Engineer

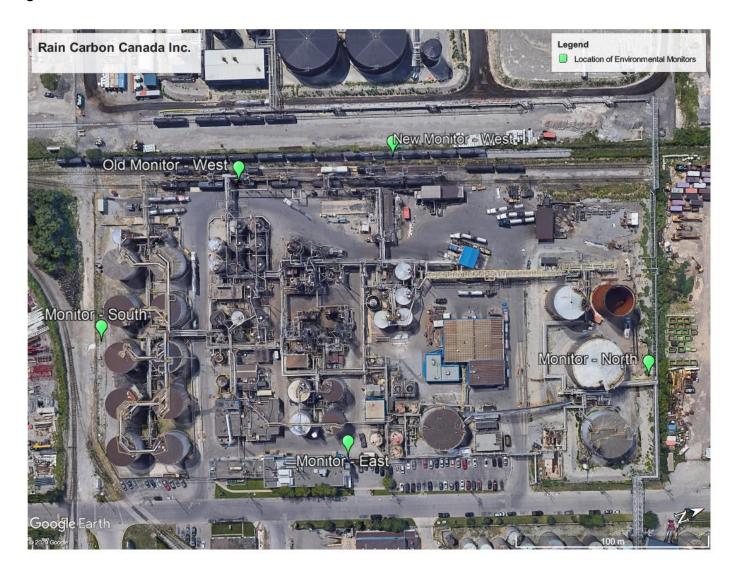
Rain Carbon Canada Inc.

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.





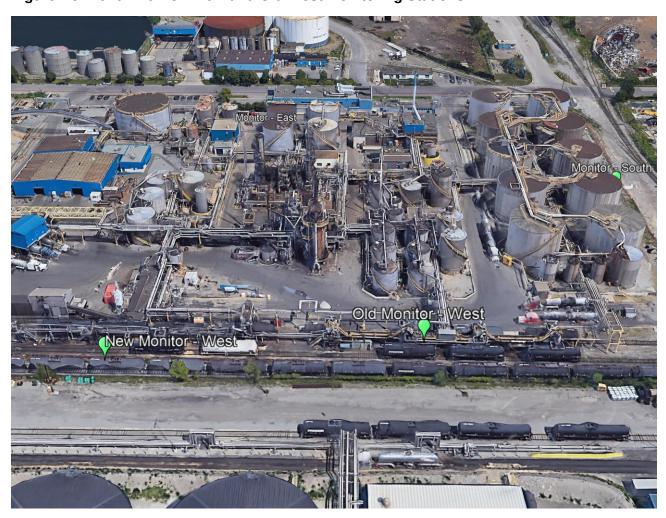
North monitor

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

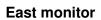




Figure A4: Aerial View 4 – East Monitoring Station

APPENDIX B

Laboratory Analysis

Rain Carbon Canada Inc. - Monthly BaP Sampling Report

Reporting Period : March 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		

BaP
ng/m³
0.315
0.8

Sample Date			
March 2, 2025			
March 14, 2025			
March 26, 2025			
March 29, 2025(additional monitoring event)			

Location					
East	North	Old West	South	New West	STN29164
Invalid sample**	3.74	Invalid sample**	Invalid sample**	No sample***	0.155*
Invalid sample**	Invalid sample**	0.69	0.53	0.43	Invalid sample*
4.0	1.15	0.36	0.41	0.16	0.36*
0.15	0.15	0.145	0.15	0.15	0.15*

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

2.08	1.68	0.40	0.36	0.25	0.22*
4.0	3.74	0.69	0.53	0.43	0.36*
0.15	0.15	0.145	0.15	0.15	0.15*
0	0	0	0	0	0*
2	3	3	3	3	3*
66	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^{3.**} 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 : March 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
March 2, 2025
March 14, 2025
March 26, 2025

Location								
East North Old West South New West STN29								
16.9	1.43	0.738	2.95	0.755	0.664			
2.04	1.75	5.00	42.5	1.22	0.753			
312	1.32	1.03	5.32	1.11	0.905			

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

110.3	1.50	2.26	16.92	1.03	0.774
312	1.75	5.00 42.5 1.22		0.905*	
2.04	1.32	0.738	738 2.95 0.755		0.664*
1	0	0	0 0 0		0*
3	3	3	3	3	3*
100	100	100	100	100	100*

^{*}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 : March 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
02-Mar-25						0.15
14-Mar-25						
26-Mar-25						0.36
29-Mar-25						0.15
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.22
Monthly Max	0.00	0.00	0.00	0.00	0.00	0.36
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	3
% Valid Data	100	100	100	100	100	100

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

Comments

March 14th, 2025 sample missed/invalid. Additional Sample taken March 29th 2025 as substitute.

Rain Carbon Canada Inc. - VOC Sampling Report

Reporting Period : March 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	
02-Mar-25						0.66	
14-Mar-25						0.75	
26-Mar-25						0.91	
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.77	
Monthly Max	0.00	0.00	0.00	0.00	0.00	0.91	
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.66	
No. of Samples >Standard	0	0	0	0	0	0	
No. of Valid Samples	0	0	0	0	0	3	
% Valid Data	100	100	100	100	100	100	

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

Con	nments		

APPENDIX C

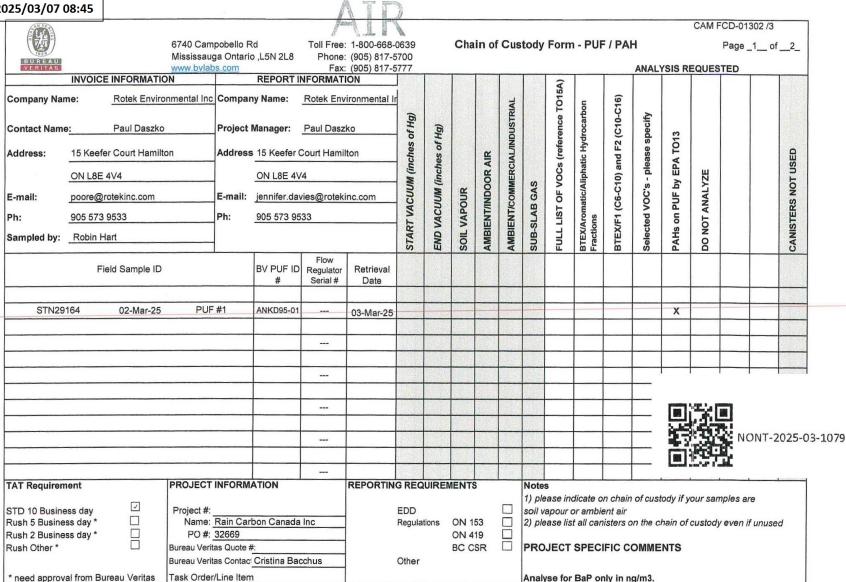
Chain of Custody Forms



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VERITAS	www.bvlabs.com		Fax: (905) 817-5	(11	PAHs on PUF as per ERP 7013		Т		1 1	ANAL	SIS RE	QUEST	ED		
	Company Name: Rain Carbon	Canada Inc.			T / W IS ON T OF AS PER ENT POPO		1 1		1						
CLIENT	below below							1						ļ	
INFORMATION	Project Manager: Robin Hart e-mail: robin.hart@	raincarbon com			4	1	1 1	ŀ	1 1		le l		88	1	1
	Address: 725Strathea				†		ĺ								
SECTION	Hamilton, O						1 1				ĺ		85		5
	Phone: 1-647-281-8	094	Fax:				1		1 1				39		
	Sampled by: Robin Hart			35					1 1						
Field Sample ID		Total Volume Sampled Flo	Collection Date	Sample Collection Time						HATO S			200		
East Monitor PAH March	2, 2025 ANJP64-01	258.50	2-Mar-25	24 hours			<u> </u>		1						
North Monitor PAH March		305.10	2-Mar-25	24 hours	x				1						
Old West Monitor PAH Ma	The care and the State Commencer of the	242,90	2-Mar-25	24 hours									-		
South Monitor PAH March		233,20	2-Mar-25	24 hours											Su
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* need approval from Bur			Regulation					KUJEC I SI	ECIFIC	CONN	ENIS				
Veritas		Cristina Bacchus		4											
Client Signature: Robin		Received by: -		177	N FRANC										
Affiliation: Enviro	nmental Engineer Mar-25 1:00 PM	Affiliation:	· · · · · · · · · · · ·	-											
		Date/Time:	MIN	1677	ns and Conditions. Signing of this Chain of	4/10						10 10.5			
and-conditions	amy, work submitted on this Ghain or C	uotouy is subject to But	read vertus Laboratories	sidffalfa (6/fi	A	Sustoay ac	ocument is a	rknowieagmen	ниа ассер	nance of	uur terms	avallenie	er BRD://W	dawa.ww	ernre)vmoo.
				rt.	110 0660	JAA.		8							

Client Signature: Doug Cunningham

Date/Time:



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

Received by:

Date/Time:

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

daszko@rotekinc.com



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

PAH Sample Submission Sheet

Sample Date	02-Mar-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 Cartridge #	Maxxam Filter ID #	Install Date	MAGN On inH2O	Removal Date Removal-Time	MAGN Off inH20	Total Volume	Submission Date
STN29164	02 Mar 2025	PUF #1	ANKD94-01	28-Feb-25	38	03-Mar-25	33	OOO C	Pinne research alle 18 ener 2 anne negers
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	Company Name:	Rain Carbon	Canada Inc.																
CLIENT																			
INFORMATION	Project Manager:																		
			aincarbon.com				4												
OFOTION	Address:	725Stratheau																	
SECTION		Hamilton, ON	V																
	Phone:	1-647-281-8	094	Fax:															
	Sampled by:	Robin Hart			_														
			T	l	1	Sample													_
			Total Volume		Collection	Collection													
Field Sample ID			Sampled	Flow Rate	Date	Time													
East Monitor PAH March	n 14, 2025 AOKI11-	01	290.30		14-Mar-25	24 hours													
North Monitor PAH Marc	ch 14, 2025 AOKI12	-01	290.50		14-Mar-25	24 hours													
Old West Monitor PAH I	March 14, 2025 AOI	<13-01	320.30		14-Mar-25	24 hours	x												
South Monitor PAH Mare	ch 14, 2025 AOKI14	l-01	303.90		14-Mar-25	24 hours	x												
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Rush 2 Business day *		4500610028								PROJE	CT SPE	ECIFIC	COMM	ENTS					
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Veritas		BV Contact:	Cristina Bacc																
	n Hart		Received by:					_											
	ronmental Engineer		Affiliation:					_											
Date/Time: 19	2 Mar 25 2:00 DM	· · · · · · · · · · · · · · · · · · ·	Date/Time:							ı									

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

CAM	FCD.	-0130	2 /3

TAZE TAZE BUREAU

6740 Campobello Rd
Mississauga Ontario, L5N 2L8

Toll Free: 1-800-668-0639

Chain of Custody Form - Summa™ Canister

Page _ 1

Mississauga Ontario ,L5N 2L8 Phone: (905) 817-5700 www.bvlabs.com Fax: (905) 817-5777 ANALYSIS REQUESTED REPORT INFORMATION **INVOICE INFORMATION** FULL LIST OF VOCs (reference TO15A BTEX/F1 (C6-C10) and F2 (C10-C16) AMBIENT/COMMERCIAL/INDUSTRIAL BTEX/Aromatic/Aliphatic Hydrocarbon Fractions Company Name: Rain Carbon Canada Ind Company Name: Rain Carbon Canada Selected VOC's - please specify START VACUUM (inches of Hg) of Hg) Project Manager: Robin Hart Contact Name: Robin Hart NOT USED AMBIENT/INDOOR AIR Address: 725Strathearne Avenue Address: 725Strathearne Avenue Hamilton, ON Hamilton, ON **SUB-SLAB GAS** SOIL VAPOUR E-mail: robin.hart@raincarbon.com E-mail: robin.hart@raincarbon.com CANISTERS Ph: 1-647-281-8094 Ph: 1-647-281-8094 Other Sampled by: Robin Hart Flow Collection Canister Field Sample ID Regulator Serial # Serial # Date East Canister VOC March 14, 2025 14076 14-Mar-25 North Canister VOC March 14, 2025 7841 14-Mar-25 Old West Canister VOC March 14, 2025 23656 14-Mar-25 283 South Canister VOC March 14, 2025 14-Mar-25 7805 New West Canister VOC March 14, 2025 14-Mar-25 **TAT Requirement** PROJECT INFORMATION REPORTING REQUIREMENTS **Notes** 1) please indicate on chain of custody if your samples are \checkmark STD 10 Business day Project #: Rain Carbon Canada Inc. EDD soil vapour or ambient air Name: Robin Hart Rush 5 Business day * ON 153 2) please list all canisters on the chain of custody even if unused Regulations Rush 2 Business day * PO #: 4500610028 ON 419 Rush Other * BC CSR PROJECT SPECIFIC COMMENTS Bureau Veritas Quote #: Cristina Bacchus Bureau Veritas Contact: Other * need approval from Bureau Veritas Task Order/Line Item Client Signature: Robin Hart Environmental Engineer Received by: PLEASE RETURN ALL UNUSED EQUIPMENT Date/Time: 18-Mar-25 2:00 PM Date/Time:



Confirmation of Sample Receipt

Bureau Veritas Job Number: C533884 Job Received: 2025/03/28

> Final Report Due: 2025/04/11 Disposal Date: 2025/04/27

Invoice Information

Attn: DONNA POORE Rotek Environmental Inc.

15 Keefer Court

Hamilton, ON, L8E 4V4

Report Information

Attn: Ruetgers list Rotek Environmental Inc. 15 Keefer Court

Hamilton, ON, L8E 4V4

Email to:

daszko@rotekinc.com york.zhang@raincarbon.com robin.hart@raincarbon.com rami.zaineh@raincarbon.com jennifer.davies@rotekinc.com

Project Information

Quote #: C35649 **PO/AFE#:** 32669

Project #:

Site Location: RAIN CARBON CANADA INC

Sampled By: RH

Analytical Summary

					alysis
Lab ID	Client Sample ID	Sampling Date/Time	Matrix	# Cont.	No Analysis
COC#	N/A				
APIN31	STN29164 14- MARCH-25 PUF #1	2025/03/14	PUF	2	

Include Criteria on CofA: No

Sample Inspection Observations & Comments

of Samples Received: 1

Details: Sample(s) received in good condition.

Average Temperature: Package 1: 0.3 °C

Additional Notes

- Unless special storage arrangements are made, all samples will be disposed 30 days after receipt. Additional fees may be applied for extended storage.
- Additional fees may be applied for the disposal of hazardous samples.

^{**}The contents of this report are subject to change. For up to date information, please refer to the Customer Portal.**



Confirmation of Sample Receipt

Bureau Veritas Job Number: C533884 Job Received: 2025/03/28 Final Report Due: 2025/04/11

Disposal Date: 2025/04/27

Parameter Summary

Package/Test	Parameter	Unit	Samples

EU VE		A	TF													CAM	CD-01	302 /3	
	npobello F		-40 Mg M3	1-800-668-6			Cha	in of	Cus	tody	Form	- PUF	/ PA	H			Page_	_1 of	_2_
BUREAU WWW.bVI		o ,L5N 2Ľ8		(905) 817-5 (905) 817-5										ANAL	YSIS R	EQUES	TED		
INVOICE INFORMATION		REPORT I	NFORMAT	ION		1					F								
Company Name: Rotek Environmental Ir	Compa	ny Name:	Rotek Env	ironmental Ir					RIAL		FULL LIST OF VOCs (reference TO15A)	pou	C16)						
Contact Name: Paul Daszko	Project	Manager:	Paul Dasz	ko	of Hg)	(BH J			AMBIENT/COMMERCIAL/INDUSTRIAL		erence	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	T013				
Address: 15 Keefer Court Hamilton	Address	15 Keefer (Court Hami	lton	START VACUUM (inches	END VACUUM (inches of Hg)		AIR	CIALII		s (refe	atic Hy	and F2	ease	PA TO				SED
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E-mail: poore@rotekinc.com	E-mail:	jennifer.dav	vies@rotek	inc.com	וכתר	DUM	OUR	INDC	COM	3 GA	- OF	atic//	O-90	,00°	J.	ANALYZE			S NC
Ph: 905 573 9533	Ph:	905 573 95	33		TY V	VAC	VAP	ENT/	ENT	SLAE	LIST	Arom	JF1 (ted \	on	OT A			STEF
Sampled by: Robin Hart	-		,		STAR	END	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBI	SUB-SLAB GAS	FULL	BTEX	BTEX	Selec	PAHs on PUF by EPA	DO NOT			CANISTERS NOT USED
Field Sample ID		BV PUF ID	Flow Regulator Serial #	Retrieval Date															
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STN29164 14-Mar-25 PL	F #1	ANXU01-01		15-Mar-25											(X			
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* need approval from Bureau Veritas Task Ord	er/Line Iten	n								Analy	se for	BaP or	nlv in n	a/m3.					
Client Signature: Doug Cunningham		Received by:	1	-	71	CF	w	_		1		result	-		ng@rai	ncarbo	n.com.		
Date/Time: March 28 2025 / (1): 2)	Date/Time:	lam			2	٧	0/0	2/1	robin	.hart@	rainca tekinc.	rbon.co					c.com,	
Unless otherwise agreed to in writing, work submitted on this Clavailable at http://www.bylabs.com/terms-and-conditions	hain of Custo		70	s Laboratories' s	tandard	Terms a	and Con							ent is acki	nowledgn	nent and	acceptano	e of our t	terms



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

PAH Sample Submission Sheet

Sample Date	14-Mar-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

Pur	chase 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	MAGN Off InH2O	Total Volume m3	Submission Date
STN29164	14 Mar 2025	PUF#1	ANXU00-01	13-Mar-25	22	15-Mar-25	22	259,5	en og er miger fyrikelige genge græ
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BUREAU	6740 Campobello Rd Mississauga Ontario ,L www.bvlabs.com	5N 2L8	Phone	1-800-668-0 (905) 817-5 (905) 817-5	700	CHAIN OF CUSTODY FORM - A	MR		,	MALYSIS	REQUEST		Page _	of
VEHIXS	Company Name: Rain Carbor	Canada Inc.	T dx.	(303) 017-3	777	PAHs on PUF as per ERP 7013			TŤ	NALISIS	KEQUEST			
CLIENT INFORMATION	Project Manager: Robin Hart e-mail: robin.hart@		1											
SECTION	Address: 725Strathea Hamilton, O													
	Phone: 1-647-281-8 Sampled by: Robin Hart	094	Fax											
Field Sample ID		Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time				1.					
East Monitor PAH March	26, 2025 AOKI34-01	340.09		26-Mar-25	24 hours	x								
North Monitor PAH March	26, 2025 AOKI35-01	330.60	- /	26-Mar-25	24 hours	x								
Old West Monitor PAH M	arch 26, 2025 AOKI36-01	331.90	i	26-Mar-25	24 hours	x	۲							
South Monitor PAH March	n 26, 2025 AOKI37-01	296.00	1	26-Mar-25	24 hours	x				Burn				
New West Monitor PAH N	March 26, 2025 AOKI38-01	310.40		26-Mar-25	24 hours	x .			3 6 1		NONT-	2025-0	3-61	72
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TAT Requirement STD 10 Business day Rush 5 Business day* Rush 2 Business day 7 * need approval from Bur Veritas	PO #: 4500625271 BV Quote #	Canada Inc.	hus	REPORTIN Summary R Regulation		MENTS 2		Notes Please note If submitting jar opening i PROJECT S	dustfall sa n cm.	mples, plea	se indicate			
Client Signature: Robin		Received by:	103		appe	· ·								
Affiliation: Enviro	nmental Engineer	Affiliation: Date/Time:	1	2400	1086	17/3 9/97/10								
Unless otherwise agreed to in wa	riting, work submitted on this Chain of C	ustody is subject to	Bureau Ven	as Laboratories	standard Term	s and Conditions. Signing of this Chain of Custody	document i	s acknowledgme	nt and accept	ance of our te	rms available	at http://ww	ww.bvlabs	.com/terms-
1 24						V (ILA	000							



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

VOC Canister Sample Submission Sheet

Sample Date	26-Mar-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/y	dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST
STN29164	14901	26-Mar-25	24-Mar-25	13:00	-30.0	00:01	23:59	24.0	-9.0	27-Mar-25	14:45

Comment 1:

Comment 2:

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BUREAU				a Ontario ,L	5N 2L8	Toll Free: Phone:	_{(f} C533			ı			ly	Form	- Sun	nma™				age _2 of	_2_
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Contact Name	:	Paul Daszko		Project Ma	nager:	Paul Daszk	0	START VACUUM (inches of Hg)	Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		rence	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify				į, ku
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E-mail:	poore@r	otekinc.com		E-mail:	jennifer.da	vies@roteki	nc.com	COU	NOW (OUR	OQNI	COMIN	3 GAS	OF	atic/A	C6-C	s.00/	Do Not Analyze			SS NC
Ph:	905 573	9533		Ph:	905 573 95	33		7 7	ACI	/AP	NT/	IN	LA	LIST	Aron	F1 (pa				TEF
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Client Signature	Doug Cu	nningham			Received by		A Lindy	Vone	2				Plea	ase co	py resu	Its to y	ork.zha	ang@ra	incarbon.	.com,	
Date/Time:	Marc	ch 28 2025	10:2	0	Date/Time:		A Circly 2025/03/	128	11:2	20					t@rainc		.com, je	nnifer.	davies@r	otekinc.co	m,
Unless otherwise a			itted on this Cha	sin of Custody i	s subject to Bur	eau Veritas La	poratories' standard Term		anditions.	Signin	g of this	Chain d	of Cust	ody doc	ıment is a	cknowled	dgment a	nd accepta	ance of our i	erms available	e at

												CAM F	CD-0130	2 /3
BUREAU	6740 Campobello Rd Mississauga Ontario ,L	5N 2L8	Phone:	1-800-668- (905) 817-5	700	CHAIN OF CUSTODY FORM - AIR							Page _	of
CLIENT	www.bvlabs.com Company Name: Rain Carbon	Canada Inc.	Fax:	(905) 817-5	5777	PAHs on PUF as per ERP 7013	T		A	NALYSIS	REQUEST	ED		
INFORMATION	Project Manager: Robin Hart e-mail: robin,hart@ Address: 725Strathea Hamilton. O	rne Avenue	1											
ozonon	Phone: 1-647-281-8		Fax:											
	Sampled by: Robin Hart													
Field Sample ID		Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time									
East Monitor PAH March	1 29, 2025 APAX49-01	339.00		29-Mar-25	24 hours	x								
North Monitor PAH Marc	ch 29, 2025 APAX50-01	330.00		29-Mar-25	24 hours	x								
Old West Monitor PAH N	March 29, 2025 APAX51-01	340.30		29-Mar-25	24 hours	x								
South Monitor PAH Marc	ch 29, 2025 APAX52-01	328.10		29-Mar-25	24 hours	x								
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Unless otherwise agreed to in and-conditions	writing, work submitted on this Chain of C	ustody is subject to	Bureau Veri	tas Laboratorie:	s' standard Term	s and Conditions. Signing of this Chain of Custody docume	ent is acknow	edgment a	and accepta	ance of our te	ms available	at http://	www.bvlabs	com/terms-



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												CAM F	CD-0130	2 /3
BUREAU	6740 Campobello Rd Mississauga Ontario ,L	5N 2L8	Phone:	1-800-668- (905) 817-5	700	CHAIN OF CUSTODY FORM - AIR							Page _	of
CLIENT	www.bvlabs.com Company Name: Rain Carbon	Canada Inc.	Fax:	(905) 817-5	5777	PAHs on PUF as per ERP 7013	T		A	NALYSIS	REQUEST	ED		
INFORMATION	Project Manager: Robin Hart e-mail: robin,hart@ Address: 725Strathea Hamilton. O	rne Avenue	1											
ozonon	Phone: 1-647-281-8		Fax:											
	Sampled by: Robin Hart													
Field Sample ID		Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time									
East Monitor PAH March	1 29, 2025 APAX49-01	339.00		29-Mar-25	24 hours	x								
North Monitor PAH Marc	ch 29, 2025 APAX50-01	330.00		29-Mar-25	24 hours	x								
Old West Monitor PAH N	March 29, 2025 APAX51-01	340.30		29-Mar-25	24 hours	x								
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Unless otherwise agreed to in and-conditions	writing, work submitted on this Chain of C	ustody is subject to	Bureau Veri	tas Laboratorie:	s' standard Term	s and Conditions. Signing of this Chain of Custody docume	ent is acknow	edgment a	and accepta	ance of our te	ms available	at http://	www.bvlabs	com/terms-



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E-mail:	poore@rotekinc.com	E-	-mail:	jennifer.dav	ries@roteki	nc.com	JCOU	UUM	OUR	IINDC	COM	B GA	LOF	natic/A	0-90	1,00/	UF b	NOT ANALYZE			SS NC
Ph:	905 573 9533	Ph	h:	905 573 95	33		TV.	MC	VAP	ENT	ENT	SLA	LIS.	Aron	/F1 (bed	on	DT.A			STE
Sampled by:	Robin Hart						STAR	END	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBII	SUB-SLAB GAS	FULL	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX	Select	PAHs on PUF by	DO NG			CANISTERS NOT USED
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	Doug Cunningham			Received by:		MIN	Nex	mi	_1	15	K	-		result:			ıg@rair	ncarbo	n.com,		
Date/Time:	March 31 2025	10:55		Date/Time:	U	רול ב נב	_				0	robin daszl	.hart@ ko@rot	raincar tekinc.c	bon.co	om, jen	nifer.da	avies@	rotekind		
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15 Keefer Court Hamilton Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

PAH Sample Submission Sheet

Sample Date	29-Mar-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@ralncarbon.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	29 Mar 2025	PUF #1 APBG46-01	APBG45-01	28-Mar-25 09:30	38	31-Mar-25 09:30	38	336.1	31-Mar-25
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Company Nar	me: Rotek Enviro	onmental Inc	ompan	y Name:	Rotek Env	ironmental Ir	n				RIAL		T016	rbon	-C16)	۸.					
Contact Name	e: Paul Daszko	Pr	roject I	Vlanager:	Paul Dasz	ko	of Hg	(BHJ			NDUST		erence	droca	2 (C10	specif	13				
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E-mail:	poore@rotekinc.com	E-	-mail:	jennifer.dav	ries@roteki	nc.com	JCOU	UUM	OUR	IINDC	COM	B GA	LOF	natic/A	0-90	1,00/	UF b	NOT ANALYZE			SS NC
Ph:	905 573 9533	Ph	h:	905 573 95	33		TV.	MC	VAP	ENT	ENT	SLA	LIS.	Aron	/F1 (bed	on	DT.A			STE
Sampled by:	Robin Hart						STAR	END	SOIL	AMBI	AMBII	SUB-	FULL	BTEX// Fractio	BTEX	Select	PAHs	DO NG			CANISTERS NOT USED
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	Doug Cunningham			Received by:		MIN	Nex	mi	_1	15	K	-		result:			ıg@rair	ncarbo	n.com,		
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15 Keefer Court Hamilton Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

PAH Sample Submission Sheet

Sample Date	29-Mar-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@ralncarbon.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	29 Mar 2025	PUF #1 APBG46-01	APBG45-01	28-Mar-25 09:30	38	31-Mar-25 09:30	38	336.1	31-Mar-25
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Julian Tong

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6740 Campobello Rd Mississauga Ontario ,L5N 2

www.bvlabs.com ANALYSIS REQUESTED AIR-001 INVOICE INFORMATION FULL LIST OF VOCs (reference TO15A BTEX/F1 (C6-C10) and F2 (C10-C16) **AMBIENT/COMMERCIAL/INDUSTRIAL** Company Name: Rain Carbon Canada Ind Company Name: Rain Carbon Canada BTEX/Aromatic/Aliphatic Hydrocarbon Selected VOC's - please specify START VACUUM (inches of Hg) END VACUUM (inches of Hg) Contact Name: Robin Hart Project Manager: Robin Hart CANISTERS NOT USED Address: 725Strathearne Avenue Address: 725Strathearne Avenue AMBIENT/INDOOR AIR Hamilton, ON Hamilton, ON SUB-SLAB GAS SOIL VAPOUR robin.hart@raincarbon.com E-mail: robin.hart@raincarbon.com E-mail: 1-647-281-8094 Ph: 1-647-281-8094 Other Sampled by: Robin Hart Flow Field Sample ID Canister Regulator Collection Serial # Serial # Date East Canister VOC March 2, 2025 14506 02-Mar-25 North Canister VOC March 2, 2025 17177 02-Mar-25 32592 Old West Canister VOC March 2, 2025 02-Mar-25 South Canister VOC March 2, 2025 7865 02-Mar-25 New West Canister VOC March 2, 2025 14525 02-Mar-25 **TAT Requirement** PROJECT INFORMATION REPORTING REQUIREMENTS 1) please indicate on chain of custody if your samples are V STD 10 Business day Project #: Rain Carbon Canada Inc. EDD soil vapour or ambient air Rush 5 Business day * Name: Robin Hart Regulations ON 153 2) please list all canisters on the chain of custody even if unused Rush 2 Business day * PO #: 4500610028 ON 419 Rush Other * П BC CSR PROJECT SPECIFIC COMMENTS Bureau Veritas Quote #: Bureau Veritas Contact: Cristina Bacchus Other * need approval from Bureau Veritas Task Order/Line Item Client Signature: Robin Hart Environmental Engineer Received by: < WW 3/14 Date/Time: 3-Mar-25 1:00 PM Date/Time: PLEASE RETURN ALL UNUSED EQUIPMENT



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

VOC Canister Sample Submission Sheet

Sample Date	02-Mar-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
7101111001		dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST
STN29164	18265	02-Mar-25	28-Feb-25	10:30	-30.0	00:01	23:59	24.0	-8.5	03-Mar-25	11:15

Comment 1 :

Comment 2 :

07-Mar-25 08:45 Cristina (Maria) Bacchus

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Form - Summa™ Canister

		Mississauga Ontario ,I	5N 218	Phone:		2430	2					· OIII	- Sun	IIIIa	Carris	itei		age _z	_ '' _	
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Company Nan	Rotek Enviro	nmental Inc Company	Name:	Rotek Envi	ronmental Inc	8				IRIAL		FULL LIST OF VOCs (reference TO15A)	ucpou	(C6-C10) and F2 (C10-C16)	~					
Contact Name	Paul Daszko	Project Ma	nager:	Paul Daszl	(0	VACUUM (inches of Hg)	(BH			AMBIENT/COMMERCIAL/INDUSTRIAL		erenc	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	(C10	Selected VOC's - please specify					
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E-mail:	poore@rotekinc.com	E-mail:	jennifer.da	vies@rotek	inc.com	ACU	VACUUM	SOIL VAPOUR	AMBIENT/INDOOR AIR	COM	SUB-SLAB GAS	TOF	natic/	0-90)	NOC.	o Not		V		CANISTERS NOT USED
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	agreed to in writing, work submi com/terms-and-conditions	itted on this Chain of Custody	s subject to Bui	reau Veritas La	boratories' standard Ten	ns and Co	onditions	Signin	g of this	s Chain	of Cus	tody doc	ument is a	cknowle	dgment a	nd accept	ance of ou	r terms av	allable at	fi

Julian Tong U 11 1 852 10 9 12 12 12 12 14 01 01 0 14 015

tody Form - Summa™ Canister

CAM FCD-01302 /3

6740 Campobello Rd Page C529294 Mississauga Ontario ,L5N 2L8 www.bylabs.com ANALYSIS REQUESTED REPORT INI C1V AIR-001 INVOICE INFORMATION FULL LIST OF VOCs (reference TO154 BTEX/F1 (C6-C10) and F2 (C10-C16) Company Name: Rain Carbon Canada Ind Company Name: Rain Carbon Canada BTEX/Aromatic/Aliphatic Hydrocarbon **AMBIENT/COMMERCIAL/INDUSTRIAL** Selected VOC's - please specify START VACUUM (inches of Hg) END VACUUM (inches of Hg) Contact Name: Robin Hart Project Manager: Robin Hart CANISTERS NOT USED Address: 725Strathearne Avenue 725Strathearne Avenue Address: AMBIENT/INDOOR Hamilton, ON Hamilton, ON SUB-SLAB GAS SOIL VAPOUR E-mail: robin.hart@raincarbon.com E-mail: robin.hart@raincarbon.com Ph: 1-647-281-8094 Ph: 1-647-281-8094 Other Sampled by: Robin Hart Flow Field Sample ID Canister Collection Regulator Serial # Serial # Date East Canister VOC March 14, 2025 14076 14-Mar-25 North Canister VOC March 14, 2025 7841 14-Mar-25 Old West Canister VOC March 14, 2025 23656 14-Mar-25 South Canister VOC March 14, 2025 283 14-Mar-25 New West Canister VOC March 14, 2025 7805 14-Mar-25 TAT Requirement PROJECT INFORMATION REPORTING REQUIREMENTS 1) please indicate on chain of custody if your samples are STD 10 Business day 2 Project #: Rain Carbon Canada Inc. EDD soil vapour or ambient air Rush 5 Business day * Name: Robin Hart Regulations ON 153 2) please list all canisters on the chain of custody even if unused Rush 2 Business day * PO #: 4500610028 ON 419 Rush Other * Bureau Veritas Quote #: BC CSR PROJECT SPECIFIC COMMENTS Bureau Veritas Contact: Cristina Bacchus Other * need approval from Bureau Veritas Task Order/Line Item SUGAR SAWAN Client Signature: Robin Hart Environmental Engineer 2:00 PM PLEASE RETURN ALL UNUSED EQUIPMENT Date/Time: 18-Mar-25

1122821



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

VOC Canister Sample Submission Sheet

Sample Date	14-Mar-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
1001111021		dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST
STN29164	14895	14-Mar-25	11-Mar-25	10:30	-30.0	00:01	23:59	24.0	-9.0	15-Mar-25	09:30
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	Comment 2	310									

6740 Campobello Rd Mississauga Ontario, L5N 2L8

Cristina (Maria) Bacchus C529612

CAM FCD-01302 /3

Page _2_ of __2_ orm - Summa™ Canister

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need approval from Bureau Veritas Task Order/Line Item Received by: Suck Salvati Please copy results to york.zhang@raincarbon.com, robin.hart@raincarbon.com, jennifer.davies@rotekinc.com, daszko@rotekinc.com Ite/Time: March 19 2025 / Do A.m. Date/Time: 2 2 2 5 / 3 / 19 / 11:09 daszko@rotekinc.com Resceived by: Suck Salvati Please copy results to york.zhang@raincarbon.com, robin.hart@raincarbon.com, jennifer.davies@rotekinc.com, daszko@rotekinc.com Resceived by: Suck Salvati Please copy results to york.zhang@raincarbon.com, and in the complete	Rush 5 Business day * Name: Rain Carbon Canada Inc Rush 2 Business day * PO #: 32669 Rush Other * Bureau Veritas Quote #:						EDD						even if unu	ised						
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			itted on this Chain of Custody				ms and Co	nditions.	Signin	g of this	Chain					dgment a	nd accept	tance of our	r terms availa	ble at



Julian Tong M FCD-01302 /3 Toll Free: 1-800-668-0639 Chain of Custody Form - Summa™ (C534357 Page 6740 Campobello Rd Phone: (905) 817-5700 Mississauga Ontario ,L5N 2L8 Fax: (905) 817-5777 www.bylabs.com CIV AIR-001 REPORT INFORMATION INVOICE INFORMATION FULL LIST OF VOCs (reference TO15A BTEX/F1 (C6-C10) and F2 (C10-C16) Rain Carbon Canada **AMBIENT/COMMERCIAL/INDUSTRIAL** Company Name: Rain Carbon Canada Ind Company Name: Selected VOC's - please specify START VACUUM (inches of Hg) of Hg) Contact Name: Robin Hart Project Manager: Robin Hart 725Stratheame Avenue 725Stratheame Avenue AMBIENT/INDOOR AIR Address: Address: END VACUUM (inches Hamilton, ON Hamilton, ON CANISTERS NOT 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 Canister Field Sample ID Regulator Date Serial # Serial # RUSH 2 BUSINESS DAY ONLY ANALYSIS EAST ONLY East Canister VOC March 26, 2025 114 26-Mar-25 North Canister VOC March 26, 2025 292 26-Mar-25 Old West Canister VOC March 26, 2025 14533 26-Mar-25 26-Mar-25 27665 South Canister VOC March 26, 2025 New West Canister VOC March 26, 2025 1241 26-Mar-25 PROJECT INFORMATION REPORTING REQUIREMENTS TAT Requirement 1) please indicate on chain of custody if your samples are J soil vapour or ambient air STD 10 Business day Project #: Rain Carbon Canada Inc. EDD Regulations ON 153 Rush 5 Business day Name: Robin Hart 2) please list all canisters on the chain of custody even if unused Rush 2 Business day * \mathbb{Z} PO#. 4500625271 ON 419 BC CSR E PROJECT SPECIFIC COMMENTS Rush Other * Bureau Veritas Quote #: Bureau Veritas Contact Cristina Bacchus * need approval from Bureau Veritas Task Order/Line Item Client Signature: Robin Hart Environmental Engineer 1:00 PM 28-Mar-25



AND THE RESIDENCE OF THE PARTY	Company Name: Project Manager:	Rain Carbon Ca	nada			可强	2007/15			-	Julian Tong Chain of Custody Form - Summa C.							
AND THE STREET STREET STREET STREET	Hamilton,	eame Avenue ON @raincarbon.com		START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBIENT/COMMERCIAL/INDUSTRIAL	SUB-SLAB GAS	FULL LIST OF VOCs (reference TO15A	BTEX/Aromatic/Allphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	AIR-001				CANISTERS NOT USED
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pm																		

Page 1 of 1



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

VOC Canister Sample Submission Sheet

Sample Date	26-Mar-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	14901	26-Mar-25	24-Mar-25	13:00	-30.0	00:01	23:59	24.0	-9.0	27-Mar-25	14:45	

Comment 1:

Comment 2:

6							Cristina (1				S				- 700				CAM FC	0-01302 /3		
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Contact Name	:	Paul Daszko		Project Ma	nager:	Paul Daszk	0	START VACUUM (inches of Hg)	Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		rence	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify				į, ku	
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E-mail:	poore@r	otekinc.com		E-mail:	jennifer.davies@rotekinc.com			COU	MOL	OUR	INDO	COMIN	3 GAS	OF	atic/A	O-95	\$,00/	Do Not Analyze			SS NC	
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Client Signature	Doug Cu	nningham			Received by		A Lindy	Vene	2				Plea	ase co	py resu	Its to y	ork.zha	ang@ra	incarbon.	com,		
Date/Time:	Marc	ch 28 2025	10:2	0	Date/Time:		A Circly 2025/03/	128	11:2	20					t@rainc		.com, je	nnifer.	davies@r	otekinc.co	m,	
Unless otherwise a			itted on this Cha	sin of Custody i	s subject to Bur	eau Veritas La	poratories' standard Term		anditions.	Signing	of this	Chain d	of Cust	ody doc	ıment is a	cknowled	dgment a	nd accepta	ance of our t	erms available	e at	

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: 2025/03/19

Report #: R8505541 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C523549
Received: 2025/03/04, 16:40

Sample Matrix: Puf And Filter # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/03/05	2025/03/19	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/03/08	2025/03/15	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/03/05		

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 (k) 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: 2025/03/19

Report #: R8505541

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C523549 Received: 2025/03/04, 16:40

Encryption Key

Julian Tong

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

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.



Site Location: RAIN CARBON CANADA INC.

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		AOPL79							
Sampling Date		2025/03/02							
COC Number		N/A							
	UNITS	NORTH MONITOR PAH MARCH 2, 2025 ANJP65-01	QC Batch						
	m3	305.1	ONSITE						
Volume	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		AOPL79		
Sampling Date		2025/03/02		
COC Number		N/A		
	UNITS	NORTH MONITOR PAH MARCH 2, 2025 ANJP65-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	1.14	0.10	9887496
Surrogate Recovery (%)			•	
D10-2-Methylnaphthalene	%	74		9887496
D10-Fluoranthene	%	97		9887496
D10-Fluorene (FS)	%	82		9887496
D10-Phenanthrene	%	89		9887496
D12-Benzo(a)anthracene	%	97		9887496
D12-Benzo(a)pyrene	%	88		9887496
D12-Benzo(b)fluoranthene	%	98		9887496
D12-Benzo(ghi)perylene	%	92		9887496
D12-Benzo(k)fluoranthene	%	91		9887496
D12-Chrysene	%	94		9887496
D12-Indeno(1,2,3-cd)pyrene	%	93		9887496
D12-Perylene	%	92		9887496
D14-Dibenzo(a,h)anthracene	%	95		9887496
D14-Terphenyl (FS)	%	98		9887496
D8-Acenaphthylene	%	77		9887496
D8-Naphthalene	%	70		9887496
RDL = Reportable Detection Li	mit			
QC Batch = Quality Control Bat	tch			



Report Date: 2025/03/19

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		AOPL79							
Sampling Date		2025/03/02							
COC Number		N/A							
	UNITS	NORTH MONITOR PAH MARCH 2, 2025 ANJP65-01	RDL	QC Batch					
Calculated Parameters									
Benzo(a)pyrene	ug/m3	0.00374	0.00033	9885857					
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



Site Location: RAIN CARBON CANADA INC.

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

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C52354! Report Date: 2025/03/19 RAIN CARBON Canada Inc.

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
9887496	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/03/15		88	%	50 - 150
			D10-Fluoranthene	2025/03/15		99	%	50 - 150
			D10-Phenanthrene	2025/03/15		95	%	50 - 150
			D12-Benzo(a)anthracene	2025/03/15		95	%	50 - 150
			D12-Benzo(a)pyrene	2025/03/15		96	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/03/15		97	%	50 - 150
			D12-Benzo(ghi)perylene	2025/03/15		94	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/03/15		94	%	50 - 150
			D12-Chrysene	2025/03/15		92	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/03/15		96	%	50 - 150
			D12-Perylene	2025/03/15		96	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/03/15		97	%	50 - 150
			D8-Acenaphthylene	2025/03/15		94	%	50 - 150
			D8-Naphthalene	2025/03/15		86	%	50 - 150
			Benzo(a)pyrene	2025/03/15		100	%	50 - 150
9887496	CTC	RPD	Benzo(a)pyrene	2025/03/15	0		%	50
9887496	CTC	Method Blank	D10-2-Methylnaphthalene	2025/03/15		80	%	50 - 150
			D10-Fluoranthene	2025/03/15		97	%	50 - 150
			D10-Phenanthrene	2025/03/15		88	%	50 - 150
			D12-Benzo(a)anthracene	2025/03/15		94	%	50 - 150
			D12-Benzo(a)pyrene	2025/03/15		95	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/03/15		97	%	50 - 150
			D12-Benzo(ghi)perylene	2025/03/15		92	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/03/15		91	%	50 - 150
			D12-Chrysene	2025/03/15		92	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/03/15		93	%	50 - 150
			D12-Perylene	2025/03/15		95	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/03/15		93	%	50 - 150
			D8-Acenaphthylene	2025/03/15		83	%	50 - 150
			D8-Naphthalene	2025/03/15		72	%	50 - 150
			Benzo(a)pyrene	2025/03/15	<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



Site Location: RAIN CARBON CANADA INC.

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

Attention: Ruetgers list

Rotek Environmental Inc.

15 Keefer Court

Hamilton, ON

CANADA L8E 4V4

Report Date: 2025/03/20

Report #: R8506023 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C524307 Received: 2025/03/07, 08:45

Sample Matrix: Puf And Filter # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/03/07	2025/03/20	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/03/08	2025/03/15	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/03/07	,	

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 (k) 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: Ruetgers list

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

Report Date: 2025/03/20

Report #: R8506023 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C524307 Received: 2025/03/07, 08:45

Encryption Key



Bureau Veritas

20 Mar 2025 13:10:18

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.



Report Date: 2025/03/20

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		AOQV72	
Sampling Date		2025/03/02	
COC Number		N/A	
		STN29164	
	UNITS	02-MAR-25 PUF#1	QC Batch
Volume	m3		QC Batch 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		AOQV72		
Sampling Date		2025/03/02		
COC Number		N/A		
	UNITS	STN29164 02-MAR-25 PUF#1	RDL	QC Batch
Benzo(a)pyrene	ug	<0.10	0.10	9887496
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	86		9887496
D10-Fluoranthene	%	102		9887496
D10-Fluorene (FS)	%	88		9887496
D10-Phenanthrene	%	96		9887496
D12-Benzo(a)anthracene	%	88		9887496
D12-Benzo(a)pyrene	%	94		9887496
D12-Benzo(b)fluoranthene	%	94		9887496
D12-Benzo(ghi)perylene	%	85		9887496
D12-Benzo(k)fluoranthene	%	91		9887496
D12-Chrysene	%	85		9887496
D12-Indeno(1,2,3-cd)pyrene	%	87		9887496
D12-Perylene	%	57		9887496
D14-Dibenzo(a,h)anthracene	%	88		9887496
D14-Terphenyl (FS)	%	98		9887496
D8-Acenaphthylene	%	96		9887496
D8-Naphthalene	%	77		9887496
RDL = Reportable Detection Li QC Batch = Quality Control Ba				



Site Location: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		AOQV72		
Sampling Date		2025/03/02		
COC Number		N/A		
		STN29164		
	UNITS	02-MAR-25 PUF#1	RDL	QC Batch
Benzo(a)pyrene	ng/m3		RDL 0.31	QC Batch 9887185

QC Batch = Quality Control Batch



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 #: C524307 Report Date: 2025/03/20 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
9887496	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/03/15		88	%	50 - 150
			D10-Fluoranthene	2025/03/15		99	%	50 - 150
			D10-Phenanthrene	2025/03/15		95	%	50 - 150
			D12-Benzo(a)anthracene	2025/03/15		95	%	50 - 150
			D12-Benzo(a)pyrene	2025/03/15		96	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/03/15		97	%	50 - 150
			D12-Benzo(ghi)perylene	2025/03/15		94	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/03/15		94	%	50 - 150
			D12-Chrysene	2025/03/15		92	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/03/15		96	%	50 - 150
			D12-Perylene	2025/03/15		96	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/03/15		97	%	50 - 150
			D8-Acenaphthylene	2025/03/15		94	%	50 - 150
			D8-Naphthalene	2025/03/15		86	%	50 - 150
			Benzo(a)pyrene	2025/03/15		100	%	50 - 150
9887496	CTC	RPD	Benzo(a)pyrene	2025/03/15	0		%	50
9887496	CTC	Method Blank	D10-2-Methylnaphthalene	2025/03/15		80	%	50 - 150
			D10-Fluoranthene	2025/03/15		97	%	50 - 150
			D10-Phenanthrene	2025/03/15		88	%	50 - 150
			D12-Benzo(a)anthracene	2025/03/15		94	%	50 - 150
			D12-Benzo(a)pyrene	2025/03/15		95	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/03/15		97	%	50 - 150
			D12-Benzo(ghi)perylene	2025/03/15		92	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/03/15		91	%	50 - 150
			D12-Chrysene	2025/03/15		92	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/03/15		93	%	50 - 150
			D12-Perylene	2025/03/15		95	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/03/15		93	%	50 - 150
			D8-Acenaphthylene	2025/03/15		83	%	50 - 150
			D8-Naphthalene	2025/03/15		72	%	50 - 150
			Benzo(a)pyrene	2025/03/15	<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: 2025/03/27

Report #: R8510640 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C529257 Received: 2025/03/18, 15:50

Sample Matrix: Puf And Filter # Samples Received: 3

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	3	2025/03/19	2025/03/19	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	3	2025/03/21	2025/03/24	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	3	N/A	2025/03/19	1	

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 (k) 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: 2025/03/27

Report #: R8510640

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C529257

Received: 2025/03/18, 15:50

Encryption Key

Julian Tong Project Manager

Project Manager Assista 28 Mar 2025 12:02:36

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		APAJ09 2025/03/14 N/A	APAJ10 2025/03/14 N/A	APAJ11 2025/03/14 N/A	
	UNITS	OLD WEST MONITOR PAH MARCH 14, 2025 AOKI13-01	SOUTH MONITOR PAH MARCH 14, 2025 AOKI14-01	NEW WEST MONITOR PAH MARCH 14, 2025 AOKI15-01	QC Batch
Volume	m3	320.3	303.9	325.9	ONSITE
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		APAJ09	APAJ10	APAJ11		
Sampling Date		2025/03/14	2025/03/14	2025/03/14		
COC Number		N/A	N/A	N/A		
	UNITS	OLD WEST MONITOR PAH MARCH 14, 2025 AOKI13-01	SOUTH MONITOR PAH MARCH 14, 2025 AOKI14-01	NEW WEST MONITOR PAH MARCH 14, 2025 AOKI15-01	RDL	QC Batch
Semivolatile Organics						
Benzo(a)pyrene	ug	0.22	0.16	0.14	0.10	9895450
Surrogate Recovery (%)						
D10-2-Methylnaphthalene	%	78	88	86		9895450
D10-Fluoranthene	%	96	102	96		9895450
D10-Fluorene (FS)	%	44 (1)	98	94		9895450
D10-Phenanthrene	%	96	104	98		9895450
D12-Benzo(a)anthracene	%	112	116	112		9895450
D12-Benzo(a)pyrene	%	80	84	84		9895450
D12-Benzo(b)fluoranthene	%	108	114	110		9895450
D12-Benzo(ghi)perylene	%	96	100	100		9895450
D12-Benzo(k)fluoranthene	%	88	86	90		9895450
D12-Chrysene	%	120	120	120		9895450
D12-Indeno(1,2,3-cd)pyrene	%	98	104	104		9895450
D12-Perylene	%	94	102	102		9895450
D14-Dibenzo(a,h)anthracene	%	96	102	102		9895450
D14-Terphenyl (FS)	%	46 (1)	106	102		9895450
D8-Acenaphthylene	%	78	96	92		9895450
D8-Naphthalene	%	118	140	118		9895450

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) Recovery below lower control limit. Review with caution.



Report Date: 2025/03/27

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		APAJ09		APAJ10		APAJ11		
Sampling Date		2025/03/14		2025/03/14		2025/03/14		
COC Number		N/A		N/A		N/A		
	UNITS	OLD WEST MONITOR PAH MARCH 14, 2025 AOKI13-01	RDL	SOUTH MONITOR PAH MARCH 14, 2025 AOKI14-01	RDL	NEW WEST MONITOR PAH MARCH 14, 2025 AOKI15-01	RDL	QC Batch
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00069	0.00031	0.00053	0.00033	0.00043	0.00031	9894037
RDL = Reportable Detection	Limit							

QC Batch = Quality Control Batch



Site Location: RAIN CARBON CANADA INC.

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

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C52925 Report Date: 2025/03/27 RAIN CARBON Canada Inc.

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
9895450	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/03/24		90	%	50 - 150
			D10-Fluoranthene	2025/03/24		102	%	50 - 150
			D10-Phenanthrene	2025/03/24		100	%	50 - 150
			D12-Benzo(a)anthracene	2025/03/24		106	%	50 - 150
			D12-Benzo(a)pyrene	2025/03/24		84	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/03/24		108	%	50 - 150
			D12-Benzo(ghi)perylene	2025/03/24		100	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/03/24		88	%	50 - 150
			D12-Chrysene	2025/03/24		116	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/03/24		100	%	50 - 150
			D12-Perylene	2025/03/24		100	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/03/24		96	%	50 - 150
			D8-Acenaphthylene	2025/03/24		94	%	50 - 150
			D8-Naphthalene	2025/03/24		92	%	50 - 150
			Benzo(a)pyrene	2025/03/24		108	%	50 - 150
9895450	CTC	RPD	Benzo(a)pyrene	2025/03/24	7.2		%	50
9895450	CTC	Method Blank	D10-2-Methylnaphthalene	2025/03/24		82	%	50 - 150
			D10-Fluoranthene	2025/03/24		106	%	50 - 150
			D10-Phenanthrene	2025/03/24		104	%	50 - 150
			D12-Benzo(a)anthracene	2025/03/24		106	%	50 - 150
			D12-Benzo(a)pyrene	2025/03/24		84	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/03/24		108	%	50 - 150
			D12-Benzo(ghi)perylene	2025/03/24		100	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/03/24		88	%	50 - 150
			D12-Chrysene	2025/03/24		114	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/03/24		102	%	50 - 150
			D12-Perylene	2025/03/24		98	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/03/24		98	%	50 - 150
			D8-Acenaphthylene	2025/03/24		92	%	50 - 150
			D8-Naphthalene	2025/03/24		82	%	50 - 150
			Benzo(a)pyrene	2025/03/24	<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



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: 2025/04/10

Report #: R8518427 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534221 Received: 2025/03/28, 17:10

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/03/28	2025/04/10	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/03/31	2025/04/03	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/03/28	3	

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 (k) 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: 2025/04/10

Report #: R8518427

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534221 Received: 2025/03/28, 17:10

Encryption Key

Julian Tong Project Manager Assista

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		APJC45	APJC46	APJC47	APJC48	
Sampling Date		2025/03/26	2025/03/26	2025/03/26	2025/03/26	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH MARCH 26, 2025 AOKI34-01	NORTH MONITOR PAH MARCH 26, 2025 AOKI35-01	OLD WEST MONITOR PAH MARCH 26, 2025 AOKI36-01	SOUTH MONITOR PAH MARCH 26, 2025 AOKI37-01	QC Batch
Volume	m3	340.1	330.6	331.9	296.0	ONSITE
QC Batch = Quality Contr	ol Batch		_	_		

Bureau Veritas ID		APJC49	
Sampling Date		2025/03/26	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH MARCH 26, 2025 AOKI38-01	QC Batch
Volume	m3	310.4	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		APJC45	APJC46	APJC47	APJC48		
Sampling Date		2025/03/26	2025/03/26	2025/03/26	2025/03/26		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH MARCH 26, 2025 AOKI34-01	NORTH MONITOR PAH MARCH 26, 2025 AOKI35-01	OLD WEST MONITOR PAH MARCH 26, 2025 AOKI36-01	SOUTH MONITOR PAH MARCH 26, 2025 AOKI37-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	1.36	0.38	0.12	0.12	0.10	9901522
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	68	92	96	90		9901522
D10-Fluoranthene	%	76	114	118	106		9901522
D10-Fluorene (FS)	%	52	26 (1)	60	88		9901522
D10-Phenanthrene	%	76	108	112	102		9901522
D12-Benzo(a)anthracene	%	104	102	104	96		9901522
D12-Benzo(a)pyrene	%	82	82	86	80		9901522
D12-Benzo(b)fluoranthene	%	96	102	102	96		9901522
D12-Benzo(ghi)perylene	%	92	94	94	90		9901522
D12-Benzo(k)fluoranthene	%	102	100	102	96		9901522
D12-Chrysene	%	102	102	106	98		9901522
D12-Indeno(1,2,3-cd)pyrene	%	96	96	96	92		9901522
D12-Perylene	%	86	86	94	78		9901522
D14-Dibenzo(a,h)anthracene	%	100	102	102	98		9901522
D14-Terphenyl (FS)	%	72	110	112	100		9901522
D8-Acenaphthylene	%	70	102	104	96		9901522
D8-Naphthalene	%	284 (2)	110	138	156 (2)		9901522

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

⁽¹⁾ Recovery below lower control limit. D14-Terphenyl Field Spike is within criteria. Review with caution.

⁽²⁾ Recovery above control limit. Minimal impact to data as labelled surrogate does not calculate native recovery and Napthalene is not a parameter of concern.



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		APJC49		
Sampling Date		2025/03/26		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH MARCH 26, 2025 AOKI38-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9901522
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	96		9901522
D10-Fluoranthene	%	120		9901522
D10-Fluorene (FS)	%	82		9901522
D10-Phenanthrene	%	112		9901522
D12-Benzo(a)anthracene	%	100		9901522
D12-Benzo(a)pyrene	%	86		9901522
D12-Benzo(b)fluoranthene	%	98		9901522
D12-Benzo(ghi)perylene	%	92		9901522
D12-Benzo(k)fluoranthene	%	98		9901522
D12-Chrysene	%	100		9901522
D12-Indeno(1,2,3-cd)pyrene	%	94		9901522
D12-Perylene	%	88		9901522
D14-Dibenzo(a,h)anthracene	%	98		9901522
D14-Terphenyl (FS)	%	114		9901522
D8-Acenaphthylene	%	104		9901522
D8-Naphthalene	%	96		9901522
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		APJC45		APJC46	APJC47		
Sampling Date		2025/03/26		2025/03/26	2025/03/26		
COC Number		N/A		N/A	N/A		
	UNITS	EAST MONITOR PAH MARCH 26, 2025 AOKI34-01	RDL	NORTH MONITOR PAH MARCH 26, 2025 AOKI35-01	OLD WEST MONITOR PAH MARCH 26, 2025 AOKI36-01	RDL	QC Batch
Calculated Parameters							
Benzo(a)pyrene	ug/m3	0.00400	0.00029	0.00115	0.00036	0.00030	9900393
` '' '							

Bureau Veritas ID		APJC48		APJC49		
Sampling Date		2025/03/26		2025/03/26		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH MARCH 26, 2025 AOKI37-01	RDL	NEW WEST MONITOR PAH MARCH 26, 2025 AOKI38-01	RDL	QC Batch
Calculated Parameters						
Benzo(a)pyrene	ug/m3	0.00041	0.00034	<0.00032	0.00032	9900393
RDL = Reportable Detection QC Batch = Quality Control						



Site Location: RAIN CARBON CANADA INC.

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

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C53422 Report Date: 2025/04/10 RAIN CARBON Canada Inc.

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
9901522	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/04/03		72	%	50 - 150
			D10-Fluoranthene	2025/04/03		102	%	50 - 150
			D10-Phenanthrene	2025/04/03		86	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/03		98	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/03		82	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/03		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/03		102	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/03		102	%	50 - 150
			D12-Chrysene	2025/04/03		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/03		102	%	50 - 150
			D12-Perylene	2025/04/03		102	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/03		104	%	50 - 150
			D8-Acenaphthylene	2025/04/03		78	%	50 - 150
			D8-Naphthalene	2025/04/03		68	%	50 - 150
			Benzo(a)pyrene	2025/04/03		103	%	50 - 150
9901522	CTC	RPD	Benzo(a)pyrene	2025/04/03	5.0		%	50
9901522	CTC	Method Blank	D10-2-Methylnaphthalene	2025/04/03		82	%	50 - 150
			D10-Fluoranthene	2025/04/03		100	%	50 - 150
			D10-Phenanthrene	2025/04/03		86	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/03		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/03		74	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/03		94	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/03		94	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/03		96	%	50 - 150
			D12-Chrysene	2025/04/03		88	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/03		94	%	50 - 150
			D12-Perylene	2025/04/03		92	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/03		94	%	50 - 150
			D8-Acenaphthylene	2025/04/03		80	%	50 - 150
			D8-Naphthalene	2025/04/03		78	%	50 - 150
			Benzo(a)pyrene	2025/04/03	<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:

M Di Grazia

Melissa DiGrazia, Operations Manager, HRMS Department



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: 2025/04/10

Report #: R8518239 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533824 Received: 2025/03/28, 11:20

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/03/31	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/03/31	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.

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

(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: 2025/04/10

Report #: R8518239 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533824 Received: 2025/03/28, 11:20

Encryption Key



Bureau Veritas

10 Apr 2025 13:16:29

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 AIR

Bureau Veritas ID		APIK54	
Sampling Date		2025/03/26	
COC Number		na	
	LINUTC	STN29164 26-MAR-25	OC Botch
	ONITS	311V29104 20-IVIAK-25	QC Batch
Pressure on Receipt	psig	(-3.9)	9901527



Site Location: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		APIK54				
Sampling Date		2025/03/26				
COC Number		na				
	UNITS	STN29164 26-MAR-25	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.28	0.10	0.905	0.319	9901202
Surrogate Recovery (%)						
Bromochloromethane	%	86		N/A	N/A	9901202
D5-Chlorobenzene	%	79		N/A	N/A	9901202
Difluorobenzene	%	87		N/A	N/A	9901202

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 #: C533824 Report Date: 2025/04/10 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
9901202	TIM	Spiked Blank	Bromochloromethane	2025/03/31		109	%	60 - 140
			D5-Chlorobenzene	2025/03/31		106	%	60 - 140
			Difluorobenzene	2025/03/31		108	%	60 - 140
			Benzene	2025/03/31		92	%	70 - 130
9901202	TIM	Method Blank	Bromochloromethane	2025/03/31		102	%	60 - 140
			D5-Chlorobenzene	2025/03/31		91	%	60 - 140
			Difluorobenzene	2025/03/31		103	%	60 - 140
			Benzene	2025/03/31	<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:

Hulanie Mabr	
Melanie Mabini, Team Leader	



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: 2025/04/11

Report #: R8519146 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C535241
Received: 2025/04/01, 15:40

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/04/01	2025/04/10	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/04/02	2025/04/10	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/04/01		

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 (k) 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: 2025/04/11

Report #: R8519146

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C535241 Received: 2025/04/01, 15:40

Encryption Key

Julian Tong Project Manager Assist

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		APLE79	APLE80	APLE81	APLE82	
Sampling Date		2025/03/29	2025/03/29	2025/03/29	2025/03/29	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH MARCH 29, 2025 APAX49-01	NORTH MONITOR PAH MARCH 29, 2025 APAX50-01	OLD WEST MONITOR PAH MARCH 29, 2025 APAX51-01	SOUTH MONITOR PAH MARCH 29, 2025 APAX52-01	QC Batch
Volume	m3	339.0	330.0	340.3	328.1	ONSITE
QC Batch = Quality Contro	l Batch					

Bureau Veritas ID		APLE83	
Sampling Date		2025/03/29	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH MARCH 29, 2025 APAX53-01	QC Batch
Volume	m3	331.1	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		APLE79	APLE80	APLE81	APLE82		
Sampling Date		2025/03/29	2025/03/29	2025/03/29	2025/03/29		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH MARCH 29, 2025 APAX49-01	NORTH MONITOR PAH MARCH 29, 2025 APAX50-01	OLD WEST MONITOR PAH MARCH 29, 2025 APAX51-01	SOUTH MONITOR PAH MARCH 29, 2025 APAX52-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	<0.050	<0.050	<0.050	<0.050	0.050	9902905
Surrogate Recovery (%)					•		
D10-2-Methylnaphthalene	%	62	60	62	72		9902905
D10-Anthracene	%	76	76	80	90		9902905
D10-Fluoranthene	%	118	124	116	126		9902905
D10-Fluorene (FS)	%	64	48 (1)	36 (1)	66		9902905
D10-Phenanthrene	%	94	92	98	108		9902905
D12-Benzo(a)anthracene	%	84	82	90	90		9902905
D12-Benzo(a)pyrene	%	70	70	74	72		9902905
D12-Benzo(b)fluoranthene	%	100	100	102	102		9902905
D12-Benzo(ghi)perylene	%	102	104	100	106		9902905
D12-Benzo(k)fluoranthene	%	104	104	106	108		9902905
D12-Chrysene	%	96	96	104	104		9902905
D12-Indeno(1,2,3-cd)pyrene	%	102	106	102	108		9902905
D12-Perylene	%	92	92	94	94		9902905
D14-Dibenzo(a,h)anthracene	%	104	106	106	110		9902905
D14-Terphenyl (FS)	%	132	136	126	134		9902905
D8-Acenaphthylene	%	64	64	70	82		9902905
D8-Naphthalene	%	50	48 (2)	288 (3)	240 (3)		9902905

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

⁽¹⁾ Recovery below lower control limit. D14-Terphenyl Field Spike is within criteria. Review with caution.

⁽²⁾ Recovery below control limit. Minimal impact to data as labelled surrogate does not calculate native recovery and Napthalene is not a parameter of concern.

⁽³⁾ Recovery above control limit. Minimal impact to data as labelled surrogate does not calculate native recovery and Napthalene is not a parameter of concern.



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		APLE83		
Sampling Date		2025/03/29		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH MARCH 29, 2025 APAX53-01	RDL	QC Batch
Semivolatile Organics	-		•	•
Benzo(a)pyrene	ug	<0.050	0.050	9902905
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	80		9902905
D10-Anthracene	%	90		9902905
D10-Fluoranthene	%	118		9902905
D10-Fluorene (FS)	%	92		9902905
D10-Phenanthrene	%	108		9902905
D12-Benzo(a)anthracene	%	90		9902905
D12-Benzo(a)pyrene	%	72		9902905
D12-Benzo(b)fluoranthene	%	104		9902905
D12-Benzo(ghi)perylene	%	106		9902905
D12-Benzo(k)fluoranthene	%	108		9902905
D12-Chrysene	%	104		9902905
D12-Indeno(1,2,3-cd)pyrene	%	108		9902905
D12-Perylene	%	94		9902905
D14-Dibenzo(a,h)anthracene	%	112		9902905
D14-Terphenyl (FS)	%	126		9902905
D8-Acenaphthylene	%	86		9902905
D8-Naphthalene	%	766 (1)		9902905
201 2 11 2 11 11				

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) Recovery above control limit. Minimal impact to data as labelled surrogate does not calculate native recovery and Napthalene is not a parameter of concern.



Report Date: 2025/04/11

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		APLE79	APLE80	APLE81	APLE82		
Sampling Date		2025/03/29	2025/03/29	2025/03/29	2025/03/29		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH MARCH 29, 2025 APAX49-01	NORTH MONITOR PAH MARCH 29, 2025 APAX50-01	OLD WEST MONITOR PAH MARCH 29, 2025 APAX51-01	SOUTH MONITOR PAH MARCH 29, 2025 APAX52-01	RDL	QC Batch
Calculated Parameters							
Benzo(a)pyrene	ug/m3	<0.00015	<0.00015	<0.00015	<0.00015	0.00015	9902420
RDL = Reportable Detection	Limit	_			_		•

QC Batch = Quality Control Batch

Bureau Veritas ID		APLE83			
Sampling Date		2025/03/29			
COC Number		N/A			
	UNITS	NEW WEST MONITOR PAH MARCH 29, 2025 APAX53-01	RDL	QC Batch	
Calculated Parameters					
Benzo(a)pyrene	ug/m3	<0.00015	0.00015	9902420	
RDL = Reportable Detection Limit QC Batch = Quality Control Batch					



Site Location: RAIN CARBON CANADA INC.

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

GENERAL COMMENTS

Results relate only to the items tested.



Report Date: 2025/04/11

RAIN CARBON Canada Inc.

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
9902905	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/04/10		64	%	50 - 150
			D10-Fluoranthene	2025/04/10		126	%	50 - 150
			D10-Phenanthrene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		102	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		88	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		106	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		116	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		114	%	50 - 150
			D12-Chrysene	2025/04/10		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		118	%	50 - 150
			D12-Perylene	2025/04/10		108	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		118	%	50 - 150
			D8-Acenaphthylene	2025/04/10		70	%	50 - 150
			D8-Naphthalene	2025/04/10		56	%	50 - 150
			Benzo(a)pyrene	2025/04/10		100	%	50 - 150
9902905	CTC	RPD	Benzo(a)pyrene	2025/04/10	0		%	50
9902905	CTC	Method Blank	D10-2-Methylnaphthalene	2025/04/10		58	%	50 - 150
			D10-Fluoranthene	2025/04/10		118	%	50 - 150
			D10-Phenanthrene	2025/04/10		88	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		80	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		110	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		104	%	50 - 150
			D12-Chrysene	2025/04/10		94	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		110	%	50 - 150
			D12-Perylene	2025/04/10		100	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		110	%	50 - 150
			D8-Acenaphthylene	2025/04/10		62	%	50 - 150
			D8-Naphthalene	2025/04/10		50	%	50 - 150
			Benzo(a)pyrene	2025/04/10	< 0.050		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:

Melissa DiGrazia, Operations Manager, HRMS Department



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: 2025/04/14

Report #: R8520105 Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C535241
Received: 2025/04/01, 15:40

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/04/01	2025/04/10	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/04/02	2025/04/10	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/04/01		

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 (k) 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: 2025/04/14

Report #: R8520105 Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C535241 Received: 2025/04/01, 15:40

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



Site Location: RAIN CARBON CANADA INC.

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		APLE79	APLE80	APLE81	APLE82	
Sampling Date		2025/03/29	2025/03/29	2025/03/29	2025/03/29	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH MARCH 29, 2025 APAX49-01	NORTH MONITOR PAH MARCH 29, 2025 APAX50-01	OLD WEST MONITOR PAH MARCH 29, 2025 APAX51-01	SOUTH MONITOR PAH MARCH 29, 2025 APAX52-01	QC Batch
Volume	m3	339.0	330.0	340.3	328.1	ONSITE
QC Batch = Quality Control E	Ratch	_	_		_	•

Bureau Veritas ID		APLE83	
Sampling Date		2025/03/29	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH MARCH 29, 2025 APAX53-01	QC Batch
Volume	m3	331.1	ONSITE
QC Batch = Quality Control Ba	atch		-



Report Date: 2025/04/14

RAIN CARBON Canada Inc.

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		APLE79	APLE80	APLE81	APLE82		
Sampling Date		2025/03/29	2025/03/29	2025/03/29	2025/03/29		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH MARCH 29, 2025 APAX49-01	NORTH MONITOR PAH MARCH 29, 2025 APAX50-01	OLD WEST MONITOR PAH MARCH 29, 2025 APAX51-01	SOUTH MONITOR PAH MARCH 29, 2025 APAX52-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	<0.10	<0.10	<0.10	<0.10	0.10	9902905
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	62	60	62	72		9902905
D10-Anthracene	%	76	76	80	90		9902905
D10-Fluoranthene	%	118	124	116	126		9902905
D10-Fluorene (FS)	%	64	48 (1)	36 (1)	66		9902905
D10-Phenanthrene	%	94	92	98	108		9902905
D12-Benzo(a)anthracene	%	84	82	90	90		9902905
D12-Benzo(a)pyrene	%	70	70	74	72		9902905
D12-Benzo(b)fluoranthene	%	100	100	102	102		9902905
D12-Benzo(ghi)perylene	%	102	104	100	106		9902905
D12-Benzo(k)fluoranthene	%	104	104	106	108		9902905
D12-Chrysene	%	96	96	104	104		9902905
D12-Indeno(1,2,3-cd)pyrene	%	102	106	102	108		9902905
D12-Perylene	%	92	92	94	94		9902905
D14-Dibenzo(a,h)anthracene	%	104	106	106	110		9902905
D14-Terphenyl (FS)	%	132	136	126	134		9902905
D8-Acenaphthylene	%	64	64	70	82		9902905
D8-Naphthalene	%	50	48 (2)	288 (3)	240 (3)		9902905

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

⁽¹⁾ Recovery below lower control limit. D14-Terphenyl Field Spike is within criteria. Review with caution.

⁽²⁾ Recovery below control limit. Minimal impact to data as labelled surrogate does not calculate native recovery and Napthalene is not a parameter of concern.

⁽³⁾ Recovery above control limit. Minimal impact to data as labelled surrogate does not calculate native recovery and Napthalene is not a parameter of concern.



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		APLE83		
Sampling Date		2025/03/29		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH MARCH 29, 2025 APAX53-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9902905
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	80		9902905
D10-Anthracene	%	90		9902905
D10-Fluoranthene	%	118		9902905
D10-Fluorene (FS)	%	92		9902905
D10-Phenanthrene	%	108		9902905
D12-Benzo(a)anthracene	%	90		9902905
D12-Benzo(a)pyrene	%	72		9902905
D12-Benzo(b)fluoranthene	%	104		9902905
D12-Benzo(ghi)perylene	%	106		9902905
D12-Benzo(k)fluoranthene	%	108		9902905
D12-Chrysene	%	104		9902905
D12-Indeno(1,2,3-cd)pyrene	%	108		9902905
D12-Perylene	%	94		9902905
D14-Dibenzo(a,h)anthracene	%	112		9902905
D14-Terphenyl (FS)	%	126		9902905
D8-Acenaphthylene	%	86		9902905
D8-Naphthalene	%	766 (1)		9902905

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

⁽¹⁾ Recovery above control limit. Minimal impact to data as labelled surrogate does not calculate native recovery and Napthalene is not a parameter of concern.



Site Location: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		APLE79	APLE80		APLE81		
Sampling Date		2025/03/29	2025/03/29		2025/03/29		
COC Number		N/A	N/A		N/A		
	UNITS	EAST MONITOR PAH MARCH 29, 2025 APAX49-01	NORTH MONITOR PAH MARCH 29, 2025 APAX50-01	RDL	OLD WEST MONITOR PAH MARCH 29, 2025 APAX51-01	RDL	QC Batch
Calculated Parameters							
Benzo(a)pyrene	ug/m3	<0.00030	<0.00030	0.00030	<0.00029	0.00029	9902420
belizo(a)pyrelie	ug/1115	₹0.00030	<0.00030	0.00030	<0.00029	0.00023	3302420

Bureau Veritas ID		APLE82	APLE83		
Sampling Date		2025/03/29	2025/03/29		
COC Number		N/A	N/A		
	UNITS	SOUTH MONITOR PAH MARCH 29, 2025 APAX52-01	NEW WEST MONITOR PAH MARCH 29, 2025 APAX53-01	RDL	QC Batch
Calculated Parameters					
Benzo(a)pyrene	ug/m3	<0.00030	<0.00030	0.00030	9902420
RDL = Reportable Detection L QC Batch = Quality Control Ba					



Site Location: RAIN CARBON CANADA INC.

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

GENERAL COMMENTS

Revised Report (25/04/14): Report revised to correct the RDL based on 2x split extraction.

Results relate only to the items tested.



Report Date: 2025/04/14

RAIN CARBON Canada Inc.

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
9902905	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/04/10		64	%	50 - 150
			D10-Fluoranthene	2025/04/10		126	%	50 - 150
			D10-Phenanthrene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		102	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		88	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		106	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		116	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		114	%	50 - 150
			D12-Chrysene	2025/04/10		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		118	%	50 - 150
			D12-Perylene	2025/04/10		108	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		118	%	50 - 150
			D8-Acenaphthylene	2025/04/10		70	%	50 - 150
			D8-Naphthalene	2025/04/10		56	%	50 - 150
			Benzo(a)pyrene	2025/04/10		100	%	50 - 150
9902905	CTC	RPD	Benzo(a)pyrene	2025/04/10	0		%	50
9902905	CTC	Method Blank	D10-2-Methylnaphthalene	2025/04/10		58	%	50 - 150
			D10-Fluoranthene	2025/04/10		118	%	50 - 150
			D10-Phenanthrene	2025/04/10		88	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		80	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		110	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		104	%	50 - 150
			D12-Chrysene	2025/04/10		94	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		110	%	50 - 150
			D12-Perylene	2025/04/10		100	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		110	%	50 - 150
			D8-Acenaphthylene	2025/04/10		62	%	50 - 150
			D8-Naphthalene	2025/04/10		50	%	50 - 150
			Benzo(a)pyrene	2025/04/10	<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:

M Di Grazia

Melissa DiGrazia, Operations Manager, HRMS Department



Site Location: RAIN CARBON CANADA INC

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

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

Report Date: 2025/04/11

Report #: R8519144 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534510
Received: 2025/03/31, 11:58

Sample Matrix: Puf And Filter # Samples Received: 1

	l	Date	Date		
Analyses	Quantity I	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1 2	2025/03/31	2025/04/10	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1 2	2025/04/02	2025/04/10	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1 1	N/A	2025/03/31		

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 (k) 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: Ruetgers list

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

Report Date: 2025/04/11

Report #: R8519144 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534510 Received: 2025/03/31, 11:58

Encryption Key



Bureau Veritas

11 Apr 2025 15:03:58

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		APJU60	
Sampling Date		2025/03/29	
COC Number		N/A	
	UNITS	STN29164 29-MAR-25	QC Batch
Volume	m3	336.1	QC Batch 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		APJU60		
Sampling Date		2025/03/29		
COC Number		N/A		
	UNITS	STN29164 29-MAR-25	RDL	QC Batch
Benzo(a)pyrene	ug	<0.050	0.050	9902905
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	82		9902905
D10-Anthracene	%	92		9902905
D10-Fluoranthene	%	128		9902905
D10-Fluorene (FS)	%	40 (1)		9902905
D10-Phenanthrene	%	110		9902905
D12-Benzo(a)anthracene	%	84		9902905
D12-Benzo(a)pyrene	%	70		9902905
D12-Benzo(b)fluoranthene	%	100		9902905
D12-Benzo(ghi)perylene	%	106		9902905
D12-Benzo(k)fluoranthene	%	104		9902905
D12-Chrysene	%	98		9902905
D12-Indeno(1,2,3-cd)pyrene	%	108		9902905
D12-Perylene	%	94		9902905
D14-Dibenzo(a,h)anthracene	%	110		9902905
D14-Terphenyl (FS)	%	134		9902905
D8-Acenaphthylene	%	82		9902905
D8-Naphthalene	%	66		9902905

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

⁽¹⁾ Recovery below lower control limit. D14-Terphenyl Field Spike is within criteria. Review with caution.



Site Location: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		APJU60		
Sampling Date		2025/03/29		
COC Number		N/A		
	UNITS	STN29164 29-MAR-25	RDL	QC Batch
Benzo(a)pyrene	ng/m3	<0.15	0.15	9901630
RDL = Reportable Detect	tion Limit			

QC Batch = Quality Control Batch



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 #: C534510 Report Date: 2025/04/11 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
9902905	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/04/10		64	%	50 - 150
			D10-Fluoranthene	2025/04/10		126	%	50 - 150
			D10-Phenanthrene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		102	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		88	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		106	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		116	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		114	%	50 - 150
			D12-Chrysene	2025/04/10		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		118	%	50 - 150
			D12-Perylene	2025/04/10		108	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		118	%	50 - 150
			D8-Acenaphthylene	2025/04/10		70	%	50 - 150
			D8-Naphthalene	2025/04/10		56	%	50 - 150
			Benzo(a)pyrene	2025/04/10		100	%	50 - 150
9902905	CTC	RPD	Benzo(a)pyrene	2025/04/10	0		%	50
9902905	CTC	Method Blank	D10-2-Methylnaphthalene	2025/04/10		58	%	50 - 150
			D10-Fluoranthene	2025/04/10		118	%	50 - 150
			D10-Phenanthrene	2025/04/10		88	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		80	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		110	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		104	%	50 - 150
			D12-Chrysene	2025/04/10		94	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		110	%	50 - 150
			D12-Perylene	2025/04/10		100	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		110	%	50 - 150
			D8-Acenaphthylene	2025/04/10		62	%	50 - 150
			D8-Naphthalene	2025/04/10		50	%	50 - 150
			Benzo(a)pyrene	2025/04/10	<0.050		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:

M Di Grazia

Melissa DiGrazia, Operations Manager, HRMS Department



Site Location: RAIN CARBON CANADA INC

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

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

Report Date: 2025/04/14

Report #: R8520104 Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C534510 Received: 2025/03/31, 11:58 Sample Matrix: Puf And Filter

Samples Received: 1

	l	Date	Date		
Analyses	Quantity I	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1 2	2025/03/31	2025/04/10	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1 2	2025/04/02	2025/04/10	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1 1	N/A	2025/03/31		

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 (k) 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: Ruetgers list

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

Report Date: 2025/04/14

Report #: R8520104 Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C534510 Received: 2025/03/31, 11:58

Encryption Key

Cristina (Maria) Bacchus Project Manager 14 Apr 2025 17:02:35

Please direct all questions regarding this Certificate of Analysis to:

Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com Phone# (905)817-5763



Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		APJU60		
Sampling Date		2025/03/29		
COC Number		N/A		
	UNITS	STN29164 29-MAR-25	QC Batch	
Volume	m3	336.1	QC Batch 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		APJU60				
Sampling Date		2025/03/29				
COC Number		N/A				
	UNITS	STN29164 29-MAR-25	RDL	QC Batch		
Benzo(a)pyrene	ug	<0.10	0.10	9902905		
Surrogate Recovery (%)						
D10-2-Methylnaphthalene	%	82		9902905		
D10-Anthracene	%	92		9902905		
D10-Fluoranthene	%	128		9902905		
D10-Fluorene (FS)	%	40 (1)		9902905		
D10-Phenanthrene	%	110		9902905		
D12-Benzo(a)anthracene	%	84		9902905		
D12-Benzo(a)pyrene	%	70		9902905		
D12-Benzo(b)fluoranthene	%	100		9902905		
D12-Benzo(ghi)perylene	%	106		9902905		
D12-Benzo(k)fluoranthene	%	104		9902905		
D12-Chrysene	%	98		9902905		
D12-Indeno(1,2,3-cd)pyrene	%	108		9902905		
D12-Perylene	%	94		9902905		
D14-Dibenzo(a,h)anthracene	%	110		9902905		
D14-Terphenyl (FS)	%	134		9902905		
D8-Acenaphthylene	%	82		9902905		
D8-Naphthalene	%	66		9902905		

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) Recovery below lower control limit. D14-Terphenyl Field Spike is within criteria. Review with caution.



Site Location: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		APJU60				
Sampling Date		2025/03/29				
COC Number		N/A				
	UNITS	STN29164 29-MAR-25	RDL	QC Batch		
Benzo(a)pyrene	ng/m3	<0.30	0.30	9901630		
RDL = Reportable Detection Limit						

QC Batch = Quality Control Batch



Site Location: RAIN CARBON CANADA INC

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

GENERAL COMMENTS

Revised Report (25/04/14): Report revised to correct the RDL based on 2x split extraction.

Results relate only to the items tested.



Bureau Veritas Job #: C534510 Report Date: 2025/04/14 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
9902905	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/04/10		64	%	50 - 150
			D10-Fluoranthene	2025/04/10		126	%	50 - 150
			D10-Phenanthrene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		102	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		88	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		106	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		116	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		114	%	50 - 150
			D12-Chrysene	2025/04/10		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		118	%	50 - 150
			D12-Perylene	2025/04/10		108	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		118	%	50 - 150
			D8-Acenaphthylene	2025/04/10		70	%	50 - 150
			D8-Naphthalene	2025/04/10		56	%	50 - 150
			Benzo(a)pyrene	2025/04/10		100	%	50 - 150
9902905	CTC	RPD	Benzo(a)pyrene	2025/04/10	0		%	50
9902905	CTC	Method Blank	D10-2-Methylnaphthalene	2025/04/10		58	%	50 - 150
			D10-Fluoranthene	2025/04/10		118	%	50 - 150
			D10-Phenanthrene	2025/04/10		88	%	50 - 150
			D12-Benzo(a)anthracene	2025/04/10		96	%	50 - 150
			D12-Benzo(a)pyrene	2025/04/10		80	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/04/10		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/04/10		110	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/04/10		104	%	50 - 150
			D12-Chrysene	2025/04/10		94	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/04/10		110	%	50 - 150
			D12-Perylene	2025/04/10		100	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/04/10		110	%	50 - 150
			D8-Acenaphthylene	2025/04/10		62	%	50 - 150
			D8-Naphthalene	2025/04/10		50	%	50 - 150
			Benzo(a)pyrene	2025/04/10	<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:

M Di Grazia

Melissa DiGrazia, Operations Manager, HRMS Department



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: 2025/03/18

Report #: R8504459 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C523010 Received: 2025/03/04, 16:40

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	5	N/A	2025/03/10	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/03/10	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.

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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: 2025/03/18

Report #: R8504459

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C523010 Received: 2025/03/04, 16:40

Encryption Key

Julian Tong

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700



Report Date: 2025/03/18

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		A00056	A00057	AOOO58	A00061						
Sampling Date		2025/03/02	2025/03/02	2025/03/02	2025/03/02						
COC Number		na	na	na	na						
	UNITS	EAST CANISTER VOC MARCH 2, 2025/14506	NORTH CANISTER VOC MARCH 2, 2025/17177	OLD WEST CANISTER VOC MARCH 2, 2025/32592	SOUTH CANISTER VOC MARCH 2, 2025/7865	QC Batch					
Volatile Organics	Volatile Organics										
Pressure on Receipt	psig	(-3.3)	(-3.0)	(-2.0)	(-4.6)	9888715					
QC Batch = Quality Conti	ol Batch		•		•	•					

Bureau Veritas ID		A00062				
Sampling Date		2025/03/02				
COC Number		na				
	UNITS	NEW WEST CANISTER VOC MARCH 2, 2025/14525	QC Batch			
Volatile Organics						
Pressure on Receipt	psig	(-3.3)	9888715			
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		AOO056			A00057				
Sampling Date		2025/03/02			2025/03/02				
COC Number		na			na				
	UNITS	EAST CANISTER VOC MARCH 2, 2025/14506	ug/m3	DL (ug/m3)	NORTH CANISTER VOC MARCH 2, 2025/17177	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	5.29	16.9	0.319	0.45	0.10	1.43	0.319	9887842
Surrogate Recovery (%)	'		•	•		•		•	
Bromochloromethane	%	87	N/A	N/A	78		N/A	N/A	9887842
D5-Chlorobenzene	%	87	N/A	N/A	86		N/A	N/A	9887842
Difluorobenzene	%	87	N/A	N/A	82		N/A	N/A	9887842
RDL = Reportable Detectio	n Limit		•	'		•		•	
QC Batch = Quality Contro	l Batch								
N/A = Not Applicable									

Bureau Veritas ID		AOO058			A00061				
Sampling Date		2025/03/02			2025/03/02				
COC Number		na			na				
	UNITS	OLD WEST CANISTER VOC MARCH 2, 2025/32592	ug/m3	DL (ug/m3)	SOUTH CANISTER VOC MARCH 2, 2025/7865	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	0.23	0.738	0.319	0.92	0.10	2.95	0.319	9887842
Surrogate Recovery (%)									
Bromochloromethane	%	91	N/A	N/A	82		N/A	N/A	9887842
D5-Chlorobenzene	%	90	N/A	N/A	86		N/A	N/A	9887842
Difluorobenzene	%	93	N/A	N/A	84		N/A	N/A	9887842

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

VOLATILE ORGANICS BY GC/MS (AIR)

		1 1			T				
	A00062								
	2025/03/02								
	na								
UNITS	NEW WEST CANISTER VOC MARCH 2, 2025/14525	RDL	ug/m3	DL (ug/m3)	QC Batch				
Volatile Organics									
ppbv	0.24	0.10	0.755	0.319	9887842				
					•				
%	81		N/A	N/A	9887842				
%	86		N/A	N/A	9887842				
%	84		N/A	N/A	9887842				
imit									
atch									
	ppbv % % % imit	2025/03/02 na NEW WEST CANISTER VOC MARCH 2, 2025/14525 ppbv 0.24 % 81 % 86 % 84 imit	2025/03/02	2025/03/02	2025/03/02				



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.	



Report Date: 2025/03/18

RAIN CARBON Canada Inc.

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
9887842	TIM	Spiked Blank	Bromochloromethane	2025/03/10		101	%	60 - 140
			D5-Chlorobenzene	2025/03/10		101	%	60 - 140
			Difluorobenzene	2025/03/10		101	%	60 - 140
			Benzene	2025/03/10		94	%	70 - 130
9887842	TIM	Method Blank	Bromochloromethane	2025/03/10		96	%	60 - 140
			D5-Chlorobenzene	2025/03/10		93	%	60 - 140
			Difluorobenzene	2025/03/10		98	%	60 - 140
			Benzene	2025/03/10	<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.



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



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: 2025/03/20

Report #: R8505853 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C524302 Received: 2025/03/07, 08:45

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/03/10	D BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/03/10	D 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: 2025/03/20

Report #: R8505853 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C524302 Received: 2025/03/07, 08:45

Encryption Key



Bureau Veritas

20 Mar 2025 09:54:59

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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Site Location: RAIN CARBON CANADA INC.

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		AOQV57	
Sampling Date		2025/03/02	
COC Number		NA	
		STN29164 02-MAR-	
	UNITS	25/18265	QC Batch
Pressure on Receipt	psig		QC Batch 9888275



Site Location: RAIN CARBON CANADA INC.

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AOQV57				
Sampling Date		2025/03/02				
COC Number		NA				
	UNITS	STN29164 02-MAR- 25/18265	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.21	0.10	0.664	0.319	9888274
Surrogate Recovery (%)	•					
Bromochloromethane	%	82		N/A	N/A	9888274
D5-Chlorobenzene	%	81		N/A	N/A	9888274
Difluorobenzene	%	83		N/A	N/A	9888274

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 #: C524302 Report Date: 2025/03/20 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
9888274	ANE	Spiked Blank	Bromochloromethane	2025/03/10		106	%	60 - 140
			D5-Chlorobenzene	2025/03/10		106	%	60 - 140
			Difluorobenzene	2025/03/10		106	%	60 - 140
			Benzene	2025/03/10		95	%	70 - 130
9888274	ANE	Method Blank	Bromochloromethane	2025/03/10		98	%	60 - 140
			D5-Chlorobenzene	2025/03/10		96	%	60 - 140
			Difluorobenzene	2025/03/10		101	%	60 - 140
			Benzene	2025/03/10	<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: 2025/03/28

Report #: R8511245 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C529294 Received: 2025/03/18, 15:50

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	5	N/A	2025/03/19	9 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/03/19	9 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.

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

(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: 2025/03/28

Report #: R8511245 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C529294

Received: 2025/03/18, 15:50

Encryption Key

Julian Tong

28 Mar 2025 17:53:57

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700



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		APAL05	APAL06	APAL07	APAL08	
Sampling Date		2025/03/14	2025/03/14	2025/03/14	2025/03/14	
COC Number		na	na	na	na	
	UNITS	EAST CANISTER VOC MARCH 14, 2025/14076	NORTH CANISTER VOC MARCH 14, 2025/7841	OLD WEST CANISTER VOC MARCH 14, 2025/23656	SOUTH CANISTER VOC MARCH 14, 2025/283	QC Batch
Volatile Organics						
Pressure on Receipt	psig	(-4.3)	(-3.6)	(-3.6)	(-4.6)	9894109
QC Batch = Quality Contr	ol Batch		•		•	•

Bureau Veritas ID		APAL09	
Sampling Date		2025/03/14	
COC Number		na	
	UNITS	NEW WEST CANISTER VOC MARCH 14, 2025/7805	QC Batch
Volatile Organics			
Pressure on Receipt	psig	(-3.4)	9894109
QC Batch = Quality Control Ba	atch		



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		APAL05			APAL06				
Sampling Date		2025/03/14			2025/03/14				
COC Number		na			na				
	UNITS	EAST CANISTER VOC MARCH 14, 2025/14076	ug/m3	DL (ug/m3)	NORTH CANISTER VOC MARCH 14, 2025/7841	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	0.64	2.04	0.319	0.55	0.10	1.75	0.319	9894110
Surrogate Recovery (%)				•		•			•
Bromochloromethane	%	89	N/A	N/A	88		N/A	N/A	9894110
D5-Chlorobenzene	%	88	N/A	N/A	86		N/A	N/A	9894110
Difluorobenzene	%	88	N/A	N/A	86		N/A	N/A	9894110
RDL = Reportable Detection	n Limit		*	-		•		-	•
QC Batch = Quality Contro	l Batch								
N/A = Not Applicable									

Bureau Veritas ID		APAL07			APAL08				
Sampling Date		2025/03/14			2025/03/14				
COC Number		na			na				
	UNITS	OLD WEST CANISTER VOC MARCH 14, 2025/23656	ug/m3	DL (ug/m3)	SOUTH CANISTER VOC MARCH 14, 2025/283	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	1.57	5.00	0.319	13.3	0.10	42.5	0.319	9894110
Surrogate Recovery (%)									
Bromochloromethane	%	91	N/A	N/A	89		N/A	N/A	9894110
D5-Chlorobenzene	%	91	N/A	N/A	86		N/A	N/A	9894110
Difluorobenzene	%	89	N/A	N/A	87		N/A	N/A	9894110

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		APAL09			APAL09				
Sampling Date		2025/03/14			2025/03/14				
COC Number		na			na				
	UNITS	NEW WEST CANISTER VOC MARCH 14, 2025/7805	ug/m3	DL (ug/m3)	NEW WEST CANISTER VOC MARCH 14, 2025/7805 Lab-Dup	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	0.38	1.22	0.319	0.38	0.10	1.21	0.319	9894110
Surrogate Recovery (%)	•		•			•	•	-	
Bromochloromethane	%	93	N/A	N/A	91		N/A	N/A	9894110
D5-Chlorobenzene	%	89	N/A	N/A	87		N/A	N/A	9894110
Difluorobenzene	%	91	N/A	N/A	89		N/A	N/A	9894110

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.		



RAIN CARBON Canada Inc.

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
9894110	DM2	Spiked Blank	Bromochloromethane	2025/03/19		113	%	60 - 140
			D5-Chlorobenzene	2025/03/19		113	%	60 - 140
			Difluorobenzene	2025/03/19		113	%	60 - 140
			Benzene	2025/03/19		97	%	70 - 130
9894110	DM2	Method Blank	Bromochloromethane	2025/03/19		99	%	60 - 140
			D5-Chlorobenzene	2025/03/19		91	%	60 - 140
			Difluorobenzene	2025/03/19		100	%	60 - 140
			Benzene	2025/03/19	< 0.10		ppbv	
9894110	DM2	RPD [APAL09-01]	Benzene	2025/03/19	0.77		%	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 Mabr	
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: 2025/03/28

Report #: R8511240 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C529612 Received: 2025/03/19, 11:09

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/03/20) BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/03/20) 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.

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

(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: 2025/03/28

Report #: R8511240 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C529612 Received: 2025/03/19, 11:09

Encryption Key



Bureau Veritas

28 Mar 2025 16:04:13

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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Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		APBB11	
Sampling Date		2025/03/14	
COC Number		NA	
	UNITS	STN29164 14-MAR-25	QC Batch
Pressure on Receipt	psig	(-3.7)	QC Batch 9895293



Site Location: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		APBB11				
Sampling Date		2025/03/14				
COC Number		NA				
	UNITS	STN29164 14-MAR-25	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.24	0.10	0.753	0.319	9895290
Surrogate Recovery (%)			•			•
Bromochloromethane	%	86		N/A	N/A	9895290
D5-Chlorobenzene	%	85		N/A	N/A	9895290
Difluorobenzene	%	86		N/A	N/A	9895290

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.



Report Date: 2025/03/28

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
9895290	ANE	Spiked Blank	Bromochloromethane	2025/03/20		108	%	60 - 140
			D5-Chlorobenzene	2025/03/20		108	%	60 - 140
			Difluorobenzene	2025/03/20		109	%	60 - 140
			Benzene	2025/03/20		99	%	70 - 130
9895290	ANE	Method Blank	Bromochloromethane	2025/03/20		101	%	60 - 140
			D5-Chlorobenzene	2025/03/20		97	%	60 - 140
			Difluorobenzene	2025/03/20		104	%	60 - 140
			Benzene	2025/03/20	<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:

Melanie Mabini, Team Leader



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: 2025/04/11

Report #: R8519003 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534361 Received: 2025/03/28, 17:10

Sample Matrix: Air # Samples Received: 4

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	4	N/A	2025/03/31	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	4	N/A	2025/03/31	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: 2025/04/11

Report #: R8519003 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534361

Received: 2025/03/28, 17:10

Encryption Key

Julian Tong Project Manager Assistant 11 Apr 2025 14:33:39

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700



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		APJM67	APJM68	APJM69	APJM70			
Sampling Date		2025/03/26	2025/03/26	2025/03/26	2025/03/26			
COC Number		na	na	na	na			
	UNITS	NORTH CANISTER VOC MARCH 26, 2025/292	OLD WEST CANISTER VOC MARCH 26, 2025/14533	SOUTH CANISTER VOC MARCH 26, 2025/27665	NEW WEST CANISTER VOC MARCH 26, 2025/1241	QC Batch		
Volatile Organics								
Pressure on Receipt	psig	(-3.5)	(-3.2)	(-4.2)	(-3.3)	9901984		
QC Batch = Quality Contr	ol 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		APJM67			APJM68				
Sampling Date		2025/03/26			2025/03/26				
COC Number		na			na				
	UNITS	NORTH CANISTER VOC MARCH 26, 2025/292	ug/m3	DL (ug/m3)	OLD WEST CANISTER VOC MARCH 26, 2025/14533	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	0.41	1.32	0.319	0.32	0.10	1.03	0.319	9901415
Surrogate Recovery (%)	•		•			•			•
Bromochloromethane	%	94	N/A	N/A	73		N/A	N/A	9901415
D5-Chlorobenzene	%	89	N/A	N/A	68		N/A	N/A	9901415
Difluorobenzene	%	94	N/A	N/A	63		N/A	N/A	9901415
RDL = Reportable Detectio QC Batch = Quality Contro N/A = Not Applicable			•			•	•	•	•

Bureau Veritas ID		APJM69			APJM70					
Sampling Date		2025/03/26			2025/03/26					
COC Number		na			na					
	UNITS	SOUTH CANISTER VOC MARCH 26, 2025/27665	ug/m3	DL (ug/m3)	NEW WEST CANISTER VOC MARCH 26, 2025/1241	RDL	ug/m3	DL (ug/m3)	QC Batch	
Volatile Organics										
Benzene	ppbv	1.66	5.32	0.319	0.35	0.10	1.11	0.319	9901415	
Surrogate Recovery (%)	Surrogate Recovery (%)									
Bromochloromethane	%	73	N/A	N/A	71		N/A	N/A	9901415	
D5-Chlorobenzene	%	69	N/A	N/A	65		N/A	N/A	9901415	
Difluorobenzene	%	67	N/A	N/A	60		N/A	N/A	9901415	

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	y to the items tested.
---------------------	------------------------



Report Date: 2025/04/11

RAIN CARBON Canada Inc.

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
9901415	LSY	Spiked Blank	Bromochloromethane	2025/03/31		115	%	60 - 140
			D5-Chlorobenzene	2025/03/31		113	%	60 - 140
			Difluorobenzene	2025/03/31		118	%	60 - 140
			Benzene	2025/03/31		95	%	70 - 130
9901415	LSY	Method Blank	Bromochloromethane	2025/03/31		94	%	60 - 140
			D5-Chlorobenzene	2025/03/31		89	%	60 - 140
			Difluorobenzene	2025/03/31		95	%	60 - 140
			Benzene	2025/03/31	<0.10		ppbv	
9901415	LSY	RPD	Benzene	2025/03/31	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:

Hulanie Mabr	
Melanie Mabini, Team Leader	

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Your P.O. #: 4500625271

Site Location: 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: 2025/04/02

Report #: R8513296 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534357 Received: 2025/03/28, 17:10

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/03/31	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/03/31	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.

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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 P.O. #: 4500625271

Site Location: 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: 2025/04/02

Report #: R8513296

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534357 Received: 2025/03/28, 17:10

Encryption Key

Julian Tong

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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Report Date: 2025/04/02

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		APJM63							
Sampling Date		2025/03/26							
COC Number		na							
	UNITS	EAST CANISTER VOC MARCH 26, 2025	QC Batch						
Volatile Organics									
Pressure on Receipt	psig	(-4.0)	9901527						
QC Batch = Quality Control Ba	QC Batch = Quality Control Batch								



Report Date: 2025/04/02

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		APJM63								
Sampling Date		2025/03/26								
COC Number		na								
	UNITS	EAST CANISTER VOC MARCH 26, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch				
Volatile Organics										
Benzene	ppbv	97.6	0.10	312	0.319	9901202				
Surrogate Recovery (%)										
Bromochloromethane	%	85		N/A	N/A	9901202				
D5-Chlorobenzene	%	86		N/A	N/A	9901202				
Difluorobenzene	%	88		N/A	N/A	9901202				
RDL = Reportable Detection L QC Batch = Quality Control Ba N/A = Not Applicable										



RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C534357 Report Date: 2025/04/02 RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9901202	TIM	Spiked Blank	Bromochloromethane	2025/03/31		109	%	60 - 140
			D5-Chlorobenzene	2025/03/31		106	%	60 - 140
			Difluorobenzene	2025/03/31		108	%	60 - 140
			Benzene	2025/03/31		92	%	70 - 130
9901202	TIM	Method Blank	Bromochloromethane	2025/03/31		102	%	60 - 140
			D5-Chlorobenzene	2025/03/31		91	%	60 - 140
			Difluorobenzene	2025/03/31		103	%	60 - 140
			Benzene	2025/03/31	< 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.



RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

VALIDATION SIGNATURE PAGE

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

Melanie Mabini, Team Leader

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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: 2025/04/10

Report #: R8518239 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533824 Received: 2025/03/28, 11:20

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/03/31	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/03/31	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.

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

(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 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: 2025/04/10

Report #: R8518239 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533824 Received: 2025/03/28, 11:20

Encryption Key



Bureau Veritas

10 Apr 2025 13:16:29

Please direct all questions regarding this Certificate of Analysis to: Cristina (Maria) Bacchus, Project Manager

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.

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Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		APIK54	
Sampling Date		2025/03/26	
COC Number		na	
	LINUTC	STN29164 26-MAR-25	OC Botch
	ONITS	311V29104 20-IVIAK-25	QC Batch
Pressure on Receipt	psig	(-3.9)	9901527



Site Location: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		APIK54				
Sampling Date		2025/03/26				
COC Number		na				
	UNITS	STN29164 26-MAR-25	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.28	0.10	0.905	0.319	9901202
Surrogate Recovery (%)						
Bromochloromethane	%	86		N/A	N/A	9901202
D5-Chlorobenzene	%	79		N/A	N/A	9901202
Difluorobenzene	%	87		N/A	N/A	9901202

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 #: C533824 Report Date: 2025/04/10 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
9901202	TIM	Spiked Blank	Bromochloromethane	2025/03/31		109	%	60 - 140
			D5-Chlorobenzene	2025/03/31		106	%	60 - 140
			Difluorobenzene	2025/03/31		108	%	60 - 140
			Benzene	2025/03/31		92	%	70 - 130
9901202	TIM	Method Blank	Bromochloromethane	2025/03/31		102	%	60 - 140
			D5-Chlorobenzene	2025/03/31		91	%	60 - 140
			Difluorobenzene	2025/03/31		103	%	60 - 140
			Benzene	2025/03/31	< 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:

Hulanie Mabr	
Melanie Mabini, Team Leader	

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APPENDIX E

Field Notes



Station : East

Location : 725 Strathearne Avenue N, Hamilton

Period : January 1 to March 31, 2025

Quarter Q1

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 ³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
01-Jan-25	AKGO85-01	AKGO85-01	31-Dec-24	38	4958.59	38	4981.91	02-Jan-25	325.6	23.32	RH	
01-3an-23	PUF#1	ARG003-01	16:00	30	4930.39	30	4301.31	15:30	323.0	23.32	IXII	
13-Jan-25	AMXL07-01	AMXL07-01	10-Jan-25	38	4981.91	38	5005.27	14-Jan-25	328.9	23.36	RH	
13-3411-25	PUF#1	AIVIALU7-01	18:22	30	4501.51	36	3003.27	15:50	320.9	23.30	KH	
25-Jan-25	AMXL33-01	AMXL33-01	24-Jan-25	38	5005.27	38	5028.54	27-Jan-25	329.9	23.27	RH	
25-Jan-25	PUF#1	AIVIALSS-U I	14:10	30	5005.27	30	3020.34	13:30	329.9	23.21	КП	
06-Feb-25	ANJO72-01	ANJO72-01	05-Feb-25	38	5028.54	38	5051.76	07-Feb-25	327.0	23.22	RH	
06-Feb-25	PUF#1	ANJU12-01	16:46	30	3020.34	30	5051.76	14:30	327.0	23.22	КП	
18-Feb-25	ANJP51-01	ANJP51-01	14-Feb-25	30	5051.80	30	5075.16	20-Jan-25	305.9	23.36	RH	
16-Feb-25	PUF#1	ANJP31-01	17:26	30	3031.60	30	5075.16	10:46	305.9	23.30	КП	
02-Mar-25	ANJP64-01	ANJP64-01	28-Feb-25	26	5075.16	12	5098.57	03-Mar-25	258.5	23.41	RH	Total PUF volume recorded was 258.3 m3 and under the minimum
02-War-25	PUF#1	ANJP04-01	14:00	20	5075.16	12	5096.57	14:06	256.5	23.41		volume requirement of 293.6 m3.
14-Mar-25	AOKI11-01	AOKI11-01	12-Mar-25	26	5121.90	22	5145.21	17-Mar-25	290.3	23.31	PD/RH	Total PUF volume recorded was 290.3 m3 and under the minimum
14-War-25	PUF#1	AUKITI-UT	13:30	20	5121.90	22	5145.21	15:50	290.3	23.31		volume requirement of 293.6 m3.
26-Mar-25	AOKI34-01	AOKI34-01	25-Mar-25	38	5145.22	38	5168.60	27-Mar-25	340.9	23.38	RH	
20-iviai -25	PUF#1	AUN134-01	17:00	30	3143.22	30	0100.00	15:50	340.9	23.30	КΠ	
29-Mar-25	APAX49-01	APAX49-01	28-Mar-25	38	5168.60	38	5191.88	31-Mar-25	339.0	23.28	RH	Resample monitoring day.
29-IVIAT-25	PUF#1	AFAA49-01	16:30	38	00.8016	38	0181.00	16:05	339.0	23.28	КΠ	



Station : North

Location : 725 Strathearne Avenue N, Hamilton

Period : January 1 to March 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 m ³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
01-Jan-25	AKGO86-01	AKGO86-01	31-Dec-24	38	3189.59	38	3213.04	02-Jan-25	298.2	23.45	RH	
01 04.11 20	PUF#2	7.11.0000 01.	16:20	00	0.00.00	00	02 1010 1	15:45	200.2	20.10		
13-Jan-25	AMXL08-01	AMXL08-01	10-Jan-25	38	3213.04	38	3236.42	14-Jan-25	300.1	23.38	RH	
13-3411-23	PUF#1	AIVIALUO-U I	18:42	36	3213.04	36	3230.42	16:00	300.1	23.30	KH	
25-Jan-25	AMXL34-01	AMYL 24 04	24-Jan-25	38	3236.42	38	3259.78	27-Jan-25	302.1	23.36	RH	
25-Jan-25	PUF#2	AMXL34-01 14:25	14:25	38	3230.42	38	3239.78	13:45	302.1	23.30	КП	
06-Feb-25	ANJO73-01	ANJO73-01	05-Feb-25	38	3259.78	38	3283.22	07-Feb-25	300.9	23.44	RH	
06-Feb-25	PUF#2	ANJU73-01	17:00	30	3239.70	30	3203.22	14:40	300.9	23.44	КП	
18-Feb-25	ANJP52-01	ANJP52-01	14-Feb-25	38	3283.23	38	3306.64	20-Feb-25	206.4	23.41	RH	
16-Feb-25	PUF#2	ANJP52-01	17:51	30	3203.23	30	3300.04	10:58	306.4	25.41	КП	
02-Mar-25	ANJP65-01	ANJP65-01	28-Feb-25	38	3306.67	38	3330.09	03-Mar-25	305.1	23.42	RH	
02-War-25	PUF#2	ANJP05-UI	14:20	38	3306.67	38	3330.09	14:10	305.1	23.42	КП	
14-Mar-25	AOKI12-01	AOKI12-01	12-Mar-25	28	3330.15	30	3353.70	17-Mar-25	290.5	23.55	PD/RH	Total PUF volume recorded was 290.5 m3 and under the minimum
14-War-25	PUF#2	AUNIIZ-UI	13:45	20	3330.13	30	3333.70	14:10	290.5	23.55		volume requirement of 293.6 m3.
26-Mar-25	AOKI35-01	AOKI35-01	25-Mar-25	38	3377.21	38	3400.69	27-Mar-25	330.6	23.48	RH	
20-iviar-25	PUF#2	AUNI35-01	17:20	38	3311.21	38	3400.09	16:15	330.6	23.48	КΠ	
29-Mar-25	APAX50-01	APAX50-01	28-Mar-25	38	3400.69	38	3424.17	31-Mar-25	330.0	23.48	RH	Resample monitoring day.
29-IVIAI -25	PUF#2	AFAADU-U I	16:40	30	3400.09	30	J424.17	16:15	330.0	23.40	КΠ	



Station : Old West

Location : 725 Strathearne Avenue N, Hamilton

Period : January 1 to March 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
01-Jan-25	AKGO87-01	AKGO87-01	31-Dec-24	38	4853.36	38	4877.14	02-Jan-25	332.2	23.78	RH	
01-5411-25	PUF#3	ARG001-01	17:15	30	4000.00	50	1077.11	16:45	332.2	25.70	IXII	
13-Jan-25	AMXL09-01	AMXL09-01	10-Jan-25	38	4877.14	38	4900.91	14-Jan-25	334.7	23.77	RH	
13-Jan-25	PUF#1	AMALU9-U I	19:25	38	4877.14	38	4900.91	17:10	334.7	23.11	КП	
25-Jan-25	AMXL35-01	AMXL35-01	24-Jan-25	38	4900.91	38	4924.79	27-Jan-25	338.4	23.88	RH	
25-Jan-25	PUF#3	, (IVI/\LOO-01	15:30	38	4900.91	38	4924.79	17:54	338.4	23.88	КП	
06-Feb-25	ANJO74-01	ANJO74-01	ANJO74-01 05-Feb-25 38	20	4924.79	38	4948.27	07-Feb-25	330.7	23.48	RH	
06-Feb-25	PUF#3		18:09	30	4924.79	38	4948.27	15:32	330.7	23.46	КП	
40 5-1-05	ANJP53-01		18-Feb-25	32	40.40.07	00	4070.00	20-Feb-25	200.0	00.70	RH	
18-Feb-25	PUF#3	ANJP53-01	10:57	32	4948.27	32	4972.06	12:31	323.3	23.79	КП	
02-Mar-25	ANJP66-01	ANJP66-01	28-Feb-25	20	4972.06		4995.62	03-Mar-25	242.9	23.56	RH	Total PUF volume recorded was
02-Mar-25	PUF#3	ANJP66-01	17:26	20	4972.06	8	4995.62	15:33	242.9	23.56		242.9 m3 and under the minimum volume requirement of 293.6 m3.
44.5	AOKI13-01	1014140.04	12-Mar-25	00	1070.00	00	1005.00	17-Mar-25	222.2	22.22	DD /DL1	·
14-Mar-25	PUF#3	AOKI13-01	15:00	32	4972.30	30	4995.96	15:50	320.3	23.66	PD/RH	
	AOKI36-01		25-Mar-25	0.4	1005.00	0.4	5040.70	27-Mar-25	224.0	00.70	i	
26-Mar-25	PUF#3 AOKI36-I	AUKI36-01	19:05	34	4995.98	34	5019.70	17:40	331.9	23.72	RH	
22.11 25	APAX51-01	ADAV54.6:	28-Mar-25		5040.76	36	5043.39	31-Mar-25		23.69		Resample monitoring day.
29-Mar-25	PUF#3	APAX51-01	17:20	38	5019.70			17:00	340.3		RH	



Station : South

Location : 725 Strathearne Avenue N, Hamilton

Period : January 1 to March 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 ³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
01-Jan-25	AKGO88-01	AKGO88-01	31-Dec-24	38	4734.17	38	4757.13	02-Jan-25	320.9	22.96	RH	
01-5an-25	PUF#4	ARGC00-01	16:30	30		30	4737.13	16:05	320.9	22.90	IXII	
13-Jan-25	AMXL10-01	AMXL10-01	10-Jan-25	38	4757.13	38	4780.19	14-Jan-25	325.6	23.06	RH	
13-Jan-25	PUF#1	AWAL 10-01	19:10	38	4/5/.13	38	4780.19	16:30	325.6	23.00	КП	
	AMXL36-01	110/100 04	24-Jan-25	38	4780.19		1000.01	27-Jan-25	040.0	00.00		
25-Jan-25	PUF#4	AMXL36-01	14:45	38	4780.19	32	4803.01	14:00	312.8	22.82	RH	
	ANJO75-01	411075.04	06-Feb-25	00	1000.01		1005.07	07-Feb-25	040.0	22.22		
06-Feb-25	PUF#4	ANJO75-01	17:25	- 38	4803.01	38	4825.97	14:57	312.2	22.96	RH	
	ANJP54-01		14-Feb-25					20-Feb-25				
18-Feb-25	PUF#4	ANJP54-01	18:11	32	4825.97	32	4849.84	11:22	318.1	23.87	RH	
	ANJP67-01		28-Feb-25					03-Mar-25				Total PUF volume recorded was
02-Mar-25	PUF#4	ANJP67-01	17:34	22	4849.84	10	4873.81	14:35	233.2	23.97		233.2 m3 and under the minimum volume requirement of 293.6 m3.
	AOKI14-01		12-Mar-25					17-Mar-25				
14-Mar-25	PUF#4	AOKI14-01	14:00	33	4873.81	30	4896.72	15:50	303.9	22.91	RH	
	AOKI37-01		25-Mar-25					27-Mar-25				
26-Mar-25	PUF#4	AOKI37-01	17:40	32	4896.72	32	4918.80	16:45	296.0	22.08	RH	
	APAX52-01		28-Mar-25					31-Mar-25	328.1			Resample monitoring day.
29-Mar-25	PUF#4	APAX52-01	16:50	38	4918.80	38	4941.65	16:34		22.85	RH	



Station : New West

Location : 725 Strathearne Avenue N, Hamilton

Period : January 1 to March 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 ³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
01-Jan-25	AKGO89-01	AKGO89-01	31-Dec-24	38	4539.27	38	4562.93	02-Jan-25	316.2	23.66	RH	
01-Jan-25	PUF#5	ANGO09-01	16:50	30	4559.27	30	4502.95	16:20	310.2	23.00	КП	
42 Jan 00	AMXL11-01	AMXL11-01	10-Jan-25	38	4562.93	38	4586.50	14-Jan-25	318.6	23.57	RH	
13-Jan-00	PUF#1	AWALTI-UT	19:20	38	4502.93	38	4586.50	16:45	318.0	23.57	КП	
05 1 05	AMXL37-01	A M V 1 0 7 0 4	24-Jan-25	00	4500 50	00	4040.00	27-Jan-25	204.4	00.70	RH	
25-Jan-25	PUF#5	AMXL37-01	15:00	38	4586.50	38	4610.29	18:26	324.4	23.79	KH	
00 5-4-05	ANJO76-01	ANJO76-01	05-Feb-25	00	4040.00	38	1000 71	07-Feb-25	240.0	00.40	RH	
06-Feb-25	PUF#5	VIA0010-01	17:54	38	4610.29	30	4633.71	15:15	316.6	23.42	KH	
40 Fab 25	ANJP55-01	ANJP55-01 14-Feb-25 18:30	14-Feb-25	32	4622.74	20	4057.00	20-Feb-25	200.6	22.55	RH	
18-Feb-25	PUF#5		18:30	32	4633.71	32	4657.26	12:48	298.6	23.55	KH	
00 Mari 05	ANJP68-01	AN IDOO 04	28-Feb-25		4057.00		4057.00	03-Mar-25	0.0	0.00		Sample did not operate as no
02-Mar-25	PUF#5	ANJP68-01	17:00	0	4657.26	0	4657.26	15:00	0.0	0.00	RH	power to the PAH monitor.
04 М 05	ANJP68-01	AN IDO0 04	03-Mar-25	40	4057.00	40	4000.00	07-Mar-25	404.7	00.00		otal PUF volume recorded was
04-Mar-25	PUF#5	ANJP68-01	15:00	10	4657.26	18	4680.88	10:09	191.7	23.62		191.7 m3 and under the minimum volume requirement of 293.6 m3.
44 Ман 05	AOKI15-01	A O K 14 5 O 4	12-Mar-25	00	4004.40	00	4704.05	17-Mar-25	205.0	00.55	Di	·
14-Mar-25	PUF#5	AOKI15-01	14:30	38	4681.10	36	4704.65	16:40	325.9	23.55	RH	
00 Mari 05	AOKI38-01	A O1/100 04	25-Mar-25	0.4	4704.70	20	4700.05	27-Mar-25	240.4	00.50	DII	
26-Mar-25	PUF#5	AOKI38-01	17:40	34	4704.79	32	4728.35	17:20	310.4	23.56	RH	
00 Mari 05	APAX53-01	ADAV50.01	28-Mar-25	00				31-Mar-25				Resample monitoring day.
29-Mar-25	PUF#5 APAX53-01	17:05	38	4728.35	38	4751.91	16:45	331.1	23.56	RH		



Station : East

Location : 725 Strathearne Avenue N, Hamilton

Period: January 1 to March 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
	4.4070	31-Dec-24		22.2			02-Jan-25		04.0	5		
01-Jan-25	14270	16:10		-30.0		-7.5	15:40		24.0	RH		
42 Jan 25	267	10-Jan-25		20.0		-8.0 14-Jan-25 15:50	14-Jan-25		24.0	RH		
13-Jan-25	207	18:32		-30.0				24.0	МП			
25-Jan-25	14934	24-Jan-25		-30.0		-7.0	27-Jan-25		24.0	RH		
25-5411-25		14:10		-30.0		-7.0	13:30		24.0	IXII		
06-Feb-25	249	05-Feb-25		-30.0		-8.0	07-Feb-25		24.0	RH		
00-1 eb-25	5 249	16:30				-0.0	14:35		24.0	IXII		
18-Feb-25	1241	14-Feb-25		-30.0		-11.5	20-Feb-25		24.0	RH		
10-1 65-20	1241	17:31		-50.0			10:50		24.0	TALL		
02-Mar-25	14506	28-Feb		-30.0		-10.0	03-Mar-25		24.0	RH		
72-11101-20	17000	13:58		-00.0		-10.0	13:56		27.0	1411		
14-Mar-25	14076	13-Mar		-30.0		-11.0	17-Mar-25		24.0	RH		
17-Wai -23	17070	16:30		-50.0		-11.0	15:55		24.0	IMI		
26-Mar-25	114	25-Mar		-30.0		-10.0	27-Mar-25		24.0	RH		·
20 11101-20		17:10		55.0		10.0	16:00		2-7.0	1311		



Station : North

Location : 725 Strathearne Avenue N, Hamilton

Period: January 1 to March 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
01-Jan-25	14273	31-Dec-24		-30.0		-10.0	02-Jan-25		24.0	RH		
01-3a11-23	14273	15:30		-30.0		-10.0	15:45		24.0	IXII		
13-Jan-25	27694	10-Jan-25		-30.0		-10.0	14-Jan-25		24.0	RH		
13-Jan-25	27094	18:42		-30.0		-10.0	16:05		24.0	КП		
25-Jan-25	23649	24-Jan-25		-30.0		-9.5	27-Jan-25		24.0	RH		
25-Jan-25	23049	14:25		-30.0		-9.5	13:50		24.0	КП		
06-Feb-25	22742	05-Feb-25		-30.0		-30.0	07-Feb-25		24.0	RH		The February 6, 2024, MECP monitoring day VOC monitor summa canister off
06-Feb-25	23743	17:10		-30.0		-30.0	14:43		24.0	КП		pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
08-Feb-25	23743	07-Feb-25		-30.0		-10.0	11-Feb-25		24.0	RH		Saturday February 8, 2024 resampling day.
00-Feb-25	23/43	14:50		-30.0		-10.0	16:26		24.0	КП		
18-Feb-25	27655	14-Feb-25		-30.0		-10.0	20-Feb-25		24.0	RH		
16-Feb-25	27000	17:50		-30.0		-10.0	11:03		24.0	КП		
02-Mar-25	17177	28-Feb-25		-30.0		-10.0	03-Mar-25		24.0	RH		
02-iviar-25	17177	14:41		-30.0		-10.0	14:11		24.0	ΝП		
14-Mar-25	7841	13-Mar		-30.0		-10.0	17-Mar-25		24.0	RH		
14-IVIAF-25	7041	16:35		-30.0		-10.0	16:05		24.0	KΠ		
26-Mar-25	202	25-Mar		-30.0		40.0	27-Mar-25		24.0	RH		
∠0-IVIAF-25	292	17:25		-30.0		-10.0	16:15		24.0	ПΠ		



Station : Old West

Location : 725 Strathearne Avenue N, Hamilton

Period : January 1 to March 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
01-Jan-25	14518	31-Dec-24		-30.0		-16.0	02-Jan-25		24.0	RH		
01-Jan-25	14516	15:30		-30.0		-10.0	16:45		24.0	КП		
42 1 25	32578	10-Jan-25		-30.0		-14.0	14-Jan-25		24.0	RH		
13-Jan-25	32376	19:30		-30.0		-14.0	17:05		24.0	КП		
25-Jan-25	18277	24-Jan-25		-30.0		-13.0	27-Jan-25		24.0	RH		
25-Jan-25	10277	15:32		-30.0		-13.0	17:58		24.0	КП		
06-Feb-25	7805	05-Feb-25		-30.0		00.0	07-Feb-25		24.0	RH		The February 6, 2024, MECP monitoring day VOC monitor summa canister off
06-Feb-25		18:09		-30.0		-30.0	15:34		24.0	КП		pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
08-Feb-25	7805	07-Feb-25		-30.0		-15.0	11-Feb-25		24.0	RH		Saturday February 8, 2024 resampling day.
00-Feb-25	7005	15:34		-30.0		-15.0	14:43		24.0	КП		
18-Feb-25	23478	18-Feb-25		-30.0		-15.0	20-Feb-25		24.0	RH		
10-гер-25	23470	11:05		-30.0		-15.0	12:34		24.0	КП		
02-Mar-25	32592	28-Feb-25		-29.0		-7.0	03-Mar-25		24.0	RH		
02-IVIAI -25	32332	18:33		-23.0		-7.0	15:14		24.0	IXII		
14-Mar-25	23656	13-Mar		-30.0		-12.0	17-Mar-25		24.0	RH		
14-IVIAI -23	23030	17:30		-30.0		-12.0	17:05		24.0	ΝП		
26-Mar-25	14533	25-Mar		-30.0		-10.0	27-Mar-25		24.0	RH		
20-iviai -23	14533	19:10		-50.0		-10.0	17:40		24.0	IXII		



Station : South

Location : 725 Strathearne Avenue N, Hamilton

Period: January 1 to March 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
- 1			1	ı	Г			T	1		<u> </u>	
01-Jan-25	32591	31-Dec-24		-30.0		-8.0	02-Jan-25		24.0	RH		
		16:40					16:10					
13-Jan-25	7849	10-Jan-25		-30.0		-9.5	14-Jan-25		24.0	RH		
13-3411-23	7043	18:59		-30.0			16:20		20	IXII		
25-Jan-25	Jan-25 23655	24-Jan-25		-30.0		-7.0	27-Jan-25		24.0	RH		
25-Jan-25		14:44		-30.0			14:05		24.0	ΝП		
00 5-4 05	44520	05-Feb-25		-30.0		-8.0	07-Feb-25		24.0	RH		
06-Feb-25	14538	17:30				-8.0	15:00		24.0	КП		
18-Feb-25	2926	14-Feb-25		-30.0		-9.0	20-Feb-25		24.0	RH		
10-Feb-25	2920	18:12		-30.0		-9.0	11:22			ΝП		
02 Mar 25	7865	28-Feb-25		-29.0		12.0	03-Mar-25		24.0	RH		
02-Mar-25	000	17:37		-29.0		-12.0	14:36		24.0	KΠ		
14-Mar-25	5 283	13-Mar		-30.0		-11.0	17-Mar-25		24.0	RH		
14-War-25		16:50]	-30.0		-11.0	16:25		24.0	ПΠ		
26-Mar-25	27665	25-Mar		-30.0		-10.0	27-Mar-25		24.0	RH		
20-ivial -25	21000	17:50]	-30.0		-10.0	16:50		24.0	INII		



Station : New West

Location : 725 Strathearne Avenue N, Hamilton

Period: January 1 to March 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
01-Jan-25	18252	31-Dec-25		-30.0		-4.0	02-Jan-25		24.0	RH		
01-Jan-25	16252	17:03		-30.0		-4.0	16:30			КП		
40 105	40070	10-Jan-25		20.0		20.0	14-Jan-25		24.0	RH		pressure was - 28 inches Hg due to a
13-Jan-25	18273	19:16		-28.0		-28.0	16:45		24.0	KH		VOC sampler timer valve failure. Resample on January 15, 2025.
2025-01-15	10070	14-Jan-25		00.0		4.0	20-Jan-25		24.2	D		Resamble on January 17, 2025.
Resample	18273	16:45		-28.0		-4.0	11:20		24.0	RH		
	7055	24-Jan-25				4.0	27-Jan-25					
25-Jan-25	5-Jan-25 7855	15:08		-30.0		-4.0	17:42		24.0	RH		
00 5:1: 05	7050	05-Feb-25		00.0		4.0	07-Feb-25		24.2	D		
06-Feb-25	7853	17:54		-30.0		-4.0	16:25		24.0	RH		
40 5 1 05	070	18-Feb-25		00.0		0.0	20-Feb-25		24.2	D		
18-Feb-25	276	11:21		-30.0		-6.0	12:50		24.0	RH		
00.1405	44505	28-Feb-25		20.0		7.0	03-Mar-25		24.0	DII		
02-Mar-25	14525	18:03		-28.0		-7.0	15:02		24.0	RH		
44.0005	7005	13-Mar		00.0		7.0	17-Mar-25		24.2	DI.		
14-Mar-25	7805	17:10		-30.0		-7.0	16:45		24.0	RH		
	4044	25-Mar		20.0		44.0	27-Mar-25		24.2	- DII		
26-Mar-25	1241	18:55		-28.0		-11.0	17:20		24.0	RH		