

REPORT

August 2025 Ambient Air Monitoring Report

Rain Carbon Canada Inc.

Submitted by:

Rain Carbon Canada Inc.

725 Strathearn Avenue North
Hamilton, Ontario
L8H 5L3

September 2025

Distribution List

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1.0 INTRODUCTION

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

The ambient air monitoring measurements for August 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 August 2022 through December 2022 and resumed monitoring on August 7, 2023.

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

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

2.0 AMBIENT MONITORING STATIONS

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

Table 1: Rain Carbon Ambient Air Quality Monitoring Stations

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

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

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

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

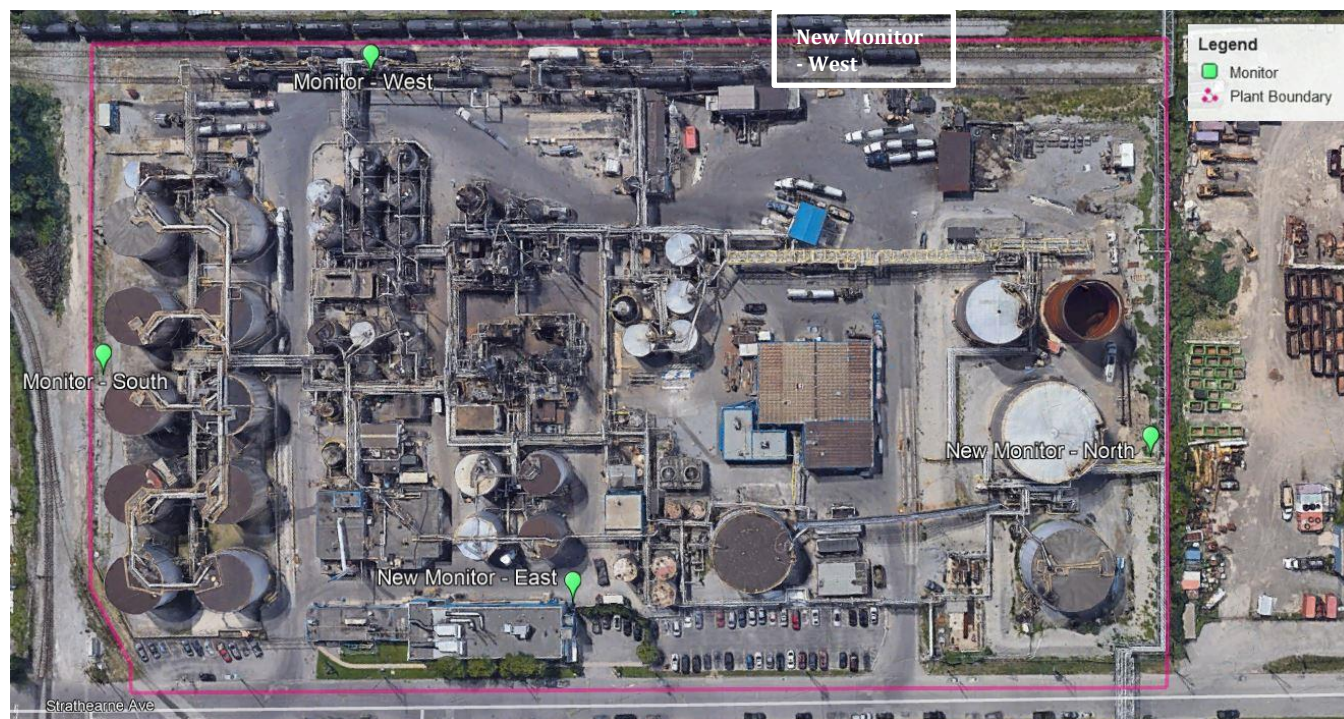


Figure 1: Monitor and Source Locations



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

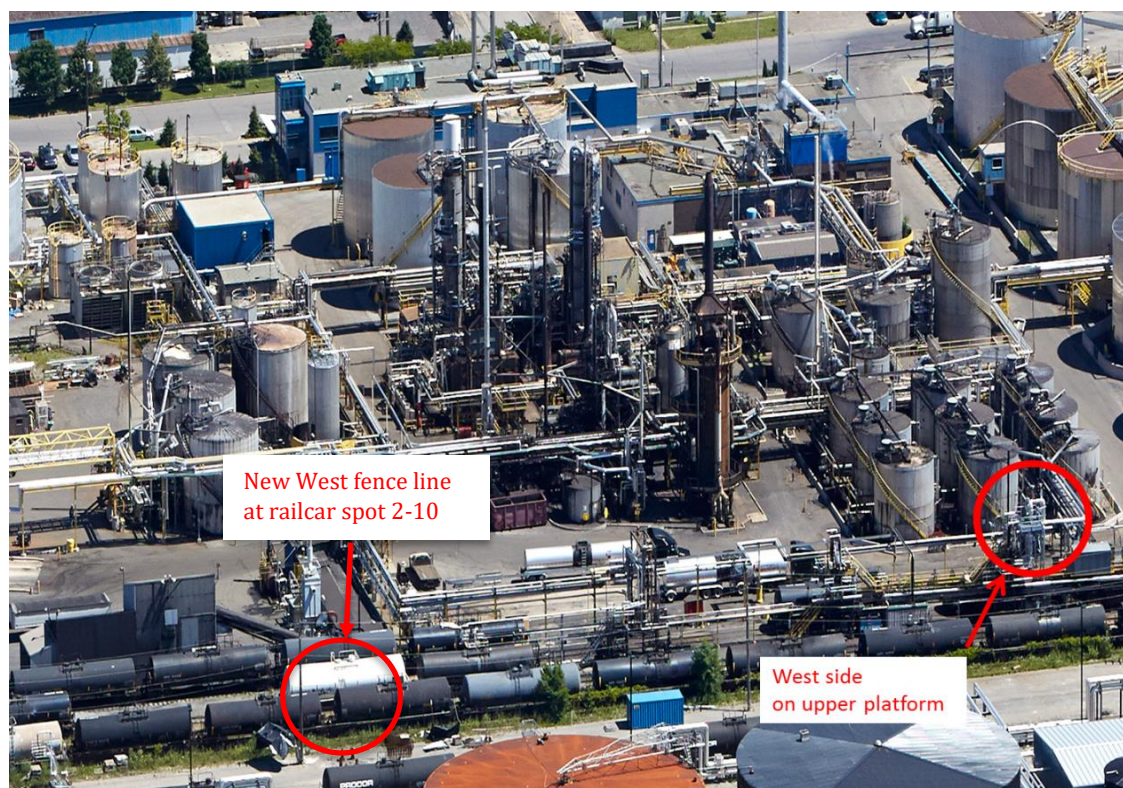


Figure 3: Monitor Locations on the West Side of the Facility



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

3.0 SUMMARY OF MONITORING EQUIPMENT CONDITIONS

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

For the August 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

For the August 2025 benzene monitoring results, all the summa canister pressures on receipt were within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg except for at the east and north VOC monitors on the **Sunday August 17, 2025, MECP monitoring event**.

The east VOC monitor recorded summa canister pressures on receipt of – 13.84 inches Hg likely due to the very high ambient air temperature on the **Sunday August 17, 2025, MECP monitoring event** impacting the east monitor VOC sampler timer air flows.

The north VOC monitor recorded summa canister pressures on receipt of – 30.00 inches Hg likely due to the VOC sampler timer internal valve failing to open on the **Sunday August 17, 2025, MECP monitoring event** so that no sample was obtained at the north VOC monitor.

The north VOC monitor was successfully operated again on the **Wednesday August 20, 2025, additional north VOC monitor monitoring event** and the east VOC monitor was successfully operated again on the **Tuesday August 26, 2025, additional east VOC monitor monitoring event**.

Prior to the **Friday August 29, 2025, MECP monitoring event**, Rotek Inc. conducted the Q3 2025 cleaning, service, repair and calibration of all B(a)P and VOC monitors on **Wednesday August 27, 2025**.

The B(a)P monitor motors were all replaced and the east and north VOC monitor MFC flowrates were increased slightly for the warm weather conditions in order to elevate slightly the final summa canister pressures on receipt at these two locations.

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

Monitoring Event Date	Benzene SUMMA Canister Pressure on Receipt (inches Hg)					
	East	North	Old West	South	New West	HAMN STN 29164
August 5	- 8.35	- 9.16	- 10.18*	-10.99*	- 8.75	-9.16
August 17	-13.84**	- 30.00**	-10.18*	-12.42*	- 8.14	-7.74
August 20, 2025, North VOC Monitor additional monitoring event	-	- 9.16	-	-	-	-
Tuesday August 26, 2025, East VOC Monitor additional monitoring event.	-7.74	-	-	-	-	-
August 29	- 8.96	- 5.50	- 5.90	- 5.09	- 7.33	-8.35

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

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

Table 3: PUF Filter Total Volumes

Monitoring Event Date	+B(a)P PUF Total Volume [m ³]					
	East	North	Old West	South	New West	HAMN STN 29164
August 5	333.8	310.8	321.5	320.4	318.7	317.2
August 17	328.2	301.9	313.7	321.9	319.5	310.1
August 29	322.1	311.8	316.7	321.9	314.2	310.4

4.0 SUMMARY OF BENZENE MEASUREMENTS

Table 4: Summary of August 2025 Benzene Measurements

Monitoring Event Date	Measured Concentration [$\mu\text{g}/\text{m}^3$]					HAMN STN 29164
	East	North	Old West	South	New West	
August 5	5.16	1.40	8.99*	45.1*	3.25	0.783
August 17	Invalid sample**	No sample**	4.39	15.8	2.53	0.513
August 20, 2025, North VOC Monitor additional monitoring event.	-	0.428	-	-	-	-
August 26, 2025, East VOC Monitor additional monitoring event.	15.3	-	-	-	-	-
August 29	11.8	2.43	1.84	43.4	2.09	1.04

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

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

Three sets of benzene measurements were taken in August 2025. In addition, the north VOC monitor was successfully operated again on the **Wednesday August 20, 2025, additional north VOC monitor monitoring event** and the east VOC monitor was successfully operated again on the **Tuesday August 26, 2025, additional east VOC monitor monitoring event**. The measurements range from 0.513 $\mu\text{g}/\text{m}^3$ to 45.1 $\mu\text{g}/\text{m}^3$ benzene, with the highest value being detected at the **south monitor** during the **Tuesday August 5, 2025, MECP monitoring event**.

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

5.0 SUMMARY OF B(a)P MEASUREMENTS.

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

Monitoring Event Date	Measured Concentration [$\mu\text{g}/\text{m}^3$]					HAMN STN 29164
	East	North	Old West	South	New West	
August 5	< 0.00030	< 0.00032	0.00075	0.00069	0.00075	< 0.00032
August 17	0.00030	< 0.00033	0.00077	0.00068	0.00031	< 0.00032
August 29	0.00217	0.00301	0.00120	0.00130	0.00153	0.00110

Three sets of B(a)P measurements were taken in August 2025. The B(a)P measurements ranged from < 0.00030 $\mu\text{g}/\text{m}^3$ to **0.00301 $\mu\text{g}/\text{m}^3$ B(a)P**, with the highest value being detected at the **north monitor** during the **Friday August 29, 2025, monitoring event**. All the B(a)P measurements are summarized in Table 5 above, and copies of the laboratory analysis reports are provided in Appendix B.

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

6.0 CONCLUSIONS

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

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

All of the summa canister pressures on receipt were within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg except for at the east and north VOC monitors on the **Sunday August 17, 2025, MECP monitoring event**.

The east VOC monitor recorded summa canister pressures on receipt of – 13.84 inches Hg likely due to the very high ambient air temperature on the **Sunday August 17, 2025, MECP monitoring event** impacting the east monitor VOC sampler timer air flows. The north VOC monitor recorded summa canister pressures on receipt of – 30.00 inches Hg likely due to the VOC sampler timer internal valve failing to open on the **Sunday August 17, 2025, MECP monitoring event** so that no sample was obtained at the north VOC monitor.

The north VOC monitor was successfully operated again on the **Wednesday August 20, 2025, additional north VOC monitor monitoring event** and the east VOC monitor was successfully operated again on the **Tuesday August 26, 2025, additional east VOC monitor monitoring event**.

Signature Page

Robin Hart

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Environmental Engineer

Rain Carbon Canada Inc.

APPENDIX A

Monitoring Plan

REPORT

Monitoring Plan for Benzo(a)pyrene and Benzene

Rain Carbon Canada Inc.

Submitted to:

Distribution List

Submitted by:

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September 2020

Distribution List

1 PDF Copy - MECP, SDB, Toronto

1 PDF Copy - MECP, Hamilton District Office, Hamilton

1 PDF Copy - Golder Associates.

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APPENDIX A

Site Photos

1.0 INTRODUCTION

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

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

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

1.1 Description of the Facility

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

1.2 Description of the Process

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

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

1.3 Operating Schedule

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

2.0 AIR QUALITY MONITORING PROGRAM

2.1 Sampling Systems and Methodology

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

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

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

Table 2.1: Standard Operation Procedures for Monitoring

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

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

2.1.1 Calibration

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

The monitoring equipment is calibrated by Rotek.

2.2 Monitor Locations

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

Table 2.2: Monitoring Station Locations.

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

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

2.2.1 Siting Criteria

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

Table 2.3: Monitor Locations Comparison to MECP Siting Criteria.

Contaminant	Criteria	Monitor Location				
		North	East	Old West	New West	South
B(a)P and Benzene	Inlet height 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade
B(a)P and Benzene	Inlet at least 1 m (vertical) and 2 m (horizontal) away from structure	Yes	Yes	Yes	Yes	Yes
B(a)P and Benzene	No nearby furnace or incineration flues	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)	Yes	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	✓	✓	—	✓	✓	✓	✓
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/m ³ (0.1 ng/m ³)
Benzene	Mass spectrometry or other detector(s) such as flame ionization detector (FID) or electron capture detector (ECD)	0.16 µg/m ³

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

A handwritten signature in black ink, reading "R. S. Hart". The signature is written in a cursive style with a large, stylized 'H'.

Robin S. Hart P.Eng.

Environmental Engineer

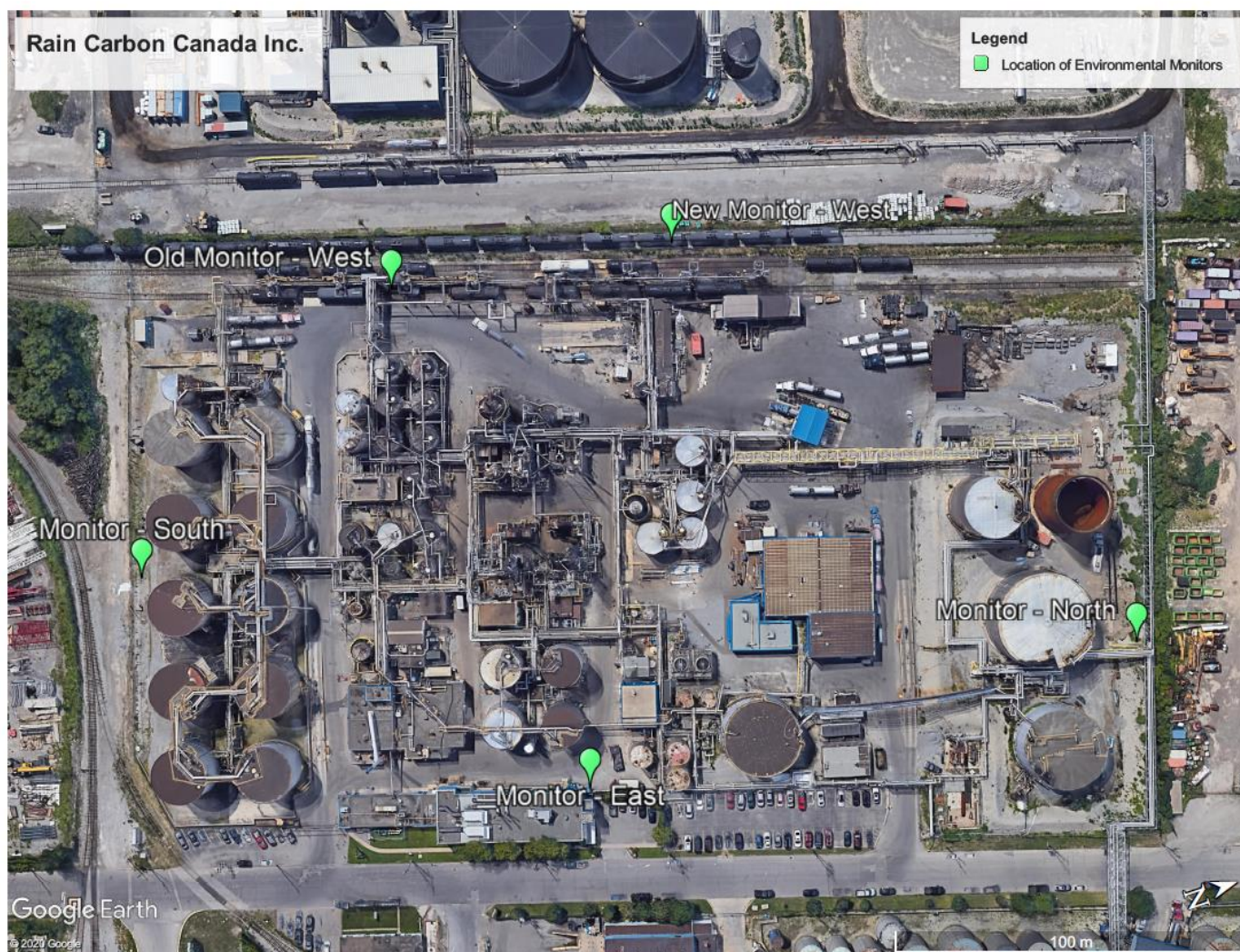
Rain Carbon Canada Inc.

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.

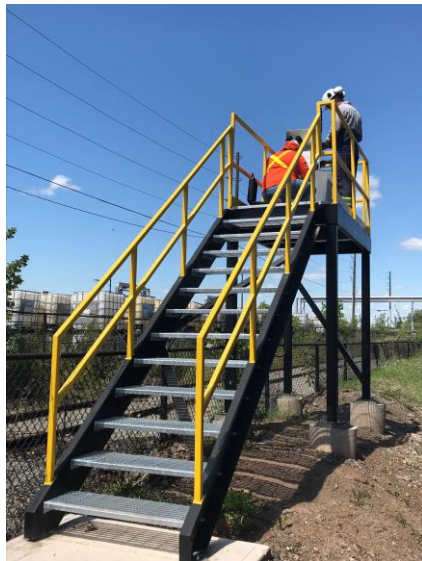


North monitor

Figure A3: Aerial View 1 – Existing South Monitoring Station



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



New West Monitor



East monitor



Figure A4: Aerial View 4 – East Monitoring Station

APPENDIX B

Laboratory Analysis

Rain Carbon Canada Inc. - Monthly BaP Sampling Report

Reporting Period	: August 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/m ³
0.315
0.8

Sample Date
August 5, 2025
August 17, 2025
August 29, 2025

Location					
East	North	Old West	South	New West	STN29164
0.15	0.16	0.75	0.69	0.75	0.16*
0.30	0.165	0.77	0.68	0.31	0.16*
2.17	3.01	1.20	1.30	1.53	1.10

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

0.87	1.11	0.91	0.89	0.86	0.47
2.17	3.01	1.20	1.30	1.53	1.10*
0.15	0.16	0.75	0.68	0.31	0.16*
1	1	1	1	1	1*
3	3	3	3	3	3*
100	100	100	100	100	100*

*These results alone follow Rotek reporting protocol.** Invalid sample as the total PUF volumes recorded were under the minimum volume requirement of 293.6 m³. ** 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 : August 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/m ³
0.319
12.7

Sample Date
August 5, 2025
August 17, 2025
August 20, 2025 (North VOC Monitor Additional monitoring event)
August 26, 2025 (East VOC Monitor Additional monitoring event)
August 29, 2025

Location					
East	North	Old West	South	New West	STN29164
5.16	1.40	8.99	45.1	3.25	0.783*
Invalid sample	Sampler failure	4.39	15.8	2.53	0.513*
-	0.428	-	-	-	-
15.3	-	-	-	-	-
11.8	2.43	1.84	43.4	2.09	1.04*

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

10.75	1.42	5.07	34.8	2.62	0.779*
15.3	2.43	8.99	45.1	3.25	0.104*
5.16	0.428	1.84	15.8	2.09	0.513*
1	0	0	3	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 : August 2025
Sampling Method : CARB429(ARBM1,M2) mod
Sampling Times : 24 hour duration starting at 00:00 EST on the Sample Date

Parameter	BaP
Units	ng/m ³
Analytical RDL	0.315
Annual Site Specific Standard	0.8

Sample Date	Location					
	East	North	Old West	South	New West	STN29164
05-Aug-25	...	...	...	...	...	0.16
17-Aug-25	...	...	...	...	...	0.16
29-Aug-25	...	...	...	...	...	1.10

Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.47
Monthly Max	0.00	0.00	0.00	0.00	0.00	1.10
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.16
No. of Samples >Standard	0	0	0	0	0	1
No. of Valid Samples	0	0	0	0	0	3
% Valid Data	100	100	100	100	100	100

Note: All non detectable results reported as ½ the Reportable Detection Limit (RDL).

Comments

Rain Carbon Canada Inc. - VOC Sampling Report

Reporting Period : August 2025
Sampling Methods : GC/MS (TO15)
Sampling Times : 24 hour duration starting at 00:00 EST on the Sample Date

Parameter	Benzene
Units	ug/m ³
Analytical RDL	0.319
Site Specific Standard	12.7

Sample Date	Location					
	East	North	Old West	South	New West	STN29164
05-Aug-25	...	...	...	...	...	0.78
17-Aug-25	...	...	...	...	...	0.51
29-Aug-25	...	...	...	...	...	1.04

Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.78
Monthly Max	0.00	0.00	0.00	0.00	0.00	1.04
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.51
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

Note: All non detectable results reported as ½ the Reportable Detection Limit (RDL).

Comments

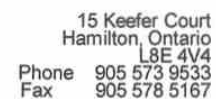
APPENDIX C

Chain of Custody Forms

Temp: 14/19/16
NO CS on ice



Page 1 of 1



Sample Date	05-Aug-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

[illegible]



AIR
6740 Camp
Mississauga

Toll Free: 1-800-668-0639
Phone: (905) 817-5700
Fax: (905) 817-5777

CAM FCD-01302 /3

Page 1 of 2

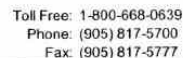
ANALYSIS REQUESTED

[illegible]

Julian Tong



Page 1



Chain of Custody Form - Sum

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	05-Aug-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	1238	05-Aug-25	31-Jul-25	11:45	-30.0	00:01	23:59	24.0	-9.0	07-Aug-25	13:45
Comment 1 :											
Comment 2 :											

Cristina (Maria) Bacchus
C598488

of Custody Form - Summa™ Canister

* Page _2_ of _2_



6740 Campobello Rd
Mississauga Ontario, L5N 2L8
www.bvlabs.com

[illegible]

2025/08/20 16:35

Page 1 of 1

2025/08/21 09:55

AIR

Page 1 of 2

Toll Free: 1-800-668-0639
Phone: (905) 817-5700
Fax: (905) 817-5777

Chain of Custody Form - PUF / PAH

[illegible]

NONT-2025-08-4302

10/10

2025/08/21 09:55



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

PAH Sample Submission Sheet

Sample Date	17-Aug-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

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

[illegible]

Page 1 of 1

VOC Canister Sample Submission Sheet

Sample Date	17-Aug-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 dd/mm/yy	Installation Date dd/mm/yy	Installation Time EST	Initial Pressure inHg	Time On EST	Time Off EST	Elapsed Time Hours	Final Pressure inHg	Retrieval Date dd/mm/yy	Retrieval Time EST
STN29164	16090	17-Aug-25	15-Aug-25	11:30	-30.0	00:01	23:59	24.0	-10.0	19-Aug-25	11:00
Comment 1 :											
Comment 2 :											

AIR

21-Aug-25 09:55

Cristina (Maria) Bacchus

C5A3108

6740 Campobello Rd
Mississauga Ontario, L5N 2L8
www.bvlabs.comToll Free: 1-
Phone: (9
Fax: (9

CAM FCD-01302 /3

y Form - Summa™ Canister

Page _2_ of _2_

INVOICE INFORMATION

Company Name: Rotek Environmental Inc
Contact Name: Paul Daszko
Address: 15 Keefer Court Hamilton
ON L8E 4V4
E-mail: poore@rotekinc.com
Ph: 905 573 9533
Sampled by: Robin Hart

REPORT INFORMATION

Company Name: Rotek Environmental Inc
Project Manager: Paul Daszko
Address: 15 Keefer Court Hamilton
ON L8E 4V4
E-mail: jennifer.davies@rotekinc.com
Ph: 905 573 9533

CIV

AIR-001

ANALYSIS REQUESTED

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/Aliphatic Hydrocarbon Fractions

BTEX/F1 (C6-C10) and F2 (C10-C16)

Selected VOC's - please specify

Other - Do Not Analyze

CANISTERS NOT USED

Field Sample ID

Canister
Serial #Flow
Regulator
Serial #

Retrieval Date

STN29164

17-Aug-25

16090

19-Aug-25

TAT Requirement

STD 10 Business day ☒
Rush 5 Business day * ☐
Rush 2 Business day * ☐
Rush Other * ☐

* need approval from Bureau Veritas

Client Signature: Doug CunninghamDate/Time: August 21 2025 10:00 A.M

PROJECT INFORMATION

Project #:
Name: Rain Carbon Canada Inc
PO #: 32669
Bureau Veritas Quote #:
Bureau Veritas Contact: Cristina Bacchus
Task Order/Line Item

REPORTING REQUIREMENTS

EDD ☐
Regulations ON 153 ☐
ON 419 ☒
BC CSR ☐
Other ☐

Notes

1) please indicate on chain of custody if your samples are
soil vapour or ambient air
2) please list all canisters on the chain of custody even if unused

PROJECT SPECIFIC COMMENTS

Please issue Summa canister pressure upon receipt.

Analyse for Benzene only in ug/m³.

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

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

Julian Tong



Page 1 1



Toll Free: 1-800-668-0639
Phone: (905) 817-5700
Fax: (905) 817-5777

Chain of Custody Form - Summa™ (

[illegible]

		6740 Campobello Rd Mississauga Ontario L5N 2L8 www.bvlabs.com		Toll Free: 1-800-668-0639 Phone: (905) 817-5700 Fax: (905) 817-5777		Chain of Custody Form - Summa™ Canister										CAM FCD-01302 /3 Page 1 1													
INVOICE INFORMATION				REPORT INFORMATION				ANALYSIS REQUESTED																					
Company Name: <u>Rain Carbon Canada Inc</u> Contact Name: <u>Robin Hart</u> Address: <u>725Strathearne Avenue</u> <u>Hamilton, ON</u> E-mail: <u>robin.hart@raincarbon.com</u> Ph: <u>1-647-281-8094</u> Sampled by: <u>Robin Hart</u>				Company Name: <u>Rain Carbon Canada</u> Project Manager: <u>Robin Hart</u> Address: <u>725Strathearne Avenue</u> <u>Hamilton, ON</u> E-mail: <u>robin.hart@raincarbon.com</u> Ph: <u>1-647-281-8094</u>				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)	BTX/Aromatic/Aliphatic Hydrocarbon Fractions	BTX/IF1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	Other	CANISTERS NOT USED										
Field Sample ID				Canister Serial #	Flow Regulator Serial #	Collection Date																							
East Canister #1 VOC August 17, 2025				7826		17-Aug-25																					X		
North Canister VOC August 20, 2025				269		20-Aug-25																					X		
Old West Canister VOC August 17, 2025				14267		17-Aug-25																					X		
South Canister VOC August 17, 2025				137		17-Aug-25																					X		
New West Canister VOC August 17, 2025				23736		17-Aug-25																					X		
East Canister #2 VOC August 17, 2025				280		17-Aug-25																					X		
East Canister #3 VOC August 26, 2025				132		26-Aug-25																					X		
TAT Requirement STD 10 Business day ☒ Rush 5 Business day * ☐ Rush 2 Business day * ☐ Rush Other * ☐ * need approval from Bureau Veritas		PROJECT INFORMATION Project #: <u>Rain Carbon Canada Inc.</u> Name: <u>Robin Hart</u> PO #: <u>4500625271</u> Bureau Veritas Quote #: _____ Bureau Veritas Contact: <u>Cristina Bacchus</u> Task Order/Line Item _____		REPORTING REQUIREMENTS EDD ☐ Regulations ON 153 ☐ ON 419 ☐ BC CSR ☐ Other ☐		Notes 1) please indicate on chain of custody if your samples are soil vapour or ambient air 2) please list all canisters on the chain of custody even if unused PROJECT SPECIFIC COMMENTS																							
Client Signature: <u>Robin Hart Environmental Engineer</u> Date/Time: <u>27/Aug/25 7:00 PM</u>		Received by: <u><i>Cindy Vong</i></u> Date/Time: <u>2025/08/28 08:25</u>		PLEASE RETURN ALL UNUSED EQUIPMENT																									

27-Aug-25 16:55
 Julian Tong

 C5A6227
 CIV AIR-001

JOB #

CLIENT NAME: RAIN CARBON CANADA

Maxxam Analytics
CAM FCD-01053/2
Page 1 of 1

Internal Sample Receipt Form											
Sample Identification		Date Sampled	Time Sampled	Matrix	# of Bottles	Comments					
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
Received by (Signature & Print):		Date	Time	Cooler ID	Temperature	Custody seal Present		Custody Seal Intact		Ice Present	
						YES	NO	YES	NO	YES	NO
Kamalpreet Kaur KAMALPREET KAUR		2005/08/27	16:55				/		/		/



6740 Campobello Rd
Mississauga Ontario ,L5N 2L8
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Toll Free: 1-800-668-0639
Phone: (905) 817-5700
Fax: (905) 817-5777

CHAIN OF CUSTODY FORM - AIR

ANALYSIS REQUEST

CLIENT INFORMATION

Company Name: Rain Carbon Canada Inc.

Project Manager: Robin Hart

e-mail: robin.hart@raincarbon.com

Address: 725Strathearne Avenue
Hamilton, ON

SECTION

Phone: 1-647-281-8094

Fax:

Sampled by: Robin Hart

PAHs on PUF as per ERP 7013



NONT-2025-09-473

[illegible]

TAT Requirement

STD 10 Business day ☒
Rush 5 Business day * ☐
Rush 2 Business day * ☐
* need approval from Bureau
Veritas

PROJECT INFORMATION

Project #: _____
Name: Rain Carbon Canada Inc.
PO #: **4500625271**
BV Quote #: _____
BV Contact: Cristina Bacchus

[illegible]

Summary Report only	☒
EDD	☒

Regulation

Notes

Please note if these samples are "Industrial"
If submitting dustfall samples, please indicate
jar opening in cm.

PROJECT SPECIFIC COMMENTS

Client Signature:	Robin Hart
Affiliation:	Environmental Engineer
Date/Time:	3-Sep-25 6:00 PM

Received by: SA Suban SAWAN
Affiliation: _____
Date/Time: 2025/09/03 17:00 17/13/14

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 [conditions](#)

Bu 1160129

NE PAGE, 210 CS



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

PAH Sample Submission Sheet

Sample Date	29-Aug-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

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

[illegible]

03-Sep-25 17:00

Julian Tong

674
Mis
ww

C5A9016

CIV AIR-001

668-0639
117-5700
117-5777

Chain of Custody Form - Summa™ Canis

ANALY

INVOICE INFORMATION

Company Name:	Rain Carbon Canada Inc	Company Name:	Rain Carbon Canada
Contact Name:	Robin Hart	Project Manager:	Robin Hart
Address:	725 Strathearn Avenue Hamilton, ON	Address:	725 Strathearn Avenue Hamilton, ON
E-mail:	robin.hart@raincarbon.com	E-mail:	robin.hart@raincarbon.com
Ph:	1-647-281-8094	Ph:	1-647-281-8094
Sampled by:	Robin Hart		

Field Sample ID	Canister Serial #	Flow Regulator Serial #	Collection Date	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/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify
East Canister VOC August 29, 2025	14938		29-Aug-25										X
North Canister VOC August 29, 2025	14121		29-Aug-25										X
Old West Canister VOC August 29, 2025	145270		29-Aug-25										X
South Canister VOC August 29, 2025	2796		29-Aug-25										X
New West Canister VOC August 29, 2025	14907		29-Aug-25										X

TAT Requirement STD 10 Business day ☒ Rush 5 Business day * ☐ Rush 2 Business day * ☐ Rush Other * ☐ * need approval from Bureau Veritas	PROJECT INFORMATION Project #: Rain Carbon Canada Inc. Name: Robin Hart PO #: 4500625271 Bureau Veritas Quote #: Bureau Veritas Contact: Cristina Bacchus Task Order/Line Item	REPORTING REQUIREMENTS EDD ☐ Regulations ON 153 ☐ ON 419 ☐ BC CSR ☐ Other ☐	Notes 1) please indicate on chain of cust. soil vapour or ambient air 2) please list all canisters on the cl PROJECT SPECIFIC COMMENTS
Client Signature: Robin Hart Environmental Engineer		Received by: <i>SA Susan Sawar</i>	
Date/Time: 3/Sep/25 6:00 PM		Date/Time: 2025/09/03 17:00	

PLEASE RETURN ALL UNUS

pm



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

VOC Canister Sample Submission Sheet

Sample Date	29-Aug-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 dd/mm/yy	Installation Date dd/mm/yy	Installation Time EST	Initial Pressure inHg	Time On EST	Time Off EST	Elapsed Time Hours	Final Pressure inHg	Retrieval Date dd/mm/yy	Retrieval Time EST
STN29164	14905	29-Aug-25	26-Aug-25	15:15	-30.0	00:01	23:59	24.0	-10.0	02-Sep-25	11:40

Comment 1 :

Comment 2 :

APPENDIX D

Certificates of Analysis



Your P.O. #: 4500625271
Your Project #: 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: 2025/08/15
Report #: R8594968
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C596898

Received: 2025/08/07, 18:27

Sample Matrix: Air
Samples Received: 5

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Calculated Polyaromatic Hydrocarbons	1	2025/08/08	2025/08/15	BRL SOP-00201	
Calculated Polyaromatic Hydrocarbons	4	2025/08/08	2025/08/08	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/08/10	2025/08/13	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/08/08		

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, Acenaphthylene, Acenaphthene, 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
Your Project #: 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: 2025/08/15
Report #: R8594968
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C596898

Received: 2025/08/07, 18:27

Encryption Key

Julian Tong
Project Manager Assistant
18 Aug 2025 06:34:34

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.



BUREAU
VERITAS

Bureau Veritas Job #: C596898

Report Date: 2025/08/15

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		ATWL85	ATWL86	ATWL87	ATWL88	
Sampling Date		2025/08/05	2025/08/05	2025/08/05	2025/08/05	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH AUGUST 5, 2025 ATWL29-01	NORTH MONITOR PAH AUGUST 5, 2025 ATWL30-01	OLD WEST MONITOR PAH AUGUST 5, 2025 ATWL31-01	SOUTH MONITOR PAH AUGUST 5, 2025 ATWL32-01	QC Batch
Volume	m3	333.8	310.8	321.5	320.4	ONSITE
QC Batch = Quality Control Batch						

Bureau Veritas ID		ATWL89	
Sampling Date		2025/08/05	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH AUGUST 5, 2025 ATWL33-01	QC Batch
Volume	m3	318.7	ONSITE
QC Batch = Quality Control Batch			



**BUREAU
VERITAS**

Bureau Veritas Job #: C596898

Report Date: 2025/08/15

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

Sampler Initials: RH

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ATWL85	ATWL86		ATWL87		
Sampling Date		2025/08/05	2025/08/05		2025/08/05		
COC Number		N/A	N/A		N/A		
	UNITS	EAST MONITOR PAH AUGUST 5, 2025 ATWL29-01	NORTH MONITOR PAH AUGUST 5, 2025 ATWL30-01	QC Batch	OLD WEST MONITOR PAH AUGUST 5, 2025 ATWL31-01	RDL	QC Batch

Semivolatile Organics							
Benzo(a)pyrene	ug	<0.10	<0.10	9986299	0.24	0.10	9986299
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	78	80	9986299			
D10-Anthracene	%	86	86	9986299			
D10-Fluoranthene	%	106	106	9986299			
D10-Phenanthrene	%	104	104	9986299			
D12-Benzo(a)anthracene	%	82	84	9986299	88		9986299
D12-Benzo(a)pyrene	%	76	74	9986299	78		9986299
D12-Benzo(b)fluoranthene	%	110	108	9986299	96		9986299
D12-Benzo(ghi)perylene	%	104	102	9986299	100		9986299
D12-Benzo(k)fluoranthene	%	104	100	9986299	90		9986299
D12-Chrysene	%	96	100	9986299	102		9986299
D12-Indeno(1,2,3-cd)pyrene	%	102	100	9986299	100		9986299
D12-Perylene	%	96	96	9986299	98		9986299
D14-Dibenzo(a,h)anthracene	%	100	98	9986299	100		9986299
D8-Acenaphthylene	%	94	86	9986299			
D8-Naphthalene	%	74	76	9986299			
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C596898

Report Date: 2025/08/15

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

Sampler Initials: RH

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ATWL88	ATWL89		
Sampling Date		2025/08/05	2025/08/05		
COC Number		N/A	N/A		
	UNITS	SOUTH MONITOR PAH AUGUST 5, 2025 ATWL32-01	NEW WEST MONITOR PAH AUGUST 5, 2025 ATWL33-01	RDL	QC Batch
Semivolatile Organics					
Benzo(a)pyrene	ug	0.22	0.24	0.10	9986299
Surrogate Recovery (%)					
D10-2-Methylnaphthalene	%	80	80		9986299
D10-Anthracene	%	76	80		9986299
D10-Fluoranthene	%	92	94		9986299
D10-Phenanthrene	%	92	96		9986299
D12-Benzo(a)anthracene	%	84	84		9986299
D12-Benzo(a)pyrene	%	74	72		9986299
D12-Benzo(b)fluoranthene	%	104	106		9986299
D12-Benzo(ghi)perylene	%	98	100		9986299
D12-Benzo(k)fluoranthene	%	98	100		9986299
D12-Chrysene	%	98	98		9986299
D12-Indeno(1,2,3-cd)pyrene	%	102	104		9986299
D12-Perylene	%	92	94		9986299
D14-Dibenzo(a,h)anthracene	%	98	98		9986299
D8-Acenaphthylene	%	80	88		9986299
D8-Naphthalene	%	144	106		9986299
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



**BUREAU
VERITAS**

Bureau Veritas Job #: C596898

Report Date: 2025/08/15

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

Sampler Initials: RH

CALCULATED SEMIVOLATILE ORGANICS (AIR)

Bureau Veritas ID		ATWL85		ATWL86		ATWL87		
Sampling Date		2025/08/05		2025/08/05		2025/08/05		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH AUGUST 5, 2025 ATLW29-01	RDL	NORTH MONITOR PAH AUGUST 5, 2025 ATLW30-01	RDL	OLD WEST MONITOR PAH AUGUST 5, 2025 ATLW31-01	RDL	QC Batch

Calculated Parameters

Benzo(a)pyrene	ug/m3	<0.00030	0.00030	<0.00032	0.00032	0.00075	0.00031	9986029
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Bureau Veritas ID		ATWL88	ATWL89		
Sampling Date		2025/08/05	2025/08/05		
COC Number		N/A	N/A		
	UNITS	SOUTH MONITOR PAH AUGUST 5, 2025 ATLW32-01	NEW WEST MONITOR PAH AUGUST 5, 2025 ATLW33-01	RDL	QC Batch

Calculated Parameters

Benzo(a)pyrene	ug/m3	0.00069	0.00075	0.00031	9986029
----------------	-------	---------	---------	---------	---------

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



**BUREAU
VERITAS**

Bureau Veritas Job #: C596898

Report Date: 2025/08/15

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.



**BUREAU
VERITAS**

Bureau Veritas Job #: C596898

Report Date: 2025/08/15

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
9986299	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/08/13		68	%	50 - 150
			D10-Fluoranthene	2025/08/13		94	%	50 - 150
			D10-Phenanthrene	2025/08/13		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/13		76	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/13		96	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/13		96	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/13		96	%	50 - 150
			D12-Chrysene	2025/08/13		92	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/08/13		96	%	50 - 150
			D12-Perylene	2025/08/13		94	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/08/13		94	%	50 - 150
			D8-Acenaphthylene	2025/08/13		78	%	50 - 150
			D8-Naphthalene	2025/08/13		66	%	50 - 150
			Benzo(a)pyrene	2025/08/13		93	%	50 - 150
9986299	MPQ	RPD	Benzo(a)pyrene	2025/08/13	2.7		%	50
9986299	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/08/13		90	%	50 - 150
			D10-Fluoranthene	2025/08/13		98	%	50 - 150
			D10-Phenanthrene	2025/08/13		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/13		84	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/13		108	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/13		112	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/13		110	%	50 - 150
			D12-Chrysene	2025/08/13		98	%	50 - 150
			D12-Perylene	2025/08/13		108	%	50 - 150
			D8-Acenaphthylene	2025/08/13		94	%	50 - 150
			D8-Naphthalene	2025/08/13		92	%	50 - 150
			Benzo(a)pyrene	2025/08/13	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C596898

Report Date: 2025/08/15

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:

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

Cristina (Maria) Bacchus, Project Manager

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



Your P.O. #: 32669
Site Location: RAIN CARBON CANADA INC
Your C.O.C. #: na

Attention: Ruetgers list

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

Report Date: 2025/08/25

Report #: R8600411

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C598488

Received: 2025/08/13, 10:25

Sample Matrix: Air
Samples Received: 1

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Canister Pressure (TO-15)	1	N/A	2025/08/16	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/08/16	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 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: 2025/08/25
Report #: R8600411
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C598488

Received: 2025/08/13, 10:25

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

25 Aug 2025 15:58:57

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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BUREAU
VERITAS

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ATZN30	
Sampling Date		2025/08/07	
COC Number		na	
	UNITS	STN29164 05-AUG-25	QC Batch
Pressure on Receipt	psig	(-4.5)	9991382
QC Batch = Quality Control Batch			



BUREAU
VERITAS

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATZN30				
Sampling Date		2025/08/07				
COC Number		na				
	UNITS	STN29164 05-AUG-25	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.25	0.10	0.783	0.319	9990386
Surrogate Recovery (%)						
Bromochloromethane	%	79		N/A	N/A	9990386
D5-Chlorobenzene	%	80		N/A	N/A	9990386
Difluorobenzene	%	78		N/A	N/A	9990386
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



**BUREAU
VERITAS**

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

GENERAL COMMENTS

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9990386	LSY	Spiked Blank	Bromochloromethane	2025/08/15		99	%	60 - 140
			D5-Chlorobenzene	2025/08/15		94	%	60 - 140
			Difluorobenzene	2025/08/15		101	%	60 - 140
			Benzene	2025/08/15		95	%	70 - 130
9990386	LSY	Method Blank	Bromochloromethane	2025/08/15		88	%	60 - 140
			D5-Chlorobenzene	2025/08/15		81	%	60 - 140
			Difluorobenzene	2025/08/15		88	%	60 - 140
			Benzene	2025/08/15	<0.10		ppbv	
9990386	LSY	RPD	Benzene	2025/08/15	5.6		%	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.



BUREAU
VERITAS

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

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

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



Your P.O. #: 4500625271
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: 2025/08/20

Report #: R8597297

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C596646

Received: 2025/08/07, 18:27

Sample Matrix: Air
Samples Received: 5

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Canister Pressure (TO-15)	5	N/A	2025/08/14	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/08/14	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 P.O. #: 4500625271
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: 2025/08/20
Report #: R8597297
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C596646

Received: 2025/08/07, 18:27

Encryption Key

Cristina Bacchus

Cristina (Maria) Bacchus
Project Manager
20 Aug 2025 16:38:59

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant
Email: Julian.Tong@bureauveritas.com
Phone# (905) 817-5700

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C596646

Report Date: 2025/08/20

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		ATVZ70	ATVZ71	ATVZ72	ATVZ73	
Sampling Date		2025/08/05	2025/08/05	2025/08/05	2025/08/05	
COC Number		NA	NA	NA	NA	
	UNITS	NORTH CANISTER VOC AUGUST 5, 2025	OLD WEST CANISTER VOC AUGUST 5, 2025	SOUTH CANISTER VOC AUGUST 5, 2025	NEW WEST CANISTER VOC AUGUST 5, 2025	QC Batch

Volatile Organics						
Pressure on Receipt	psig	(-4.5)	(-5.0)	(-5.4)	(-4.3)	9990226
QC Batch = Quality Control Batch						

Bureau Veritas ID		ATVZ74	
Sampling Date		2025/08/05	
COC Number		NA	
	UNITS	EAST CANISTER #2 VOC AUGUST 5, 2025	QC Batch
Volatile Organics			
Pressure on Receipt	psig	(-4.1)	9990226
QC Batch = Quality Control Batch			



**BUREAU
VERITAS**

Bureau Veritas Job #: C596646

Report Date: 2025/08/20

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		ATVZ70			ATVZ71				
Sampling Date		2025/08/05			2025/08/05				
COC Number		NA			NA				
	UNITS	NORTH CANISTER VOC AUGUST 5, 2025	ug/m3	DL (ug/m3)	OLD WEST CANISTER VOC AUGUST 5, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch

Volatile Organics									
Benzene	ppbv	0.44	1.40	0.319	2.81	0.10	8.99	0.319	9989361
Surrogate Recovery (%)									
Bromochloromethane	%	92	N/A	N/A	88		N/A	N/A	9989361
D5-Chlorobenzene	%	85	N/A	N/A	80		N/A	N/A	9989361
Difluorobenzene	%	82	N/A	N/A	75		N/A	N/A	9989361
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
N/A = Not Applicable									

Bureau Veritas ID		ATVZ72			ATVZ73				
Sampling Date		2025/08/05			2025/08/05				
COC Number		NA			NA				
	UNITS	SOUTH CANISTER VOC AUGUST 5, 2025	ug/m3	DL (ug/m3)	NEW WEST CANISTER VOC AUGUST 5, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch

Volatile Organics									
Benzene	ppbv	14.1	45.1	0.319	1.02	0.10	3.25	0.319	9989361
Surrogate Recovery (%)									
Bromochloromethane	%	80	N/A	N/A	78		N/A	N/A	9989361
D5-Chlorobenzene	%	75	N/A	N/A	74		N/A	N/A	9989361
Difluorobenzene	%	70	N/A	N/A	65		N/A	N/A	9989361
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
N/A = Not Applicable									



VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATVZ74				
Sampling Date		2025/08/05				
COC Number		NA				
	UNITS	EAST CANISTER #2 VOC AUGUST 5, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	1.62	0.10	5.16	0.319	9989361
Surrogate Recovery (%)						
Bromochloromethane	%	82		N/A	N/A	9989361
D5-Chlorobenzene	%	72		N/A	N/A	9989361
Difluorobenzene	%	66		N/A	N/A	9989361
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



**BUREAU
VERITAS**

Bureau Veritas Job #: C596646

Report Date: 2025/08/20

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.



BUREAU
VERITAS

Bureau Veritas Job #: C596646
Report Date: 2025/08/20

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
9989361	DVP	Spiked Blank		Bromochloromethane	2025/08/14		109	%	60 - 140
				D5-Chlorobenzene	2025/08/14		111	%	60 - 140
				Difluorobenzene	2025/08/14		110	%	60 - 140
				Benzene	2025/08/14		102	%	70 - 130
9989361	DVP	Method Blank		Bromochloromethane	2025/08/14		98	%	60 - 140
				D5-Chlorobenzene	2025/08/14		92	%	60 - 140
				Difluorobenzene	2025/08/14		96	%	60 - 140
				Benzene	2025/08/14	<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.									



BUREAU
VERITAS

Bureau Veritas Job #: C596646

Report Date: 2025/08/20

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:

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: 2025/08/25

Report #: R8600411

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C598488

Received: 2025/08/13, 10:25

Sample Matrix: Air
Samples Received: 1

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Canister Pressure (TO-15)	1	N/A	2025/08/16	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/08/16	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 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: 2025/08/25
Report #: R8600411
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C598488

Received: 2025/08/13, 10:25

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

25 Aug 2025 15:58:57

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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**BUREAU
VERITAS**

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ATZN30	
Sampling Date		2025/08/07	
COC Number		na	
	UNITS	STN29164 05-AUG-25	QC Batch
Pressure on Receipt	psig	(-4.5)	9991382
QC Batch = Quality Control Batch			



BUREAU
VERITAS

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATZN30				
Sampling Date		2025/08/07				
COC Number		na				
	UNITS	STN29164 05-AUG-25	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.25	0.10	0.783	0.319	9990386
Surrogate Recovery (%)						
Bromochloromethane	%	79		N/A	N/A	9990386
D5-Chlorobenzene	%	80		N/A	N/A	9990386
Difluorobenzene	%	78		N/A	N/A	9990386
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



**BUREAU
VERITAS**

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

GENERAL COMMENTS

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9990386	LSY	Spiked Blank	Bromochloromethane	2025/08/15		99	%	60 - 140
			D5-Chlorobenzene	2025/08/15		94	%	60 - 140
			Difluorobenzene	2025/08/15		101	%	60 - 140
			Benzene	2025/08/15		95	%	70 - 130
9990386	LSY	Method Blank	Bromochloromethane	2025/08/15		88	%	60 - 140
			D5-Chlorobenzene	2025/08/15		81	%	60 - 140
			Difluorobenzene	2025/08/15		88	%	60 - 140
			Benzene	2025/08/15	<0.10		ppbv	
9990386	LSY	RPD	Benzene	2025/08/15	5.6		%	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.



BUREAU
VERITAS

Bureau Veritas Job #: C598488

Report Date: 2025/08/25

Rotek Environmental Inc.

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

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



Your P.O. #: 4500625271
Your Project #: 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: 2025/08/29

Report #: R8603815

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A2614

Received: 2025/08/20, 16:35

Sample Matrix: Air
Samples Received: 5

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Calculated Polyaromatic Hydrocarbons	4	2025/08/21	2025/08/21	BRL SOP-00201	
Calculated Polyaromatic Hydrocarbons	1	2025/08/21	2025/08/28	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/08/21	2025/08/27	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/08/21		

Remarks:

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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, Acenaphthylene, Acenaphthene, 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
Your Project #: RAIN CARBON CANADA INC
Your C.O.C. #: N/A

Attention: Robin Hart

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

Report Date: 2025/08/29
Report #: R8603815
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A2614

Received: 2025/08/20, 16:35

Encryption Key

Julian Tong
Project Manager Assistant
29 Aug 2025 16:27:07

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant
Email: Julian.Tong@bureauveritas.com
Phone# (905) 817-5700

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C5A2614

Report Date: 2025/08/29

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		AUHL34	AUHL35	AUHL36	AUHL37	
Sampling Date		2025/08/17	2025/08/17	2025/08/17	2025/08/17	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH AUGUST 17, 2025 ATW56-01	NORTH MONITOR PAH AUGUST 17, 2025 ATW57-01	OLD WEST MONITOR PAH AUGUST 17, 2025 ATW58-01	SOUTH MONITOR PAH AUGUST 17, 2025 ATW59-01	QC Batch
Volume	m3	328.2	301.9	313.7	321.9	ONSITE
QC Batch = Quality Control Batch						

Bureau Veritas ID		AUHL38	
Sampling Date		2025/08/17	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH AUGUST 17, 2025 ATW60-01	QC Batch
Volume	m3	319.5	ONSITE
QC Batch = Quality Control Batch			



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A2614

Report Date: 2025/08/29

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

Sampler Initials: RH

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		AUHL34		AUHL35		AUHL36		
Sampling Date		2025/08/17		2025/08/17		2025/08/17		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH AUGUST 17, 2025 ATW56-01	QC Batch	NORTH MONITOR PAH AUGUST 17, 2025 ATW57-01	QC Batch	OLD WEST MONITOR PAH AUGUST 17, 2025 ATW58-01	RDL	QC Batch

Semivolatile Organics								
Benzo(a)pyrene	ug	0.10	9994318	<0.10	9994318	0.24	0.10	9994318
Surrogate Recovery (%)								
D10-2-Methylnaphthalene	%	88	9994318	94	9994318			
D10-Anthracene	%	80	9994318	82	9994318			
D10-Fluoranthene	%	92	9994318	94	9994318			
D10-Fluorene (FS)	%			58	9994318			
D10-Phenanthrene	%	94	9994318	96	9994318			
D12-Benzo(a)anthracene	%	78	9994318	84	9994318	78		9994318
D12-Benzo(a)pyrene	%	78	9994318	82	9994318	78		9994318
D12-Benzo(b)fluoranthene	%	92	9994318	100	9994318	92		9994318
D12-Benzo(ghi)perylene	%	98	9994318	106	9994318	102		9994318
D12-Benzo(k)fluoranthene	%	102	9994318	108	9994318	102		9994318
D12-Chrysene	%	98	9994318	104	9994318	98		9994318
D12-Indeno(1,2,3-cd)pyrene	%	92	9994318	100	9994318	96		9994318
D12-Perylene	%	96	9994318	102	9994318	96		9994318
D14-Dibenzo(a,h)anthracene	%	90	9994318	96	9994318	96		9994318
D14-Terphenyl (FS)	%			86	9994318			
D8-Acenaphthylene	%	94	9994318	94	9994318			
D8-Naphthalene	%	74	9994318	80	9994318			
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



BUREAU
VERITAS

Bureau Veritas Job #: C5A2614

Report Date: 2025/08/29

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

Sampler Initials: RH

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		AUHL37		AUHL38		
Sampling Date		2025/08/17		2025/08/17		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH AUGUST 17, 2025 ATW59-01	QC Batch	NEW WEST MONITOR PAH AUGUST 17, 2025 ATW60-01	RDL	QC Batch
Semivolatile Organics						
Benzo(a)pyrene	ug	0.22	9994318	0.10	0.10	9994318
Surrogate Recovery (%)						
D10-2-Methylnaphthalene	%			88		9994318
D10-Anthracene	%			78		9994318
D10-Fluoranthene	%			92		9994318
D10-Phenanthrene	%			90		9994318
D12-Benzo(a)anthracene	%	86	9994318	84		9994318
D12-Benzo(a)pyrene	%	86	9994318	82		9994318
D12-Benzo(b)fluoranthene	%	102	9994318	98		9994318
D12-Benzo(ghi)perylene	%	110	9994318	104		9994318
D12-Benzo(k)fluoranthene	%	110	9994318	104		9994318
D12-Chrysene	%	106	9994318	104		9994318
D12-Indeno(1,2,3-cd)pyrene	%	104	9994318	98		9994318
D12-Perylene	%	106	9994318	102		9994318
D14-Dibenzo(a,h)anthracene	%	102	9994318	94		9994318
D8-Acenaphthylene	%			92		9994318
D8-Naphthalene	%			76		9994318
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A2614

Report Date: 2025/08/29

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

Sampler Initials: RH

CALCULATED SEMIVOLATILE ORGANICS (AIR)

Bureau Veritas ID		AUHL34		AUHL35		AUHL36		
Sampling Date		2025/08/17		2025/08/17		2025/08/17		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH AUGUST 17, 2025 ATW56-01	RDL	NORTH MONITOR PAH AUGUST 17, 2025 ATW57-01	RDL	OLD WEST MONITOR PAH AUGUST 17, 2025 ATW58-01	RDL	QC Batch

Calculated Parameters

Benzo(a)pyrene	ug/m3	0.00030	0.00030	<0.00033	0.00033	0.00077	0.00032	9994234
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Bureau Veritas ID		AUHL37	AUHL38		
Sampling Date		2025/08/17	2025/08/17		
COC Number		N/A	N/A		
	UNITS	SOUTH MONITOR PAH AUGUST 17, 2025 ATW59-01	NEW WEST MONITOR PAH AUGUST 17, 2025 ATW60-01	RDL	QC Batch

Calculated Parameters

Benzo(a)pyrene	ug/m3	0.00068	0.00031	0.00031	9994234
----------------	-------	---------	---------	---------	---------

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C5A2614

Report Date: 2025/08/29

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.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9994318	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/08/27		74	%	50 - 150
			D10-Fluoranthene	2025/08/27		92	%	50 - 150
			D10-Phenanthrene	2025/08/27		84	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/27		80	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/27		94	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/27		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/27		104	%	50 - 150
			D12-Chrysene	2025/08/27		98	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/08/27		94	%	50 - 150
			D12-Perylene	2025/08/27		98	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/08/27		90	%	50 - 150
			D8-Acenaphthylene	2025/08/27		82	%	50 - 150
			D8-Naphthalene	2025/08/27		76	%	50 - 150
			Benzo(a)pyrene	2025/08/27		103	%	50 - 150
9994318	MPQ	RPD	Benzo(a)pyrene	2025/08/27	9.3		%	50
9994318	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/08/27		90	%	50 - 150
			D10-Fluoranthene	2025/08/27		98	%	50 - 150
			D10-Phenanthrene	2025/08/27		92	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/27		82	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/27		96	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/27		104	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/27		106	%	50 - 150
			D12-Chrysene	2025/08/27		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/08/27		98	%	50 - 150
			D12-Perylene	2025/08/27		102	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/08/27		92	%	50 - 150
			D8-Acenaphthylene	2025/08/27		98	%	50 - 150
			D8-Naphthalene	2025/08/27		92	%	50 - 150
			Benzo(a)pyrene	2025/08/27	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A2614

Report Date: 2025/08/29

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:

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

Cristina (Maria) Bacchus, Project Manager

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Your P.O. #: 32669
Your Project #: 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: 2025/08/29

Report #: R8603817

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A2951

Received: 2025/08/21, 09:55

Sample Matrix: Puf And Filter
Samples Received: 1

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Calculated Polyaromatic Hydrocarbons	1	2025/08/21	2025/08/21	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/08/21	2025/08/27	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/08/21		

Remarks:

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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, Acenaphthylene, Acenaphthene, 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. #: 32669
Your Project #: 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: 2025/08/29
Report #: R8603817
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A2951

Received: 2025/08/21, 09:55

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

29 Aug 2025 16:13:54

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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**BUREAU
VERITAS**

Bureau Veritas Job #: C5A2951
Report Date: 2025/08/29

Rotek Environmental Inc.
Client Project #: RAIN CARBON CANADA INC
Your P.O. #: 32669

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		AUIA89	
Sampling Date		2025/08/17	
COC Number		N/A	
	UNITS	STN29164 17-AUG-25 PUF#1	QC Batch
Volume	m3	310.1	ONSITE
QC Batch = Quality Control Batch			



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A2951

Report Date: 2025/08/29

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

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

Bureau Veritas ID		AUIA89		
Sampling Date		2025/08/17		
COC Number		N/A		
	UNITS	STN29164 17-AUG-25 PUF#1	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9994318
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	74		9994318
D10-Anthracene	%	80		9994318
D10-Fluoranthene	%	96		9994318
D10-Phenanthrene	%	92		9994318
D12-Benzo(a)anthracene	%	82		9994318
D12-Benzo(a)pyrene	%	76		9994318
D12-Benzo(b)fluoranthene	%	94		9994318
D12-Benzo(ghi)perylene	%	100		9994318
D12-Benzo(k)fluoranthene	%	104		9994318
D12-Chrysene	%	102		9994318
D12-Indeno(1,2,3-cd)pyrene	%	94		9994318
D12-Perylene	%	94		9994318
D14-Dibenzo(a,h)anthracene	%	90		9994318
D8-Acenaphthylene	%	78		9994318
D8-Naphthalene	%	70		9994318
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C5A2951

Report Date: 2025/08/29

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		AUIA89		
Sampling Date		2025/08/17		
COC Number		N/A		
	UNITS	STN29164 17-AUG-25 PUF#1	RDL	QC Batch
Calculated Parameters				
Benzo(a)pyrene	ng/m3	<0.32	0.32	9994234
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A2951

Report Date: 2025/08/29

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

GENERAL COMMENTS

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9994318	MPQ	Spiked Blank		D10-2-Methylnaphthalene	2025/08/27		74	%	50 - 150
				D10-Fluoranthene	2025/08/27		92	%	50 - 150
				D10-Phenanthrene	2025/08/27		84	%	50 - 150
				D12-Benzo(a)pyrene	2025/08/27		80	%	50 - 150
				D12-Benzo(b)fluoranthene	2025/08/27		94	%	50 - 150
				D12-Benzo(ghi)perylene	2025/08/27		98	%	50 - 150
				D12-Benzo(k)fluoranthene	2025/08/27		104	%	50 - 150
				D12-Chrysene	2025/08/27		98	%	50 - 150
				D12-Indeno(1,2,3-cd)pyrene	2025/08/27		94	%	50 - 150
				D12-Perylene	2025/08/27		98	%	50 - 150
				D14-Dibenzo(a,h)anthracene	2025/08/27		90	%	50 - 150
				D8-Acenaphthylene	2025/08/27		82	%	50 - 150
				D8-Naphthalene	2025/08/27		76	%	50 - 150
				Benzo(a)pyrene	2025/08/27		103	%	50 - 150
9994318	MPQ	RPD		Benzo(a)pyrene	2025/08/27	9.3		%	50
9994318	MPQ	Method Blank		D10-2-Methylnaphthalene	2025/08/27		90	%	50 - 150
				D10-Fluoranthene	2025/08/27		98	%	50 - 150
				D10-Phenanthrene	2025/08/27		92	%	50 - 150
				D12-Benzo(a)pyrene	2025/08/27		82	%	50 - 150
				D12-Benzo(b)fluoranthene	2025/08/27		96	%	50 - 150
				D12-Benzo(ghi)perylene	2025/08/27		104	%	50 - 150
				D12-Benzo(k)fluoranthene	2025/08/27		106	%	50 - 150
				D12-Chrysene	2025/08/27		100	%	50 - 150
				D12-Indeno(1,2,3-cd)pyrene	2025/08/27		98	%	50 - 150
				D12-Perylene	2025/08/27		102	%	50 - 150
				D14-Dibenzo(a,h)anthracene	2025/08/27		92	%	50 - 150
				D8-Acenaphthylene	2025/08/27		98	%	50 - 150
				D8-Naphthalene	2025/08/27		92	%	50 - 150
				Benzo(a)pyrene	2025/08/27	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A2951

Report Date: 2025/08/29

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

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

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



Your P.O. #: 4500625271
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: 2025/09/03

Report #: R8605454

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A2320

Received: 2025/08/20, 08:25

Sample Matrix: Air
Samples Received: 4

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Canister Pressure (TO-15)	4	N/A	2025/08/28	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	4	N/A	2025/08/28	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 P.O. #: 4500625271
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: 2025/09/03

Report #: R8605454

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A2320

Received: 2025/08/20, 08:25

Encryption Key

Julian Tong
Project Manager Assistant
03 Sep 2025 17:29:53

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant

Email: Julian.Tong@bureauveritas.com

Phone# (905) 817-5700

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C5A2320

Report Date: 2025/09/03

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		AUGX10	AUGX11	AUGX13	AUGX14	
Sampling Date		2025/08/17	2025/08/17	2025/08/17	2025/08/17	
COC Number		na	na	na	na	
	UNITS	EAST CANISTER #1 VOC AUGUST 17, 2025	OLD WEST CANISTER VOC AUGUST 17, 2025	SOUTH CANISTER VOC AUGUST 17, 2025	NEW WEST CANISTER VOC AUGUST 17, 2025	QC Batch
Volatile Organics						
Pressure on Receipt	psig	(-6.8)	(-5.0)	(-6.1)	(-4.0)	9999551
QC Batch = Quality Control Batch						



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A2320

Report Date: 2025/09/03

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		AUGX10				AUGX11				
Sampling Date		2025/08/17				2025/08/17				
COC Number		na				na				
	UNITS	EAST CANISTER #1 VOC AUGUST 17, 2025	RDL	ug/m3	DL (ug/m3)	OLD WEST CANISTER VOC AUGUST 17, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch

Volatile Organics										
Benzene	ppbv	12.8	0.19	40.8	0.607	1.37	0.10	4.39	0.319	9999223
Surrogate Recovery (%)										
Bromochloromethane	%	82		N/A	N/A	78		N/A	N/A	9999223
D5-Chlorobenzene	%	77		N/A	N/A	66		N/A	N/A	9999223
Difluorobenzene	%	79		N/A	N/A	71		N/A	N/A	9999223
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										
N/A = Not Applicable										

Bureau Veritas ID		AUGX13				AUGX14				
Sampling Date		2025/08/17				2025/08/17				
COC Number		na				na				
	UNITS	SOUTH CANISTER VOC AUGUST 17, 2025	RDL	ug/m3	DL (ug/m3)	NEW WEST CANISTER VOC AUGUST 17, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch

Volatile Organics										
Benzene	ppbv	4.94	0.18	15.8	0.575	0.79	0.10	2.53	0.319	9999223
Surrogate Recovery (%)										
Bromochloromethane	%	82		N/A	N/A	81		N/A	N/A	9999223
D5-Chlorobenzene	%	77		N/A	N/A	73		N/A	N/A	9999223
Difluorobenzene	%	79		N/A	N/A	75		N/A	N/A	9999223
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										
N/A = Not Applicable										



BUREAU
VERITAS

Bureau Veritas Job #: C5A2320

Report Date: 2025/09/03

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 4500625271

Sampler Initials: RH

GENERAL COMMENTS

Sample AUGX10 [EAST CANISTER #1 VOC AUGUST 17, 2025] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.

Sample AUGX13 [SOUTH CANISTER VOC AUGUST 17, 2025] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9999223	DVP	Spiked Blank	Bromochloromethane	2025/08/28		98	%	60 - 140
			D5-Chlorobenzene	2025/08/28		98	%	60 - 140
			Difluorobenzene	2025/08/28		99	%	60 - 140
			Benzene	2025/08/28		92	%	70 - 130
9999223	DVP	Method Blank	Bromochloromethane	2025/08/28		98	%	60 - 140
			D5-Chlorobenzene	2025/08/28		92	%	60 - 140
			Difluorobenzene	2025/08/28		96	%	60 - 140
			Benzene	2025/08/28	<0.10		ppbv	
9999223	DVP	RPD	Benzene	2025/08/28	NC		%	25

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

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

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

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

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



BUREAU
VERITAS

Bureau Veritas Job #: C5A2320

Report Date: 2025/09/03

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

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Your P.O. #: 32669
Your Project #: 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: 2025/09/05
Report #: R8606962
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A3108

Received: 2025/08/21, 09:55

Sample Matrix: Air
Samples Received: 1

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Canister Pressure (TO-15)	1	N/A	2025/09/02	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/09/02	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 P.O. #: 32669
Your Project #: 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: 2025/09/05
Report #: R8606962
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A3108

Received: 2025/08/21, 09:55

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

05 Sep 2025 13:26:48

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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BUREAU
VERITAS

Bureau Veritas Job #: C5A3108

Report Date: 2025/09/05

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		AUII40	
Sampling Date			
COC Number		NA	
	UNITS	STN29164 17-AUG-25	QC Batch
Volatile Organics			
Pressure on Receipt	psig	(-3.8)	A002661
QC Batch = Quality Control Batch			



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A3108

Report Date: 2025/09/05

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AUII40			AUII40				
Sampling Date									
COC Number		NA			NA				
	UNITS	STN29164 17-AUG-25	ug/m3	DL (ug/m3)	STN29164 17-AUG-25 Lab-Dup	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	0.16	0.513	0.319	0.16	0.10	0.499	0.319	A001433
Surrogate Recovery (%)									
Bromochloromethane	%	85	N/A	N/A	91		N/A	N/A	A001433
D5-Chlorobenzene	%	92	N/A	N/A	92		N/A	N/A	A001433
Difluorobenzene	%	86	N/A	N/A	91		N/A	N/A	A001433
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable									



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A3108

Report Date: 2025/09/05

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

GENERAL COMMENTS

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A001433	TIM	Spiked Blank	Bromochloromethane	2025/09/02		97	%	60 - 140
			D5-Chlorobenzene	2025/09/02		101	%	60 - 140
			Difluorobenzene	2025/09/02		100	%	60 - 140
			Benzene	2025/09/02		96	%	70 - 130
A001433	TIM	Method Blank	Bromochloromethane	2025/09/02		91	%	60 - 140
			D5-Chlorobenzene	2025/09/02		86	%	60 - 140
			Difluorobenzene	2025/09/02		92	%	60 - 140
			Benzene	2025/09/02	<0.10		ppbv	
A001433	TIM	RPD [AU140-01]	Benzene	2025/09/02	2.7		%	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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A3108

Report Date: 2025/09/05

Rotek Environmental Inc.

Client Project #: 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

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



Your P.O. #: 4500625271
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: 2025/09/05

Report #: R8606959

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A3460

Received: 2025/08/21, 16:45

Sample Matrix: Air
Samples Received: 1

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Extracted		
Canister Pressure (TO-15)	1	N/A	2025/09/02 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/09/02 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 P.O. #: 4500625271
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: 2025/09/05
Report #: R8606959
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A3460

Received: 2025/08/21, 16:45

Encryption Key

Julian Tong
Project Manager Assistant
05 Sep 2025 13:35:07

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant
Email: Julian.Tong@bureauveritas.com
Phone# (905) 817-5700

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C5A3460

Report Date: 2025/09/05

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		AUIZ27	
Sampling Date		2025/08/20	
COC Number		na	
	UNITS	NORTH CANISTER VOC AUGUST 20, 2025	QC Batch
Volatile Organics			
Pressure on Receipt	psig	(-4.5)	A002661
QC Batch = Quality Control Batch			



VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AUIZ27				
Sampling Date		2025/08/20				
COC Number		na				
	UNITS	NORTH CANISTER VOC AUGUST 20, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	0.13	0.10	0.428	0.319	A001433
Surrogate Recovery (%)						
Bromochloromethane	%	81		N/A	N/A	A001433
D5-Chlorobenzene	%	84		N/A	N/A	A001433
Difluorobenzene	%	80		N/A	N/A	A001433
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A3460

Report Date: 2025/09/05

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.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A001433	TIM	Spiked Blank	Bromochloromethane	2025/09/02		97	%	60 - 140
			D5-Chlorobenzene	2025/09/02		101	%	60 - 140
			Difluorobenzene	2025/09/02		100	%	60 - 140
			Benzene	2025/09/02		96	%	70 - 130
A001433	TIM	Method Blank	Bromochloromethane	2025/09/02		91	%	60 - 140
			D5-Chlorobenzene	2025/09/02		86	%	60 - 140
			Difluorobenzene	2025/09/02		92	%	60 - 140
			Benzene	2025/09/02	<0.10		ppbv	
A001433	TIM	RPD	Benzene	2025/09/02	2.7		%	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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A3460

Report Date: 2025/09/05

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:

Melanie Mabini, Team Leader

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



Your P.O. #: 4500625271
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: 2025/09/11

Report #: R8610457

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A6227

Received: 2025/08/27, 16:55

Sample Matrix: Air
Samples Received: 1

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Extracted		
Canister Pressure (TO-15)	1	N/A	2025/09/09 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/09/09 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
Your Project #: RAIN CARBON CANADA INC
Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/09/11
Report #: R8610457
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A6227

Received: 2025/08/27, 16:55

Encryption Key

Julian Tong
Project Manager Assistant
11 Sep 2025 14:34:03

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant
Email: Julian.Tong@bureauveritas.com
Phone# (905) 817-5700

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C5A6227

Report Date: 2025/09/11

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		AUOF62	
Sampling Date		2025/08/26	
COC Number		na	
	UNITS	EAST CANISTER #3 VOC AUGUST 26, 2025	QC Batch
Volatile Organics			
Pressure on Receipt	psig	(-3.8)	A006923
QC Batch = Quality Control Batch			



VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AUOF62				
Sampling Date		2025/08/26				
COC Number		na				
	UNITS	EAST CANISTER #3 VOC AUGUST 26, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	15.3	0.10	48.8	0.319	A006180
Surrogate Recovery (%)						
Bromochloromethane	%	82		N/A	N/A	A006180
D5-Chlorobenzene	%	83		N/A	N/A	A006180
Difluorobenzene	%	76		N/A	N/A	A006180
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



BUREAU
VERITAS

Bureau Veritas Job #: C5A6227

Report Date: 2025/09/11

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.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A006180	DVP	Spiked Blank	Bromochloromethane	2025/09/09		98	%	60 - 140
			D5-Chlorobenzene	2025/09/09		98	%	60 - 140
			Difluorobenzene	2025/09/09		98	%	60 - 140
			Benzene	2025/09/09		93	%	70 - 130
A006180	DVP	Method Blank	Bromochloromethane	2025/09/09		96	%	60 - 140
			D5-Chlorobenzene	2025/09/09		93	%	60 - 140
			Difluorobenzene	2025/09/09		95	%	60 - 140
			Benzene	2025/09/09	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A6227

Report Date: 2025/09/11

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:

Melanie Mabini, Team Leader

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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: 2025/09/16

Report #: R8613499

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A9699

Received: 2025/09/03, 17:00

Sample Matrix: Puf And Filter
Samples Received: 5

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Calculated Polyaromatic Hydrocarbons	5	2025/09/05	2025/09/09	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/09/05	2025/09/11	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/09/09		

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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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, Acenaphthylene, Acenaphthene, 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: 2025/09/16
Report #: R8613499
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A9699

Received: 2025/09/03, 17:00

Encryption Key

Julian Tong
Project Manager Assistant
16 Sep 2025 17:00:35

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant
Email: Julian.Tong@bureauveritas.com
Phone# (905) 817-5700

=====

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**BUREAU
VERITAS**

Bureau Veritas Job #: C5A9699

Report Date: 2025/09/16

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271

Sampler Initials: RH

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		AUUK75	AUUK76	AUUK77	AUUK78	
Sampling Date		2025/08/29	2025/08/29	2025/08/29	2025/08/29	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH AUGUST 29, 2025 ATLY18-01	NORTH MONITOR PAH AUGUST 29, 2025 ATLY19-01	OLD WEST MONITOR PAH AUGUST 29, 2025 ATLY20-01	SOUTH MONITOR PAH AUGUST 29, 2025 ATLY21-01	QC Batch
Volume	m3	332.1	311.8	316.7	321.9	ONSITE
QC Batch = Quality Control Batch						

Bureau Veritas ID		AUUK79	
Sampling Date		2025/08/29	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH AUGUST 29, 2025 ATLY22-01	QC Batch
Volume	m3	314.2	ONSITE
QC Batch = Quality Control Batch			



BUREAU
VERITAS

Bureau Veritas Job #: C5A9699

Report Date: 2025/09/16

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		AUUK75		AUUK76	AUUK77		
Sampling Date		2025/08/29		2025/08/29	2025/08/29		
COC Number		N/A		N/A	N/A		
	UNITS	EAST MONITOR PAH AUGUST 29, 2025 ATLY18-01	QC Batch	NORTH MONITOR PAH AUGUST 29, 2025 ATLY19-01	OLD WEST MONITOR PAH AUGUST 29, 2025 ATLY20-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.72	A004646	0.94	0.38	0.10	A004646
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	120	A004646	86	78		A004646
D10-Anthracene	%	110	A004646	84	68		A004646
D10-Fluoranthene	%	134	A004646	100	92		A004646
D10-Phenanthrene	%	130	A004646	100	82		A004646
D12-Benzo(a)anthracene	%	90	A004646	88	76		A004646
D12-Benzo(a)pyrene	%	82	A004646	76	66		A004646
D12-Benzo(b)fluoranthene	%	102	A004646	100	86		A004646
D12-Benzo(ghi)perylene	%	106	A004646	102	86		A004646
D12-Benzo(k)fluoranthene	%	102	A004646	100	84		A004646
D12-Chrysene	%	104	A004646	100	88		A004646
D12-Indeno(1,2,3-cd)pyrene	%	104	A004646	102	86		A004646
D12-Perylene	%	102	A004646	96	84		A004646
D14-Dibenzo(a,h)anthracene	%	110	A004646	108	88		A004646
D8-Acenaphthylene	%	118	A004646	86	78		A004646
D8-Naphthalene	%			82	82		A004646
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C5A9699

Report Date: 2025/09/16

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		AUUK78		AUUK79		
Sampling Date		2025/08/29		2025/08/29		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH AUGUST 29, 2025 ATLY21-01	QC Batch	NEW WEST MONITOR PAH AUGUST 29, 2025 ATLY22-01	RDL	QC Batch
Semivolatile Organics						
Benzo(a)pyrene	ug	0.42	A004646	0.48	0.10	A004646
Surrogate Recovery (%)						
D10-2-Methylnaphthalene	%	114	A004646	90		A004646
D10-Anthracene	%	102	A004646	82		A004646
D10-Fluoranthene	%	128	A004646	100		A004646
D10-Phenanthrene	%	120	A004646	98		A004646
D12-Benzo(a)anthracene	%	88	A004646	84		A004646
D12-Benzo(a)pyrene	%	80	A004646	74		A004646
D12-Benzo(b)fluoranthene	%	104	A004646	98		A004646
D12-Benzo(ghi)perylene	%	102	A004646	100		A004646
D12-Benzo(k)fluoranthene	%	98	A004646	94		A004646
D12-Chrysene	%	102	A004646	98		A004646
D12-Indeno(1,2,3-cd)pyrene	%	102	A004646	98		A004646
D12-Perylene	%	100	A004646	94		A004646
D14-Dibenzo(a,h)anthracene	%	102	A004646	102		A004646
D8-Acenaphthylene	%	112	A004646	90		A004646
D8-Naphthalene	%			86		A004646
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A9699

Report Date: 2025/09/16

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		AUUK75		AUUK76	AUUK77		
Sampling Date		2025/08/29		2025/08/29	2025/08/29		
COC Number		N/A		N/A	N/A		
	UNITS	EAST MONITOR PAH AUGUST 29, 2025 ATLY18-01	RDL	NORTH MONITOR PAH AUGUST 29, 2025 ATLY19-01	OLD WEST MONITOR PAH AUGUST 29, 2025 ATLY20-01	RDL	QC Batch
Calculated Parameters							
Benzo(a)pyrene	ug/m3	0.00217	0.00030	0.00301	0.00120	0.00032	A004505
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							

Bureau Veritas ID		AUUK78		AUUK79		
Sampling Date		2025/08/29		2025/08/29		
COC Number		N/A		N/A		
	UNITS	SOUTH MONITOR PAH AUGUST 29, 2025 ATLY21-01	RDL	NEW WEST MONITOR PAH AUGUST 29, 2025 ATLY22-01	RDL	QC Batch
Calculated Parameters						
Benzo(a)pyrene	ug/m3	0.00130	0.00031	0.00153	0.00032	A004505
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A9699

Report Date: 2025/09/16

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC.

Your P.O. #: 4500625271

Sampler Initials: RH

GENERAL COMMENTS

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A004646	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/09/11		82	%	50 - 150
			D10-Fluoranthene	2025/09/11		96	%	50 - 150
			D10-Phenanthrene	2025/09/11		94	%	50 - 150
			D12-Benzo(a)pyrene	2025/09/11		76	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/09/11		98	%	50 - 150
			D12-Benzo(ghi)perylene	2025/09/11		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/09/11		98	%	50 - 150
			D12-Chrysene	2025/09/11		98	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/09/11		98	%	50 - 150
			D12-Perylene	2025/09/11		96	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/09/11		98	%	50 - 150
			D8-Acenaphthylene	2025/09/11		88	%	50 - 150
			D8-Naphthalene	2025/09/11		80	%	50 - 150
			Benzo(a)pyrene	2025/09/11		88	%	50 - 150
A004646	MPQ	RPD	Benzo(a)pyrene	2025/09/11	2.8		%	50
A004646	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/09/11		84	%	50 - 150
			D10-Fluoranthene	2025/09/11		98	%	50 - 150
			D10-Phenanthrene	2025/09/11		94	%	50 - 150
			D12-Benzo(a)pyrene	2025/09/11		78	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/09/11		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/09/11		102	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/09/11		98	%	50 - 150
			D12-Chrysene	2025/09/11		98	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/09/11		104	%	50 - 150
			D12-Perylene	2025/09/11		100	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/09/11		98	%	50 - 150
			D8-Acenaphthylene	2025/09/11		90	%	50 - 150
			D8-Naphthalene	2025/09/11		82	%	50 - 150
			Benzo(a)pyrene	2025/09/11	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A9699

Report Date: 2025/09/16

RAIN CARBON Canada Inc.

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

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



Your P.O. #: 32669
Site Location: RAIN CARBON CANADA INC
Your C.O.C. #: N/A

Attention: Ruetgers list

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

Report Date: 2025/09/16
Report #: R8613498
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A8657

Received: 2025/09/03, 11:28

Sample Matrix: Puf And Filter
Samples Received: 1

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Calculated Polyaromatic Hydrocarbons	1	2025/09/04	2025/09/04	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/09/05	2025/09/11	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/09/04		

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, Acenaphthylene, Acenaphthene, 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. #: 32669
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: 2025/09/16
Report #: R8613498
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A8657

Received: 2025/09/03, 11:28

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

16 Sep 2025 16:24:54

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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BUREAU
VERITAS

Bureau Veritas Job #: C5A8657
Report Date: 2025/09/16

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		AUSP87	
Sampling Date		2025/08/29	
COC Number		N/A	
	UNITS	STN29164 29-AUG-25 PUF#1	QC Batch
Volume	m3	310.4	ONSITE
QC Batch = Quality Control Batch			



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A8657

Report Date: 2025/09/16

Rotek Environmental Inc.

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		AUSP87		
Sampling Date		2025/08/29		
COC Number		N/A		
	UNITS	STN29164 29-AUG-25 PUF#1	RDL	QC Batch
Benzo(a)pyrene	ug	0.34	0.10	A004646
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	74		A004646
D10-Anthracene	%	74		A004646
D10-Fluoranthene	%	88		A004646
D10-Phenanthrene	%	88		A004646
D12-Benzo(a)anthracene	%	80		A004646
D12-Benzo(a)pyrene	%	74		A004646
D12-Benzo(b)fluoranthene	%	94		A004646
D12-Benzo(ghi)perylene	%	98		A004646
D12-Benzo(k)fluoranthene	%	92		A004646
D12-Chrysene	%	92		A004646
D12-Indeno(1,2,3-cd)pyrene	%	96		A004646
D12-Perylene	%	94		A004646
D14-Dibenzo(a,h)anthracene	%	96		A004646
D8-Acenaphthylene	%	78		A004646
D8-Naphthalene	%	68		A004646
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C5A8657

Report Date: 2025/09/16

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		AUSP87		
Sampling Date		2025/08/29		
COC Number		N/A		
	UNITS	STN29164 29-AUG-25 PUF#1	RDL	QC Batch
Benzo(a)pyrene	ng/m3	1.10	0.32	A003947
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C5A8657

Report Date: 2025/09/16

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

GENERAL COMMENTS

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A004646	MPQ	Spiked Blank		D10-2-Methylnaphthalene	2025/09/11		82	%	50 - 150
				D10-Fluoranthene	2025/09/11		96	%	50 - 150
				D10-Phenanthrene	2025/09/11		94	%	50 - 150
				D12-Benzo(a)pyrene	2025/09/11		76	%	50 - 150
				D12-Benzo(b)fluoranthene	2025/09/11		98	%	50 - 150
				D12-Benzo(ghi)perylene	2025/09/11		98	%	50 - 150
				D12-Benzo(k)fluoranthene	2025/09/11		98	%	50 - 150
				D12-Chrysene	2025/09/11		98	%	50 - 150
				D12-Indeno(1,2,3-cd)pyrene	2025/09/11		98	%	50 - 150
				D12-Perylene	2025/09/11		96	%	50 - 150
				D14-Dibenzo(a,h)anthracene	2025/09/11		98	%	50 - 150
				D8-Acenaphthylene	2025/09/11		88	%	50 - 150
				D8-Naphthalene	2025/09/11		80	%	50 - 150
				Benzo(a)pyrene	2025/09/11		88	%	50 - 150
A004646	MPQ	RPD		Benzo(a)pyrene	2025/09/11	2.8		%	50
A004646	MPQ	Method Blank		D10-2-Methylnaphthalene	2025/09/11		84	%	50 - 150
				D10-Fluoranthene	2025/09/11		98	%	50 - 150
				D10-Phenanthrene	2025/09/11		94	%	50 - 150
				D12-Benzo(a)pyrene	2025/09/11		78	%	50 - 150
				D12-Benzo(b)fluoranthene	2025/09/11		100	%	50 - 150
				D12-Benzo(ghi)perylene	2025/09/11		102	%	50 - 150
				D12-Benzo(k)fluoranthene	2025/09/11		98	%	50 - 150
				D12-Chrysene	2025/09/11		98	%	50 - 150
				D12-Indeno(1,2,3-cd)pyrene	2025/09/11		104	%	50 - 150
				D12-Perylene	2025/09/11		100	%	50 - 150
				D14-Dibenzo(a,h)anthracene	2025/09/11		98	%	50 - 150
				D8-Acenaphthylene	2025/09/11		90	%	50 - 150
				D8-Naphthalene	2025/09/11		82	%	50 - 150
				Benzo(a)pyrene	2025/09/11	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A8657

Report Date: 2025/09/16

Rotek Environmental Inc.

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

Dipika Singh, Sample Reception

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



Your P.O. #: 4500625271
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: 2025/09/17

Report #: R8613868

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A9016

Received: 2025/09/03, 17:00

Sample Matrix: Air
Samples Received: 5

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Extracted		
Canister Pressure (TO-15)	1	N/A	2025/09/12 BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	4	N/A	2025/09/13 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/09/12 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	4	N/A	2025/09/13 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 P.O. #: 4500625271
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: 2025/09/17
Report #: R8613868
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A9016

Received: 2025/09/03, 17:00

Encryption Key

Julian Tong
Project Manager Assistant
17 Sep 2025 11:45:10

Please direct all questions regarding this Certificate of Analysis to:

Julian Tong, Project Manager Assistant
Email: Julian.Tong@bureauveritas.com
Phone# (905) 817-5700

=====

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**BUREAU
VERITAS**

Bureau Veritas Job #: C5A9016

Report Date: 2025/09/17

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		AUTE06		AUTE07	AUTE08	AUTE09	
Sampling Date		2025/08/29		2025/08/29	2025/08/29	2025/08/29	
COC Number		na		na	na	na	
	UNITS	EAST CANISTER VOC AUGUST 29, 2025	QC Batch	NORTH CANISTER VOC AUGUST 29, 2025	OLD WEST CANISTER VOC AUGUST 29, 2025	SOUTH CANISTER VOC AUGUST 29, 2025	QC Batch

Volatile Organics							
Pressure on Receipt	psig	(-4.4)	A010229	(-2.7)	(-2.9)	(-2.5)	A010293

QC Batch = Quality Control Batch

Bureau Veritas ID		AUTE10	
Sampling Date		2025/08/29	
COC Number		na	
	UNITS	NEW WEST CANISTER VOC AUGUST 29, 2025	QC Batch

Volatile Organics			
Pressure on Receipt	psig	(-3.5)	A010293

QC Batch = Quality Control Batch



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A9016

Report Date: 2025/09/17

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		AUTE06				AUTE07				
Sampling Date		2025/08/29				2025/08/29				
COC Number		na				na				
	UNITS	EAST CANISTER VOC AUGUST 29, 2025	ug/m3	DL (ug/m3)	QC Batch	NORTH CANISTER VOC AUGUST 29, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch

Volatile Organics										
Benzene	ppbv	3.68	11.8	0.319	A009051	0.76	0.10	2.43	0.319	A009750
Surrogate Recovery (%)										
Bromochloromethane	%	79	N/A	N/A	A009051	86		N/A	N/A	A009750
D5-Chlorobenzene	%	83	N/A	N/A	A009051	90		N/A	N/A	A009750
Difluorobenzene	%	74	N/A	N/A	A009051	83		N/A	N/A	A009750
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										
N/A = Not Applicable										

Bureau Veritas ID		AUTE08				AUTE09				
Sampling Date		2025/08/29				2025/08/29				
COC Number		na				na				
	UNITS	OLD WEST CANISTER VOC AUGUST 29, 2025	ug/m3	DL (ug/m3)		SOUTH CANISTER VOC AUGUST 29, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch

Volatile Organics										
Benzene	ppbv	0.58	1.84	0.319		13.6	0.10	43.4	0.319	A009750
Surrogate Recovery (%)										
Bromochloromethane	%	86	N/A	N/A		85		N/A	N/A	A009750
D5-Chlorobenzene	%	85	N/A	N/A		85		N/A	N/A	A009750
Difluorobenzene	%	82	N/A	N/A		82		N/A	N/A	A009750
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										
N/A = Not Applicable										



VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AUTE10				
Sampling Date		2025/08/29				
COC Number		na				
	UNITS	NEW WEST CANISTER VOC AUGUST 29, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	0.65	0.10	2.09	0.319	A009750
Surrogate Recovery (%)						
Bromochloromethane	%	84		N/A	N/A	A009750
D5-Chlorobenzene	%	83		N/A	N/A	A009750
Difluorobenzene	%	80		N/A	N/A	A009750
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A9016

Report Date: 2025/09/17

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.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A009051	TIM	Spiked Blank	Bromochloromethane	2025/09/12		90	%	60 - 140
			D5-Chlorobenzene	2025/09/12		101	%	60 - 140
			Difluorobenzene	2025/09/12		88	%	60 - 140
			Benzene	2025/09/12		104	%	70 - 130
A009051	TIM	Method Blank	Bromochloromethane	2025/09/12		92	%	60 - 140
			D5-Chlorobenzene	2025/09/12		93	%	60 - 140
			Difluorobenzene	2025/09/12		90	%	60 - 140
			Benzene	2025/09/12	<0.10		ppbv	
A009750	TIM	Spiked Blank	Bromochloromethane	2025/09/13		90	%	60 - 140
			D5-Chlorobenzene	2025/09/13		93	%	60 - 140
			Difluorobenzene	2025/09/13		89	%	60 - 140
			Benzene	2025/09/13		105	%	70 - 130
A009750	TIM	Method Blank	Bromochloromethane	2025/09/13		95	%	60 - 140
			D5-Chlorobenzene	2025/09/13		94	%	60 - 140
			Difluorobenzene	2025/09/13		93	%	60 - 140
			Benzene	2025/09/13	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A9016

Report Date: 2025/09/17

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:

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: 2025/09/16

Report #: R8613238

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A8587

Received: 2025/09/03, 11:28

Sample Matrix: Air
Samples Received: 1

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Canister Pressure (TO-15)	1	N/A	2025/09/12	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/09/15	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 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
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BUREAU VERITAS JOB #: C5A8587

Received: 2025/09/03, 11:28

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

16 Sep 2025 13:04:52

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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**BUREAU
VERITAS**

Bureau Veritas Job #: C5A8587

Report Date: 2025/09/16

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		AUSM63	
Sampling Date		2025/08/29	
COC Number		NA	
	UNITS	STN29164 29-AUG-25	QC Batch
Pressure on Receipt	psig	(-4.1)	A010952
QC Batch = Quality Control Batch			



BUREAU
VERITAS

Bureau Veritas Job #: C5A8587

Report Date: 2025/09/16

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AUSM63				
Sampling Date		2025/08/29				
COC Number		NA				
	UNITS	STN29164 29-AUG-25	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.33	0.20	1.04	0.639	A010132
Surrogate Recovery (%)						
Bromochloromethane	%	96		N/A	N/A	A010132
D5-Chlorobenzene	%	94		N/A	N/A	A010132
Difluorobenzene	%	96		N/A	N/A	A010132
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



**BUREAU
VERITAS**

Bureau Veritas Job #: C5A8587

Report Date: 2025/09/16

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

GENERAL COMMENTS

Sample AUSM63 [STN29164 29-AUG-25] : Sample was analyzed at a 2X dilution. The DL was adjusted accordingly.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A010132	NS2	Spiked Blank	Bromochloromethane	2025/09/15		103	%	60 - 140
			D5-Chlorobenzene	2025/09/15		102	%	60 - 140
			Difluorobenzene	2025/09/15		101	%	60 - 140
			Benzene	2025/09/15		96	%	70 - 130
A010132	NS2	Method Blank	Bromochloromethane	2025/09/15		103	%	60 - 140
			D5-Chlorobenzene	2025/09/15		98	%	60 - 140
			Difluorobenzene	2025/09/15		103	%	60 - 140
			Benzene	2025/09/15	<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.



BUREAU
VERITAS

Bureau Veritas Job #: C5A8587

Report Date: 2025/09/16

Rotek Environmental Inc.

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

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APPENDIX E

Field Notes



PUF - Station Logs

Station : East
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	ASJM47-01	ASJM47-01	11-Jul-25	36	5378.74	34	5401.97	14-Jul-25	318.1	23.23	RH	
	PUF#1		16:25					14:33				
24-Jul-25	ASJN19-01	ASJN19-01	23-Jul-25	38	5401.97	34	5425.28	28-Jul-25	322.9	23.31	RH	
	PUF#1		14:55					12:32				
05-Aug-25	ATLW29-01	ATLW29-01	01-Aug-25	38	5425.29	38	5448.74	07-Aug-25	333.8	23.45	RH	
	PUF#1		17:27					11:18				
17-Aug-25	ATLW56-01	ATLW56-01	15-Aug-25	36	5448.75	38	5472.10	19-Aug-25	328.2	23.35	RH	
	PUF#1		17:13					14:19				
29-Aug-25	ATLY18-01	ATLY18-01	28-Aug-25	38	5472.15	38	5495.39	03-Sep-25	332.1	23.24	RH	
	PUF#1		16:26					09:29				



PUF - Station Logs

Station : North
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

	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
12-Jul-25	ASJM48-01	ASJM48-01	11-Jul-25	38	3611.74	38	3635.23	14-Jul-25	315.4	23.49	RH	
	PUF#2		16:35					15:13				
24-Jul-25	ASJN20-01	ASJN20-01	23-Jul-25	38	3635.24	38	3658.73	28-Jul-25	316.4	23.49	RH	
	PUF#2		15:10					12:46				
05-Aug-25	ATLW30-01	ATLW30-01	01-Aug-25	36	3658.74	36	3682.13	07-Aug-25	310.8	23.39	RH	
	PUF#2		17:44					11:39				
17-Aug-25	ATLW57-01	ATLW57-01	15-Aug-25	34	3682.14	34	3705.60	19-Aug-25	301.9	23.46	RH	
	PUF#2		17:31					14:32				
29-Aug-25	ATLY19-01	ATLY19-01	28-Aug-25	36	3705.67	35	3729.17	03-Sep-25	311.8	23.50	RH	
	PUF#2		18:06					09:48				



PUF - Station Logs

Station : Old West
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q2

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
12-Jul-25	ASJM49-01	ASJM49-01	11-Jul-25	30	5233.24	30	5257.10	14-Jul-25	310.8	23.86	RH	
	PUF#3		17:34					16:36				
24-Jul-25	ASJN21-01	ASJN21-01	23-Jul-25	38	5257.10	32	5280.89	28-Jul-25	325.9	23.79	RH	
	PUF#3		16:50					15:28				
05-Aug-25	ATLW31-01	ATLW31-01	01-Aug-25	34	5280.90	32	5304.62	07-Aug-25	321.5	23.72	RH	
	PUF#3		18:43					16:35				
17-Aug-25	ATLW58-01	ATLW58-01	15-Aug-25	30	5304.63	32	5328.31	19-Aug-25	313.7	23.68	RH	
	PUF#3		18:22					16:16				
29-Aug-25	ATLY20-01	ATLY20-01	28-Aug-25	30	5328.39	32	5352.14	03-Sep-25	316.7	23.75	RH	
	PUF#3		18:58					11:11				



PUF - Station Logs

Station : South
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	ASJM50-01	ASJM50-01	11-Jul-25	34	5143.07	32	5166.01	14-Jul-25	299.0	22.94	RH	
	PUF#4		16:53					15:38				
24-Jul-25	ASJN22-01	ASJN22-01	23-Jul-25	38	5166.01	38	5188.92	28-Jul-25	317.0	22.91	RH	
	PUF#4		15:31					13:06				
05-Aug-25	ATLW32-01	ATLW32-01	01-Aug-25	38	5188.93	38	5211.85	07-Aug-25	320.4	22.92	RH	
	PUF#4		18:03					12:12				
17-Aug-25	ATLW59-01	ATLW59-01	15-Aug-25	38	5211.86	40	5234.74	19-Aug-25	321.9	22.88	RH	
	PUF#4		17:48					15:47				
29-Aug-25	ATLY21-01	ATLY21-01	28-Aug-25	38	5234.79	38	5257.71	03-Sep-25	321.9	22.92	RH	
	PUF#4		18:22					10:17				



PUF - Station Logs

Station : New West
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	ASJM51-01	ASJM51-01	11-Jul-25	38	4940.73	38	4964.29	14-Jul-25	316.4	23.56	RH	
	PUF#5		17:15					16:18				
24-Jul-25	ASJN23-01	ASJN23-01	23-Jul-25	34	4964.29	35	4987.86	28-Jul-25	#REF!	23.57	RH	
	PUF#5		15:50					15:10				
05-Aug-25	ATLW33-01	ATLW33-01	01-Aug-25	38	4987.87	36	5011.55	07-Aug-25	318.7	23.68	RH	
	PUF#5		18:22					16:07				
17-Aug-25	ATLW60-01	ATLW60-01	15-Aug-25	36	5011.55	40	5035.11	19-Aug-25	319.5	23.56	RH	
	PUF#5		18:06					15:39				
29-Aug-25	ATLY21-01	ATLY21-01	28-Aug-25	36	5035.17	36	5058.70	03-Sep-25	314.2	23.53	RH	
	PUF#5		18:42					10:42				



VOC - Station Logs

Station : East
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	309	11-Jul	---	-30.0	---	-18.0	14-Jul-25	---	24.0	RH		The July 12, 2025, MECP monitoring day VOC monitor summa canister off pressure was - 18 inches Hg due to a VOC sampler timer valve flow restrictions.
		16:24					14:37					
15-Jul-25	305	14-Jul	---	-30.0	---	-18.0	17-Jul-25	---	24.0	RH		Additional East VOC Monitor Tuesday July 15, 2025, MECP monitoring day
		14:44					14:36					
19-Jul-25	14253	18-Jul	---	-30.0	---	-14.0	22-Jul-25	---	24.0	RH		#1 Additional East VOC Monitor Saturday July 19, 2025, MECP monitoring day
		18:44					14:36					
19-Jul-25	14252	18-Jul	---	-30.0	---	0.0	22-Jul-25	---	24.0	RH		#2 Additional East VOC Monitor Saturday July 19, 2025, MECP monitoring day
		18:44					14:40					
24-Jul-25	23655	23-Jul	---	-30.0	---	-17.5	28-Jul-25	---	24.0	RH		
		15:00					12:35					
24-Jul-25	32572	23-Jul	---	-30.0	---	-9.5	28-Jul-25	---	24.0	RH		Additional Standalone East VOC Monitor Thursday July 24, 2025, MECP monitoring day
		16:40					12:36					
05-Aug-25	256	01-Aug	---	-30.0	---	-14.0	07-Aug-25	---	24.0	RH		
		17:30					11:20					
05-Aug-25	29297	01-Aug	---	-30.0	---	-10.0	07-Aug-25	---	24.0	RH		Additional Standalone East VOC Monitor Tuesday August 5, 2025, MECP monitoring day
		17:35					11:23					
17-Aug-25	7826	15-Aug	---	-30.0	---	-16.0	19-Aug-25	---	24.0	RH		Summa canister pressure on receipt outside MECP guidance. Sample invalidated.
		17:17					14:22					
17-Aug-25	280	15-Aug	---	-30.0	---	-3.0	19-Aug-25	---	24.0	RH		Additional Standalone East VOC Monitor Sunday August 17, 2025, MECP monitoring day. Summa canister pressure on receipt outside MECP guidance. Sample invalidated.
		17:20					14:23					
22-Aug-25	132	21-Aug	---	-30.0	---	-30.0	25-Aug-25	---	24.0	RH		Additional East VOC Monitor Friday August 22, 2025, monitoring day
		12:59					13:54					
26-Aug-25	132	25-Aug	---	-30.0	---	-9.0	27-Aug-25	---	24.0	RH		Additional East VOC Monitor Tuesday August 26, 2025, monitoring day
		13:54					10:42					
29-Aug-25	14938	28-Aug	---	-30.0	---	-10.0	03-Sep-25	---	24.0	RH		
		17:58					09:31					



VOC - Station Logs

Station : North
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	7812	11-Jul	---	-30.0	---	-17.0	14-Jul-25	---	24.0	RH		The July 12, 2025, MECP monitoring day VOC monitor summa canister off pressure was - 17 inches Hg due to a VOC sampler timer valve flow restrictions.
		16:40					14:58					
16-Jul-25	27575	15-Jul	---	-30.0	---	-11.0	17-Jul-25	---	24.0	RH		Additional North VOC Monitor July 16, 2025, MECP monitoring day
		14:17					14:45					
24-Jul-25	27659	23-Jul	---	-30.0	---	-10.0	28-Jul-25	---	24.0	RH		
		15:00					12:48					
05-Aug-25	279	01-Aug	---	-30.0	---	-10.0	07-Aug-25	---	24.0	RH		
		17:47					11:44					
17-Aug-25	269	15-Aug	---	-30.0	---	-30.0	19-Aug-25	---	24.0	RH		The August 17, 2025, MECP monitoring day VOC monitor summa canister off pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
		17:35					14:34					
20-Aug-25	269	19-Aug	---	-30.0	---	-10.0	21-Aug-25	---	24.0	RH		Additional North VOC Monitor August 20, 2025, monitoring day.
		14:36					13:19					
29-Aug-25	14121	28-Aug	---	-30.0	---	-7.0	03-Sep-25	---	24.0	RH		
		18:10					09:50					



VOC - Station Logs

Station : Old West
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	14549	11-Jul	---	-30.0	---	-11.0	14-Jul-25	---	24.0	RH		
		17:37					16:38					
24-Jul-25	27696	23-Jul	---	-30.0	---	-11.0	24-Jul-25	---	24.0	RH		
		16:26					15:29					
05-Aug-25	1281	01-Aug	---	-30.0	---	-12.0	07-Aug-25	---	24.0	RH		
		18:47					16:37					
17-Aug-25	14267	15-Aug	---	-30.0	---	-12.0	19-Aug-25	---	24.0	RH		
		18:26					16:18					
29-Aug-25	14270	28-Aug	---	-30.0	---	-6.5	03-Sep-25	---	24.0	RH		
		19:02					11:13					



VOC - Station Logs

Station : South
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	7820	11-Jul	---	-30.0	---	-13.0	14-Jul-25	---	24.0	RH		
		16:59					15:40					
24-Jul-25	27589	23-Jul	---	-30.0	---	-12.5	28-Jul-25	---	24.0	RH		
		15:36					13:08					
05-Aug-25	14552	01-Aug	---	-30.0	---	-11.0	07-Aug-25	---	24.0	RH		
		18:06					12:14					
17-Aug-25	137	15-Aug	---	-30.0	---	-13.0	19-Aug-25	---	24.0	RH		
		15:49					15:48					
29-Aug-25	2796	28-Aug	---	-30.0	---	-6.0	03-Sep-25	---	24.0	RH		
		18:25					10:18					



VOC - Station Logs

Station : New West
Location : 725 Strathearne Avenue N, Hamilton
Period : July 1 to September 30, 2025
Quarter : Q3

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
12-Jul-25	18251	11-Jul	---	-30.0	---	-8.0	14-Jul-25	---	24.0	RH		
		17:19					16:20					
24-Jul-25	17204	23-Jul	---	-30.0	---	-9.0	28-Jul-25	---	24.0	RH		
		16:08					15:14					
05-Aug-25	7824	01-Aug	---	-30.0	---	-8.5	07-Aug-25	---	24.0	RH		
		18:26					16:11					
17-Aug-25	23736	15-Aug	---	-30.0	---	-7.5	19-Aug-25	---	24.0	RH		
		18:09					16:02					
29-Aug-25	14907	28-Aug	---	-30.0	---	-7.0	03-Sep-25	---	24.0	RH		
		18:46					10:44					