

## REPORT May 2025 Ambient Air Monitoring Report Rain Carbon Canada Inc.

Submitted by:

#### Rain Carbon Canada Inc.

725 Strathearne Avenue North Hamilton, Ontario L8H 5L3

June 2025



## **Distribution List**

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# Table of Contents

1.0		5
2.0	AMBIENT MONITORING STATIONS	6
3.0	SUMMARY OF MONITORING EQUIPMENT CONDITIONS	5
4.0	SUMMARY OF BENZENE MEASUREMENTS	7
5.0	SUMMARY OF B(A)P MEASUREMENTS	8
6.0	CONCLUSIONS	9

#### TABLES

Table 1: Rain Carbon Ambient Air Quality Monitoring Stations	.6
Table 2: Summa Canister Pressures on Receipt	.6
Table 3: PUF Filter Total Volumes	.6
Table 4: Summary of May 2025 Benzene Measurements	.7
Table 5: Summary of May 2025 B(a)P Measurements	.9

#### FIGURES

Figure 1: Monitor and Source Locations	7
Figure 2: Monitor Location on the South Side of the Facility	7
Figure 3: Monitor Locations on the West Side of the Facility	8
Figure 4: Monitor Locations on the North Side and East Side of the Facility	8

#### APPENDICES

APPENDIX A Monitoring Plan

**APPENDIX B** Laboratory Analysis

APPENDIX C Chain of Custody Forms

**APPENDIX D** Certificates of Analysis

APPENDIX E Field Notes

### 1.0 INTRODUCTION

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

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

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

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

Table 1: Rain Carbon Ambient Air Quality Monitoring Stations

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 m<sup>3</sup> and 358.8 m<sup>3</sup> over 24 hours. The summa canister pressures on receipt and PUF filter total volumes are presented below in Tables 2 and 3.

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

For the May 2025 benzene monitoring results, all the summa canister pressures on receipt were within the MECP acceptable pressures of receipt of between -1.6 to -13.4 inches Hg except for at the north and old west VOC monitors on the **Sunday May 25, 2025, MECP monitoring event** which recorded summa canister pressures on receipt of – 0 inches and - 30 inches Hg respectively, and both outside the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg.

Therefore, the **Sunday May 25, 2025, MECP monitoring event** north and old west VOC monitors benzene measurements were invalidated, and the north and old west monitors were successfully operated again on **Tuesday May 27, 2025, and Saturday May 31, 2025**, respectively.

Monitoring Event	Benzene	SUMMA Canis (inch	ster Pressure les Hg)	on Receipt		
Date	East	North	Old West	South	New West	HAMN STN 29164
May 1	- 8.55	- 7.33	- 7.74	- 9.37	- 6.72	- 7.94
May 13	-7.74	- 6.72	- 2.04*	- 4.28*	- 5.90	- 7.33
May 25	- 8.14	- 30.00**	- 0.00**	-10.38*	-7.13	-7.74
May 27 (additional north monitor monitoring event)	-	- 8.75	-	-	-	-
May 31 (additional old west monitor monitoring event)	-	-	- 8.96	-	-	-

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

\*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		+	+B(a)P PUF Total Volume [m <sup>3</sup> ]			
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
May 1	329.1	319.2	334.6	323.6	320.2	328.8
May 13	334.6	317.4	338.0	321.0	318.5	327.2
May 25	336.3	324.2	337.6	317.2	326.0	317.6

#### 4.0 SUMMARY OF BENZENE MEASUREMENTS

Monitoring Event		Measured Concentration [µg/m <sup>3</sup> ]				
Monitoring Event - Date	East	North	Old West	South	New West	HAMN STN 29164
May 1	2.40	<0.319	8.23	15.8	1.54	< 0.319
May 13	3.04	1.88	13.0*	89.4*	3.37	0.332
May 25	16.3	Invalid sample**	Invalid sample**	6.47*	1.04	1.03
May 27 (additional north monitor monitoring event)	-	3.03	-	-	-	-
May 31 (additional old west monitor monitoring event)	-	-	2.09	-	-	-

**Table 4: Summary of May 2025 Benzene Measurements** 

\*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 May 2025. The measurements range from <0.319  $\mu$ g/m<sup>3</sup> to **89.4 \mug/m<sup>3</sup> benzene**, with the highest value being detected at the south monitor during the **Tuesday May 13, 2025, MECP monitoring event**.

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

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

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

Monitoring		Measured Concentration [µg/m <sup>3</sup> ]							
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164			
May 1	< 0.00030	< 0.00031	0.00042	0.00056	0.00075	< 0.00030			
May 13	0.00036	0.00032	0.00166	0.00062	0.00088	< 0.00031			
May 25	0.00125	0.00062	< 0.00030	< 0.00032	< 0.00031	0.00069			

The May 2025 B(a)P measurements ranged from <  $0.00030 \ \mu g/m^3$  to **0.00166 \mu g/m^3 B(a)P**, with the highest value being detected at the **old west monitor** during the **Tuesday May 13**, **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 B(a)P concentrations measured during the May 2025 monitoring events were below the 0.0043  $\mu$ g/m<sup>3</sup> Measured Level Threshold (MLT) and below the 24-hr Upper Risk Threshold (URT) of 0.0050  $\mu$ g/m<sup>3</sup> B(a)P.

#### **6.0 CONCLUSIONS**

All the valid B(a)P concentrations measured during the May 2025 monitoring events were below the  $0.0043 \ \mu g/m^3$  Measured Level Threshold (MLT) and below the 24-hr Upper Risk Threshold (URT) of  $0.0050 \ \mu g/m^3$  B(a)P. All the recorded PUF volumes were inside the MECP specified range of between 293.6 m<sup>3</sup> and 358.8 m<sup>3</sup> over 24 hours.

All the benzene summa canister pressures on receipt were within the MECP acceptable pressures of receipt of between -1.6 to -13.4 inches Hg except for at the old west and north VOC monitors on the **Sunday May 25, 2025, MECP monitoring event .** Therefore, these benzene measurements were invalidated, and the north and old west monitors were successfully operated again on Tuesday May 27, 2025, and Saturday May 31, 2025, respectively.

All valid benzene concentrations measured during the May 2025 MECP monitoring events were below the 24-hour Upper Risk Threshold (URT) of 100  $\mu$ g/m<sup>3</sup> benzene,

## Signature Page

Robin Hart

Robin S. Hart P.Eng.

Environmental Engineer Rain Carbon Canada Inc. June 2025

APPENDIX A

# Monitoring Plan



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

Submitted to:

**Distribution List** 

Submitted by:

Rain Carbon Canada Inc. 725 Strathearne Ave. N Hamilton, ON L8H 5L3

September 2020

# **Distribution List**

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# Table of Contents

1.0 INT	RODUCTION	1
1.1	Description of the Facility 1	
1.2	Description of the Process1	
1.3	Operating Schedule 1	
2.0 AIR	QUALITY MONITORING PROGRAM	2
2.1	Sampling Systems and Methodology	2
2.1.1 (	Calibration	2
2.2	Monitor Locations	3
2.2.1 \$	Siting Criteria	4
2.3	Meteorological Data and Background Concentrations	4
2.4	Laboratory Analysis	5
2.5	Review of Monitoring Locations	5
3.0 REF	PORTING	6
3.1	Measured Level Threshold	6
4.0 CLC	OSURE	6

#### TABLES

Table 2.1: Standard Operation Procedures for Monitoring	2
Table 2.2: Relocation Details and Justification	3
Table 2.3: Monitor Locations Comparison to MECP Siting Criteria	4
Table 2.4: Meteorological Station Information	5
Table 2.5: Analytical Methodology	5

#### FIGURES

Figure 1 – Site Plan

Figure 2 – Environmental Monitor Locations

#### APPENDICES

APPENDIX A Site Photos

## 1.0 INTRODUCTION

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

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

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

### 1.1 Description of the Facility

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

## 1.2 Description of the Process

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

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

## 1.3 Operating Schedule

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

## 2.0 AIR QUALITY MONITORING PROGRAM

## 2.1 Sampling Systems and Methodology

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

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

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

Table 2.1: Standard Operation Procedures for Monitoring

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

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

### 2.1.1 Calibration

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

The monitoring equipment is calibrated by Rotek.

### 2.2 Monitor Locations

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

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.

	Orditanda	Critorio			Monitor Location				
Contaminant	Criteria	North	East Old West		New West	South			
B(a)P and Benzene	Inlet height 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade	Inlet 3 to 15 m above grade			
B(a)P and Benzene	Inlet at least 1 m (vertical) and 2 m (horizontal) away from structure	Yes	Yes	Yes	Yes	Yes			
B(a)P and Benzene	No nearby furnace or incineration flues	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			

Table 2.3: Monitor Locations Comparison to MECP Siting Criteria.

## 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.

HAMN Station	29567	29180	29547	29102	29167	29171	29565
Wind Speed and Direction	$\checkmark$	~	_	~	~	$\checkmark$	~
B(a)P Concentration	$\checkmark$	~	$\checkmark$	_	—	_	_
Benzene Concentration	$\checkmark$	~	_	~	_	_	_
Approximate Distance from Facility [km]	3.9	2.4	1.0	1.5	1.7	2.3	1.3
Orientation from Facility	W	WSW	Ν	NNE	NNW	WNW	S

Table 2.4: Meteorological Station Information

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.

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

Table 2.5: Analytical Methodology

### 2.5 Review of Monitoring Locations

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

## 3.0 **REPORTING**

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

## 3.1 Measured Level Threshold

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

## 4.0 CLOSURE

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

# Signature Page

R.S. Slart

Robin S. Hart P.Eng.

**Environmental Engineer** 

Rain Carbon Canada Inc.

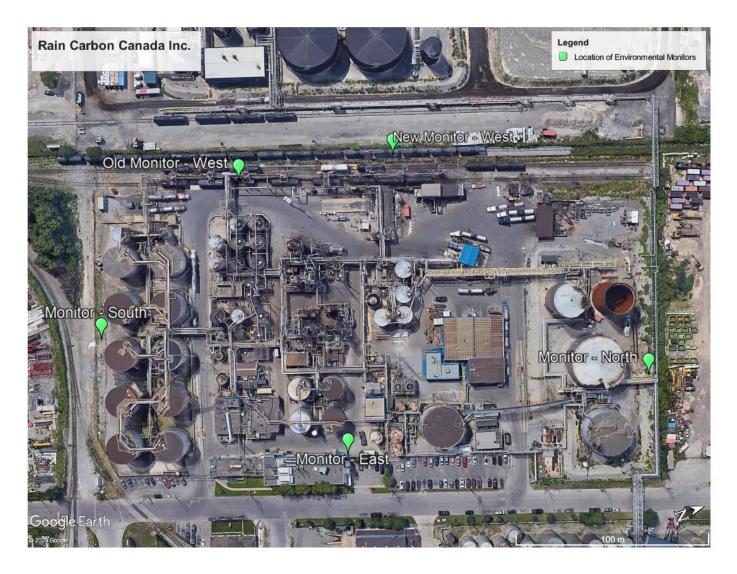
September 2020

# **Figures**

### Figure 1: Site Plan



#### Figure 2: Environmental Monitor Locations



APPENDIX A

# Site Photos

Figure A1: Site-Wide Aerial View 1

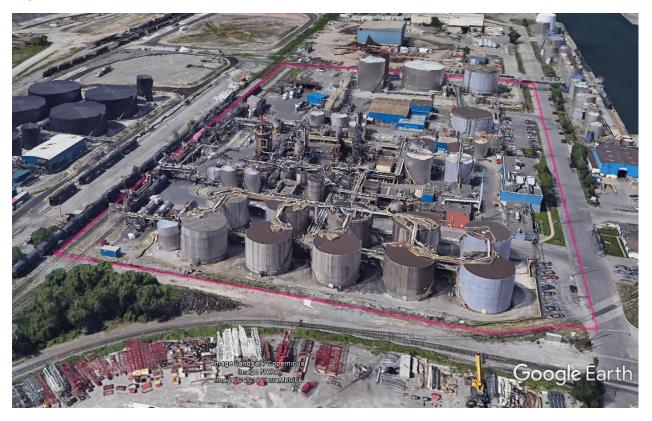


Figure A2: Site-Wide Aerial View 2



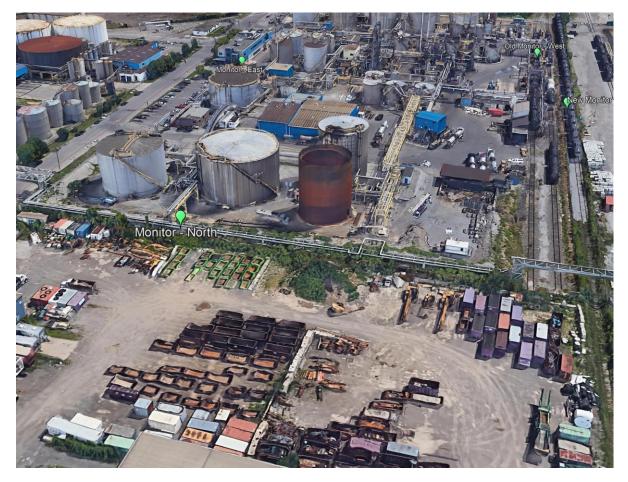


Figure A4: Aerial View 2 – North Monitoring Station.



North monitor



## Figure A3: Aerial View 1 – Existing South Monitoring Station

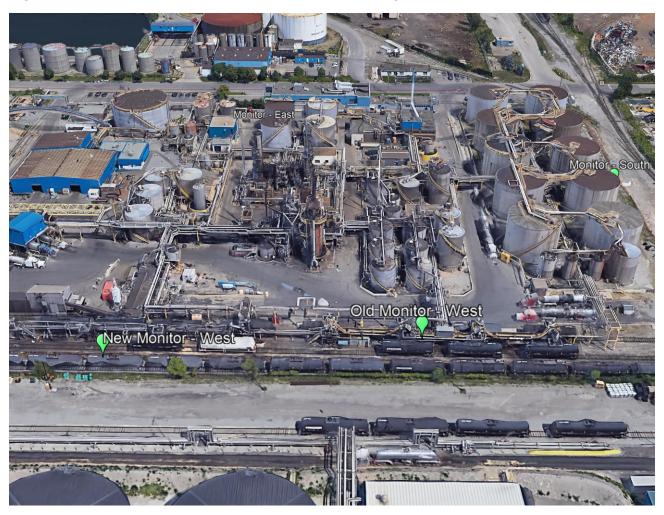


Figure A3: Aerial View 3 – New and Old West Monitoring Stations



New West Monitor



Figure A4: Aerial View 4 – East Monitoring Station

June 2025

APPENDIX B

Laboratory Analysis

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

Reporting Period Sampling Methods Sampling Times : May 2025

: CARB429(ARBM1,M2) mod

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

Parameter				
Units				
Analytical RDL				
Annual Site-Specific Standard				

BaP	
ng/m³	
0.315	
0.8	

Sample Date		Location							
Sumple Bate	East	North	Old West	South	New West	STN29164			
May 1, 2025	<0.30	<0.31	0.42	0.56	0.75	<0.30*			
May 13, 2025	0.36	0.32	1.66	0.62	0.88	<0.31*			
May 25, 2025	1.25	0.62	<0.30	<0.32	<0.31	0.69*			

Monthly Ave	0.637	0.417	0.793	0.50	0.647	0.43
Monthly Max	1.25	0.62	1.66	0.62	0.88	0.69
Monthly Min	<0.30	<0.31	<0.30	<0.32	<0.31	<0.30
No. of Samples > Standard	1	0	1	0	1	0*
No. of Valid Samples	3	3	3	3	3	3*
% Valid Data	100	100	100	100	100	100*

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

Comments:

## Rain Carbon Canada Inc. - VOC Sampling Report

Reporting Period Sampling Methods Sampling Times : May 2025

: GC/MS (TO15)

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

Parameter				
Units				
Analytical RDL				
Annual Site-Specific Standard				

Benzene
μg/m³
0.319
12.7

Sample Date	
May 1, 2025	
May 13, 2025	
May 25, 2025	
May 27, 2025	
May 31, 2025	

	Location									
	East	North	Old West	South	New West	STN29164				
	2.4	<0.319	8.23	15.8	1.54	<0.3019*				
	3.04	1.88	13.0	89.4	3.37	0.332*				
	16.3	Invalid sample	Invalid sample	6.47	1.04	1.03*				
ĺ	-	3.03	-	-	-	-				
ĺ	-	-	2.09	-	-	-				

Monthly Ave	7.25	1.743	7.773	37.223	1.98	0.555
Monthly Max	16.3	3.03	13.0	89.4	3.37	1.03*
Monthly Min	2.4	<0.319	2.09	6.47	1.04	<0.3019*
No. of Samples >Standard	1	0	1	2	0	0*
No. of Valid Samples	3	3	3	3	3	3*
% Valid Data	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 Sampling Method Sampling Times : May 2025

: CARB429(ARBM1,M2) mod

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

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

Sample Date			Loca	ation		
Sample Date	East	North	Old West	South	New West	STN29164
01-May-25						0.15
13-May-25						0.15
25-May-25						0.69
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.33
Monthly Max	0.00	0.00	0.00	0.00	0.00	0.69
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.15
No. of Samples >Standard	0	0	0	0	0	0
No. of Valid Samples	0	0	0	0	0	3
% Valid Data	100	100	100	100	100	100

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

Comments

## Rain Carbon Canada Inc. - VOC Sampling Report

Reporting Period Sampling Methods Sampling Times : May 2025 : GC/MS (TO15)

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

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

Sample Date			Loca	ation		
Sample Date	East	North	Old West	South	New West	STN29164
01-May-25						0.15
13-May-25						0.33
25-May-25						1.03
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.50
Monthly Max	0.00	0.00	0.00	0.00	0.00	1.03
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.15
No. of Samples >Standard	0	0	0	0	0	0
No. of Valid Samples	0	0	0	0	0	3
% Valid Data	100	100	100	100	100	100

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

Comments

June 2025

APPENDIX C

# Chain of Custody Forms

			A	HI	1					•		~		-					CAM	CD-013	
			6740 Campo Mississauga		N 21.8		: 1-800-668 : (905) 817-			Cha	in of	Cus	tody	Form	- PUF	·/PAI	H			Page _	1 of2_
VERITAS			www.bvlabs			Fax	(905) 817-										ANAL	YSIS R	EQUES	TED	
	INVOICE IN	FORMATIC	N		<b>REPORT I</b>	NFORMAT	ION	i in						(¥							
Company Nar	ne: <u>F</u>	Rain Carbon	¢	Company N	ame:	Rain Carb	on	1 -				RIAL		T015	nod	C16)					
Contact Name	9 <u>:                                    </u>	Robin Hart	F	Project Man	ager:	Robin Har	t	START VACUUM (inches of Hg)	of Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	13			
ddress:	725 Strathe	arne Avenu	e A	Address:	725 Strathe	earne Aven	ue	nches			AIR	CIALUN		s (refe	atic Hy	and F2	ease :	PAHs on PUF by EPA TO13			CANISTERS NOT USED
	Hamilton, C	N			Hamilton, C	ON		W (j	linc	1.20	R	MER		ð	hdil	10)	d	V EI	ZE		DTU
E-mail:	robin.hart@	raincarbon.	com E	E-mail:	robin.hart@	raincarbor	n.com	nn:	CM	UR	DO	INO	GA	PF)	tic/A	5	SC's	UF b	ANALYZE		SNC
Ph:	1-647-281-			Ph:	1-647-281-			M	VACUUM (inches	SOIL VAPOUR	AMBIENT/INDOOR AIR	VIIC	SUB-SLAB GAS	IST	s	1 (0	> P	n P	TAN		ER
					1-041-201-	0004		IRT	NO	L VI	BIEI	BIE	3-SI	FL	XIA	XI	acte	ls o	NOT		ISIN
Sampled by:	Robin Hart							STJ	END	sol	AM	AM	SUI	FUL	BTE Frac	BTE	Sel	PA	8		CAL
	Fi	eld Sample	D		BV PUF ID #	Flow Regulator Serial #	Retrieval Date														
									N.C.	1990	-	No.									
East P	AH	01-May	PU	F #1	APKA20-01		02-May					-						X			
North P	АН	01-May	PU	= #2	APKA21-01		02-May											x			
Old West	PAH	01-May	PU	F #3	APKA22-01		02-May							1				x			
	and the second second second																				- Antonio
South F	РАН	01-May	PU	F #4	APKA23-01		02-May											x			
New Wes	t PAH	01-May	PUF	= #5	APKA24-01		02-May											x			
TAT Requirem		2	PROJECT I		ON Canada Inc		REPORTI	IG RE	QUIRE	MENT	S			ase in	dicate o		of cust	ody if y	our sar	nples an	9
Rush 5 Busine Rush 2 Busine	ss day *		Name: F	Robin Hart 450062527			1	Regula	itions	ON 1 ON 4							n the ci	hain of	custody	r even if	unused
Rush Other *			Bureau Verita		-		]			BC C	SR		PRO	JECT	SPECI	FIC C	OMME	NTS			
			Bureau Verita	s Contact:	Cristina Ba	cchus	-	Other													
' need approv	al from Burea	au Veritas	Task Order/L	Line Item		~							Analy	/se for	BaP or	nly in n	g/m3.				
lient Signature:	Doug Cunn	ingham			Received by	<u>+ \</u>		The	n						/ result						
Date/Time:		ay-25 🖊	0:00		Date/Time:	ين	Sparte	6	(*(				dasz	ko@ro	tekinc.c	om				rotekind	
Inless otherwise a		ng, work subm n/terms-and-co		n of Custody is	subject to Burea	u Veritas Labo	oratories' stand	ard Terr	ns and C	ondition	s. Sign	ing of t	this Cha	in of Cus	stody docu	ument is	acknowle	dgment a	and accep	otance of c	ur terms

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

Sample Date Project ID Sampler Model	01-May-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Har

Purchase Order Number	Rain Carbon/ Robin Hart
Results to:	
Results to:	
Results to:	robin.hart@raincarbon.com
Results to:	york.zhang@raincarbon.com

Station No.	Sample Date	PUF	Maxxam Filter ID #	Install Date	MAGN On inH2O	Removal Date	MAGN Off	Total Volume	Submission
		Cartridge #	Filter ID #	Install Time	INH2O	Removal Time	INH2O	m3	Date
EAST	01 May 2025	APKA20-01	APKA20-01	30-Apr-25		02-May-25	25	200.1	00 May 25
EAST	01 May 2025		APKA20-01	18:38	38	12:35	35	329.1	06-May-25
NODTU	01.14-0.005	APKA21-01		30-Apr-25	]	02-May-25		040.0	
NORTH	01 May 2025	01 May 2025 APKA21-01 38	38	10:50	36	319.2	06-May-25		
OLD WEST	01 May 2025	APKA22-01	APKA22-01	30-Apr-25	20	02-May-25	20	224.0	00 May 05
OLD WEST	01 May 2025 L	025 APKA22-01 19:42 38 11:40	36	334.6	06-May-25				
SOUTH	01 May 2025	APKA23-01	APKA23-01	30-Apr-25	38	02-May-25	38	323.6	00 May 05
500TH	01 May 2025 L		APKA23-01	19:07	38	12:10	38	323.0	06-May-25
NEW WEST	01 May 2025	APKA24-01	APKA24-01	30-Apr-25	38	02-May-25	36	320.2	06 May 25
NEW WEST	01 May 2025 L		APKA24-01	19:26	38	11:15	30	320.2	06-May-25
Com	ment 1 :								
Com	ment 2 :								

		6740 Campobello			1-800-668-			Cha	in of	Cus	tody	Form	1 - PUF	/ PA	н		CAM	CD-013		_2_
BUREAU		Mississauga Ontar www.bylabs.com	io ,L5N 2L8		(905) 817-5 (905) 817-5											YSIS RI	FOLIES	TED		
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Company Nar	ne: Rotek Enviro	onmental Inc Compa	ny Name:	Rotek Env	rironmental Ir	1.1				RIAL		FULL LIST OF VOCs (reference TO15A)	rbon	-C16)	Å					
Contact Name	e: Paul Daszko		Manager:	Paul Dasz		s of H	of Hg)	C III		INDUST		ference	łydroca	⁼2 (C10	specif	013				
Address:	15 Keefer Court Hamilt ON L8E 4V4	on Addres	ON L8E 4V4			l (inche	VACUUM (inches of Hg)		RAIR	AMBIENT/COMMERCIAL/INDUSTRIAL		OCs (re	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	) and F	- please	EPA TC	3			USED .
E-mail:	poore@rotekinc.com	ul Daszko     Project Manager:     Paul Daszko       urt Hamilton     Address     15 Keefer Court Hamilton       ON L8E 4V4     ON L8E 4V4       inc.com     E-mail:     jennifer.davies@rotekinc.com       Ph:     905 573 9533     FY S				UUM (ii	OUR	AMBIENT/INDOOR AIR	/COMMI	SUB-SLAB GAS	T OF V	natic/Ali	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	PAHs on PUF by EPA TO13	DO NOT ANALYZE			CANISTERS NOT USED	
Ph:	905 573 9533	Ph:	905 573 95	33		ART V	D VAC	SOIL VAPOUR	BIENT	BIENT	B-SLA	T LIS	X/Aron	EX/F1	ected	Hs on	NOT /			NISTE
Sampled by:	Robin Hart					ST	END	Sol	AM	AM	SUI	101	BTE	ВТІ	Sel	PAI	Q			CAI
	Field Sample ID		BV PUF ID #	Flow Regulator Serial #	Retrieval Date															
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Rush 2 Busine Rush Other *	ss day *	PO #: 32669 Bureau Veritas Quote	#-					ON 4 BC C			PRO	IFCT	SPECI		OMME	NTS				
ush Other		Bureau Veritas Quote Bureau Veritas Conta		cchus	1	Other		500	OR		PRU	JEUI	GFEGI							
need approv	al from Bureau Veritas	Task Order/Line Ite									Analy	se for	BaP on	ly in n	g/m3.					
	Doug Cunningham		Received by	~		an	V	-					y result			ig@rair	carbo	n.com,		
		10:00	1		Jurcar	w	10				robin	.hart@	raincar tekinc.c	bon.co	m, jeni	nifer.da	vies@	rotekinc	.com,	



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

Sample Date	01-May-25
Project ID	Rain Carbon Canada Ind
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Han

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

Station No.	Sample Date	PUF	Maxxam	Install Date	MAGN On	Removal Date	MAGN Off	Total Volume	Submissio
		Cartridge #	Filter ID #	Install Time	inH2O	Removal Time	inH2O	m3	Date
OTHOLICA	04 May 2025	PUF #1	AOVO91-01	29-Apr-25	20	05-May-25	38	328.8	06-May-25
STN29164	01 May 2025	AOVO92-01	A0V091-01	13:45	38	11:45	30	520.0	00-May-20
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Company Na	me:	Rain Carbor	1	Company N	ame:	Rain Carb	on					IAL		101	u	:16)						
Contact Nam	ie:	Robin Hart		Project Man	ager:	Robin Har	t	START VACUUM (inches of Hg)	(BH			AMBIENT/COMMERCIAL/INDUSTRIAL		FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	13				-
Address:	725 Strat	thearne Avenu	le	Address:	725 Strathe	earne Aven	ue	ches	es of		R	ALIN		(refe	ic Hy	Id F2	ases	A TO				8
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E-mail:	robin.har	t@raincarbon.	.com	E-mail:	robin.hart@	graincarbor	n.com	ICUUN	VACUUM (	OUR	AMBIENT/INDOOR AIR	COMM	SUB-SLAB GAS	OF V	atic/AI	C6-C1	/oc's	PAHs on PUF by EPA TO13	ANALYZE			CANISTERS NOT USED
Ph:	1-647-28	1-8094		Ph:	1-647-281-	8094		TV	ACI	VAP	ITN=	IL	SLAE	LIST	Arom	F1 (	ed V	on F	NOT A			TER
Sampled by:	Robin H	art						STAR	END \	SOIL VAPOUR	AMBIE	AMBIE	SUB-S	FULL	BTEX/	BTEX	Select	PAHs	DO NG			CANIS
		Field Sample	ID		BV PUF ID #	Flow Regulator Serial #	Retrieval Date															
East F	РАН	13-May	PL	JF #1	AQFQ22-01		14-May											x				
North I	PAH	13-May	PU	JF #2	AQFQ23-01		14-May											x				
Old Wes	st PAH	13-May	PL	JF #3	AQFQ24-01		14-May											Х				
South	PAH	13-May	PL	JF #4	AQFQ25-01		14-May				×Ο	1						x				
New Wes	st PAH	13-May	PU	IF #5	AQFQ26-01		14-May		Ľ,		ġ,	N	ONT-	2025	-05-3	269		x				
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STD 10 Busin Rush 5 Busine Rush 2 Busine Rush Other *	ess day *		Name:	Rain Carbon Robin Hart 4500625271			]	EDD Regula	tions	ON 1 ON 4 BC C	19		soil v 2) ple	apour ease lis	dicate c or ambi st all car	ent air histers d	on the c	hain of			re if unused	d
Nush Other			Bureau Verita		Cristina Ba	cchus		Other		BUU	ЛС		PRO	JEGI	SPEC		CIVINE	1113				
* need approv	eed approval from Bureau Veritas Task Order/Line Ite												Analyse for BaP only in ng/m3.									
Client Signature	: Doug Cur	nningham			Received by		he &	ul	un	er	- 1		1		y result							
Date/Time:		-May-25	5	Date/Time:			Bul	an	23/00	5/14	:	daszl	ko@ro	tekinc.	com					ic.com,		
Unless otherwise available at http://	agreed to in w	riting, work subm com/terms-and-co	itted on this Chai anditions	in of Custody is s	subject to Burea	u Veritas Labo	oratories' stand	ard Tern	ns and C	ondition	is. Sigi	ning of t	this Cha			cument is	acknowle	edgment	and acce	ptance of	our terms	
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Sample Date	13-May-25
Project ID	Rain Carbon Canada Ind
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Harl

Purchase Order Number	Rain Carbon/ Robin Hart
Results to:	
Results to:	
Results to:	robin.hart@raincarbon.com
Results to:	york.zhang@raincarbon.com

Station No.	Sample Date	PUF	Maxxam	Install Date	MAGN On	Removal Date	MAGN Off	Total Volume	Submission	
oration no.	oumple bute	Cartridge #	Filter ID #	Install Time	inH2O	Removal Time	inH2O	m3	Submission           Date           15-May-25           15-May-25           15-May-25           15-May-25           15-May-25           15-May-25	
EAST	13 May 2025	AQFQ22-01	AQFQ21-01	12-May-25	38	14-May-25	20	004.0	15.14	
EAST	13 May 2025		AQFQ21-01	12:05	38	09:45	38	334.3	15-May-25	
NORTH	13 May 2025	AQFQ23-01	AQFQ21-01	12-May-25	38	14-May-25		A 4		
NORTH	13 May 2025		AQFQ21-01	11:50	38	10:50	37	317.4	15-May-25	
OLD WEST	13 May 2025	AQFQ24-01	AQFQ21-01	12-May-25	38	14-May-25	38	338.0	45 M. 05	
OLD WEST	13 May 2020		AGEGZI-UI	11:30	30	10:30	30	338.0	10-Iviay-20	
SOUTH	13 May 2025	AQFQ25-01	AQFQ21-01	12-May-25	38	14-May-25	38	321.0	15 May 05	
000111	10 May 2020			10:20	30	09:30	30	521.0	15-IVIAy-25	
NEW WEST	13 May 2025	AQFQ26-01	AQFQ21-01	12-May-25	38	14-May-25	36	318.5	15 May 05	
NEW WEST	10 May 2020			10:55	]	10:10	30	510.5	15-IVIAy-25	
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B UREAU VERITAS	INVOICE	INFORMATI	www.bvlab	ga Ontari	o ,L5N 2L8	Phone: Fax:	: 1-800-668-( : (905) 817-5 : (905) 817-5	700		Cha	in of	Cus	stody Form - PUF / PAH Page _1 of2_ ANALYSIS REQUESTED									
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Company Nar	ne:	Rotek Enviro	onmental Inc	Compar	ny Name:	Rotek Env	nvironmental Ir					IIAL		T01	uou	C16)						
Contact Name	9 <u>:</u>	Paul Daszko	0	Project	Manager:	Paul Dasz	ko	START VACUUM (inches of Hg)	f Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	13				
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E-mail:	poore@r	otekinc.com		E-mail:	jennifer.dav	vies@rotek	inc.com	Inn	) Wr	UR	DOGI	MMO	GAS	DF V	ic/Al	5.0	C's	F by	ALY			.ON
Ph:	905 573			Ph:	905 573 95			VAC	CUI	POI	TIN	IT/C	AB	STO	omat	1 (C	ON P	n PU	AN			ERS
Sampled by:	Robin H			]	000 010 00			TART	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR AIR	MBIEN	SUB-SLAB GAS	זרר	rEX/Ar action:	TEX/F	electer	PAHs on PUF by EPA TO13	DO NOT ANALYZE			CANISTERS NOT USED
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### C556309 2025/05/16 09:53



1 Ha	5 Keefer Court milton, Ontario L8E 4V4
Phone	905 573 9533
Fax	905 578 5167

Sample Date	13-May-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

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

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter (D #	install Date Install Time	MAGN On inH2O	Removal Date	MAGN Off inH2O	Total Volume m3	Submission Date
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Maxxam Analytics CAM FCD-01053/2 Page 1 of 1

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		Internal S	Sample Re	ceipt Fo	rm	
	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Bottles	Comments
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6						
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11		2 8				
12						
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14						U U
15					-	
	Received by (Signature & Print):	Date	Time	Cooler ID	Temperature	Custody seal     Custody Seal     Ice Present       Present     Intact     Ice Present       YES     NO     YES     NO
~	man	Luar M	8 1915		21/20/15	

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															CAM F	CD-0130	2 /3
	6740 Campobello R Mississauga Ontario			1-800-668-0 (905) 817-5		CHAIN OF CUSTODY FOR	RM - Alf	र								Page _	of
VERIVAS.	www.bvlabs.com		Fax:	(905) 817-5	777							ANALY	SIS RE	QUEST	ED		
CLIENT	Company Name: Rain Can	bon Canada Inc.				PAHs on PUF as per ERP 7013		l.		2		-					
INFORMATION	Project Manager: Robin Ha					_											
Į		t@raincarbon.com				_		8						1			
	Address: 725Strat							27	a .			1					
SECTION	Hamilton	, ON	·			4										6	
	Phone: 1-647-28	1-8094	Fax:			4						l	1		6		
	Sampled by: Robin Ha	art			£					K.			а С	3			
Field Sample ID		Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time												
East Monitor PAH May 25	2025 AQFR39-01	336,30		25-May-25	24 hours	X											
North Monitor PAH May 2	5, 2025 AQFR40-01	324.20		25-May-25	24 hours	x											
Old West Monitor PAH Ma	y 25, 2025 AQFR41-01	337.60		25-May-25	24 hours	x											
South Monitor PAH May 2	5, 2025 AQFR42-01	317.20		25-May-25	24 hours	x	11 5452 B				1	¥.					
New West Monitor PAH N	ay 25, 2025 AQFR43-01	326,00		25-May-25	24 hours	x		•									
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						<u> </u>											
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STD 10 Business day Rush 5 Business day * Rush 2 Business day * * need approval from Burn Veritas	Project #:           Name:         Rain Car           PO #:         4500625           sau         BV Quot           BV Cont         BV Cont	bon Canada Inc.		Summary R	-				Please If subm jar opei	note if itting du ning in c CT SPE	stfall s m.	amples,	, please				
	Hart Imental Engineer Aay-25 5:00 PM	Affiliation: Date/Time:			ma-		-										
						ns and Conditions. Signing of this Chain of	Custody do	cument k	acknowle	edgment a	nd acce	pfance of	f our terms	: available	at http://	ww.bvlab	s.com/terms-



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ALL VIE			Frank	110															CAM	FCD-01	302 /3		
EUREAU			6740 Cam Mississau		d ,L5N 2L8		1-800-668- (905) 817-5			Cha	in of	Cus	stody	Forn	ı - PUF	/ PA	Н			Page _	_1 of	2_	
VERITAS	INNIOIOF		www.bvlat	os.com	DEDORT	Fax: NFORMATI	(905) 817-5	5777	1	1	1								REQUESTED				
	INVOICE										No.			5A)									
Company Nar	ne:	Rotek Enviro	nmental Inc	Compar	y Name:	Rotek Env	ironmental l					TRIAL		e TO1	arbon	0-C16)	fy						
Contact Name	э:	Paul Daszko		Project	ko	of H	(bH			Sno	100	renc	Iroce	(C1(	peci	3							
Address:	15 Keefe	er Court Hamilto	on	Address	15 Keefer (	Court Hamil	ton	START VACUUM (inches of Hg)	VACUUM (inches of Hg)		AIR	AMBIENT/COMMERCIAL/INDUSTRIAL		FULL LIST OF VOCs (reference T015A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	EPA TO13				USED	
	ON L8E	4V4			ON L8E 4V	/4		M (ir	inch		OR	IERO		ő	lipha	0) a	- ple	V EP	ZE			TU	
E-mail:	poore@r	otekinc.com		E-mail:	jennifer.dav	vies@roteki	nc.com	ACUUI	NUN (	OUR	AMBIENT/INDOOR AIR	COMM	SUB-SLAB GAS	L OF V	natic/Al	C6-C1	/oc's	PAHs on PUF by	DO NOT ANALYZE			CANISTERS NOT	
Ph:	905 573	9533		Ph:	905 573 95	33		TVI	IAC	VAP	INE	TNE	SLAI	LIS 1	Aron	F1 (	be	on	DTA			TEF	
Sampled by:	Robin H	art		-				STAR	END	SOIL VAPOUR	AMBI	AMBIE	SUB-6	FULL	BTEX/	BTEX	Select	PAHs	DO NO			CANIS	
	Fi	eld Sample ID			BV PUF ID #	Flow Regulator Serial #	Retrieval Date																
STN29	164	25-May-25	PUF	- #1	APTU31-01		26 May 25											X					
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Rush 2 Busine Rush Other *	ess day *		PO #: Bureau Veri	32669	<i>٤</i> .					ON 4 BC C													
Rush Other				Cristina Ba	cchus		Other		BCC	SK		PRO	JECI	SPEC		OWWE	NI5						
* need approv	al from Bu	ureau Veritas	Task Orde					e uner					Anal	/se foi	BaPo	nlv in n	a/m3						
Client Signature		and the second se			Received by:	~		150	0	~			Analyse for BaP only in ng/m3. Please copy results to york.zhang@raincarbon.com,										
Date/Time:		y 27 2025	015	5.									robin.hart@raincarbon.com, jennifer.davies@rotekinc.com, daszko@rotekinc.com										
Unless otherwise	agreed to in v	writing, work submit	tted on this Ch			Bureau Verita:	s Laboratories'	standard	Terms a	and Con	ditions.	Signir				and the second se	ent is acki	nowledgr	nent and	acceptanc	e of our t	erms	
available at http://	www.bvlabs.	com/terms-and-con	nditions								111				-,)	NT	en	11					
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15 Keefer Court Hamilton, Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

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

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

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter ID #	Install Date Install Time	MAGN On inH2O	Removal Date Removal Time	MAGN Off inH2O	Total Volume m3	Submission Date
STN20464	25 May 2025	PUF #1	APTU30-01	23-May-25	38	26-May-25	24	247.6	27 May 25
STN29164	25 May 2025	APTU31-01	AF1030-01	14:30	30	13:00	34	317.6	27-May-25
Com	ment 1 :								
Com	ment 2 :								

				pobello Rd ga Ontario ,L5	N 2L8	Toll Fre    Phor	Iulian To IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		9	811				orm	ı - Sun	nma™	Canis	ster	CAM FCD Pa	0-01302 /3 ge _2_ o	
VERITAS		FORMATIC	www.bvlat	s.com	DEDODT	Fa		4.775	001						-		ANAL	YSIS RI	EQUESTE	2	1
	INVOICE	FORMATIC	JN		REPORT	NFORMA	. V	AIR-	001	1		1		5A)							
Company Nan	ne: I	Rain Carbon		Company N	ame:	Rain Carb	on		14	1	182	IAL	2	101	5	:16)					120
Contact Name	9:I	Robin Hart		Project Man	ager:	Robin Har	t	START VACUUM (inches of Hg)	(BH		18	AMBIENT/COMMERCIAL/INDUSTRIAL		FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify				
Address:	725 Strathe	arne Avenu	e	Address:	725 Strathe	earne Aveni	ue	ches	to se		¥	ALUN		(refe	th J	Id F2	ase	az			
	Hamilton, C	N		1	Hamilton, C		I (inc	nche	Series	DRA	ERCI		ocs	iphat	0) an	- ple	unaly			TUS	
E-mail:	robin.hart@	raincarbon.	com	E-mail:	robin.hart@	graincarbon	.com	ACUUN	END VACUUM (inches of Hg)	VAPOUR	AMBIENT/INDOOR AIR	COMM	SUB-SLAB GAS	T OF V	natic/Al	C6-C1	/0C's	Other - Do Not Analyze			CANISTERS NOT USED
Ph:	1-647-281-	8094		Ph:	1-647-281-	8094		1 K	AC	AP	TNE	TNE	I.A	.SIT	Aron	E	pa	, ă			IEI
Sampled by:	Robin Har			-				STAR	END V	SOIL	AMBIE	AMBIE	S-BUB-S	FULL	BTEX	BTEX	Select	Other			CANIS
	Fi	eld Sample	D		Canister Serial #	Flow Regulator Serial #	Retrieval Date					18									
East V	OC	01-May			14076		02-May							1	5. 5.		x			-	
North V	/0C	01-May			7839		02-May										x				
							- OL Milly		1												- nest
Old West	t VOC	01-May			27640		02-May	_		1							X				
South V	VOC	01-May			17187		02-May										x			_	
New Wes	t VOC	01-May			32577		02-May										x				
New West		01-May			17186		02-May				1011							X			Nº. P
TAT Requirem GTD 10 Busine Rush 5 Busine Rush 2 Busine	ess day ess day *		Project # Name	Rain Carbon Robin Hart 4500625271			REPORTI	EDD Regula	2	ON 1 ON 4	53 19		soil v 2) ple	ase in apour ase lis	or ambi at all car	ent air histers d	on the c	chain of	our sample custody ev		ied
Rush Other *			- Colorador - Color	itas Quote #: itas Contact:	Cristina Ba	cchus		Other		BC C	SR		1.		SPEC e Sumi				upon rece	eipt.	
* need approv	al from Bure	au Veritas	Task Orde	er/Line Item									Ana	lyse fo	or Benz	ene on	ly in ug	g/m³.			
Client Signature	102-5 T. 1992				Received by	$\sim$		MA	M	a	~		Plea	ise co in.har	py resu t@raind	Its to y arbon.	ork.zh	ang@ra	incarbon. davies@ro		om,
Date/Time:	06-N	lay-25	10:0	0	Date/Time:	6	she	5	SIC	571	16	1005	das	zko@r	otekind	.com					

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## VOC Canister Sample Submission Sheet

Sample Date	01-May-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
Number	Number	dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST					
STN29164	14891	01-May-25	29-Apr-25	13:45	-30.0	00:01	23:59	24.0	-9.0	05-May-25	11:30					
	Comment 1	:														
	Comment 2	:														

				N N	06-May	-25 1	0:05												
					Cristina (Ma	ria) B	acch	us								((	CAM FC	D-01302 /3	3
		6740 Campobello Rd	E J	Toll Free:	C55063		#18				dy	Form	- Sun	nma™	Canis	ster	Р	age _2 c	of2_
BUREAU		Mississauga Ontario , www.bylabs.com	L5N 2L8	Phone: Fax:	C22002	4									ANAL	YSIS RE	EQUESTE	ED	
	INVOICE INFORMATIO		REPORTI	NFORMATIC	AIR	-001					10	æ							12
Company Nan	ne: Rotek Environ	mental Inc Company	Name:	Rotek Envi	ronmental Inc				exa i	INL		T015A)	uo	:16)					
Contact Name	e: Paul Daszko	Project Ma	anager:	Paul Daszk	0	of Hg)	of Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		(reference	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify				
Address:	15 Keefer Court Hamilton	n Address:	15 Keefer	Court Hamilt	on	iches			AIR	INLIN		s (refe	stic Hy	nd F2	ease s	yze			SED
	ON L8E 4V4		ON L8E 4	/4		N (ir	inch		OR	IERO		vocs	liph	(0) a	đ	Anal			U T U
E-mail:	poore@rotekinc.com	E-mail:	jennifer.da	avies@roteki	nc.com	VACUUM (inches	VACUUM (inches	VAPOUR	ODNI	COMIN	8 GAS	P	atic/A	C6-C1	/0C's	Do Not Analyze			SS NO
Ph:	905 573 9533	Ph:	905 573 95	533		TV	ACI	AP	IN	INS	ILAE	LIST	Aron	F1 (	pa /				STEF
Sampled by:	Robin Hart					START	END	SOIL	AMBIENT/INDOOR AIR	AMBIE	SUB-SLAB	FULL	BTEX	BTEX	Select	Other			CANISTERS NOT USED
	Field Sample ID		Canister Serial #	Flow Regulator Serial #	Retrieval Date	8) <sub>5</sub>	ä		4										
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STN29	164 01-May-25		14891		05-May-25		1.2	1			13.	7			X				
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TAT Requiren	nent	PROJECT INFORMA	TION		REPORTING REQU	JIREWI	IN 15						dicate o	n chair	of cus	todv if v	our samp	les are	
STD 10 Busine	ess day 🗹	Project #:				EDD							or ambi						-
Rush 5 Busine		Name: Rain Carb	on Canada Ir	nc		Regula	ations	ON 1		2	2) ple	ease lis	st all car	nisters o	on the c	hain of	custody e	even if unu	sed
Rush 2 Busine		PO #: 32669						ON 4							_				
Rush Other *		Bureau Veritas Quote #:	-			72697		BC C	SR		March 1992		SPEC						
		Bureau Veritas Contact:	Cristina Ba	icchus		Other					1000						upon rec	ceipt.	
* need approv	val from Bureau Veritas	Task Order/Line Item						01	-		Ana	lyse f	or Benz	ene on	ly in ug	ŋ/m³.			
Client Signature	: Doug Cunningham		Received b	$\sim$	$\sim$	m	21	1-15	0		Plea	ase co	py resu	its to y	ork.zha	ang@ra	incarbon	.com,	
Date/Time:	May 6 2025	10:00	Date/Time		215/0706		00	5	26		das	zko@r	oteking	.com				rotekinc.c	
	agreed to in writing, work submitt com/terms-and-conditions	ted on this Chain of Custody	is subject to Bu	reau Veritas La	boratories' standard Term	ns and Co	onditions.	Signin	g of this	Chain	of Cust	ody doc	ument is a	icknowlei	dgment a	nd accept	ance of our	terms availat	ble at

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1					16	-May-2	5 10:	00													
		6740 Campob	ello Rd		Julian T		1111 211				5	tody	Form	- Sun	nma™	Canis	ster	CAM FO	CD-013 Page _:		2
BUREAU		Mississauga C		N 2L8	C55	56169		~	~			1									
C.C.C.C.C.C.	INVOICE INFORMATIC		3111	REPORT	1V	AIR-00	11	5	$\supset$		. 1		2			ANAL	TSISR	EQUEST	IED		
Company Nar	me: Rain Carbon	Co	mpany Na		Rain Carbo		1			1	14		0154	-	(9						
Contact Name	e: Robin Hart	Pr	oject Mana	iger:	Robin Har	t	START VACUUM (inches of Hg)	(6H			AMBIENT/COMMERCIAL/INDUSTRIAL		FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify					
Address:	725 Strathearne Avenu	e Ad	idress:	725 Strathe	earne Aven	ue	ches	is of		×	AL/IN		(refe	ic Hyo	d F2	ase s	ЭZ				a
	Hamilton, ON				M (in	inche	10	OR AI	AERCI		VOCs	liphat	10) an	- ple:	Analy				T US		
E-mail:	robin.hart@raincarbon.	com E-I	mail:	robin.hart@	.com	ICUU	MUL	DUR	AMBIENT/INDOOR AIR	COMIN	3 GAS	OF /	atic/A	C6-C1	'OC's	Not				IS NO	
Ph:	1-647-281-8094	Ph	:	1-647-281-	8094		TVA	ACI	VAPOUR	ENT/	ENTI	SLAE	LIS1	Arom	F1 (	led V	-Do				TER
Sampled by:	Robin Hart						STAR	END VACUUM (inches of Hg)	SOIL	AMBII	AMBI	SUB-SLAB GAS	ILL	3TEX/	BTEX	Select	Other - Do Not Analyze				CANISTERS NOT USED
	Field Sample I	D		Canister Serial #	Flow Regulator Serial #	Retrieval Date															
East V	/OC 13-May			14544		14-May										x					
North	VOC 13-May			10325		14-May				1						x					
						14 may				1											
Old Wes	t VOC 13-May			18264		14-May				-	11.0-					X				_	
South	VOC 13-May			27667		14-May										x					
New Wes	st VOC 13-May			23455		14-May										x			-	-	
								0.5													
TAT Requiren	nent	PROJECT INF	ORMATIC	N		REPORTI	NG RE		MENT	8		Note	e	L							
STD 10 Busine Rush 5 Busine Rush 2 Busine Rush Other *	ess day 🛛	Project #: Ra Name: Ro PO #: 450 Bureau Veritas Bureau Veritas	in Carbon ( bin Hart 00625271 Quote #:		-	]	EDD Regula		ON 1 ON 4 BC C	53 19		1) ple soil v 2) ple PRO	ase ind apour d ase lis	or ambie t all can SPEC	ent air histers c IFIC C	on the c OMME	hain of	our samp custody	even if		d
* need approv	/al from Bureau Veritas	Task Order/Lir		Consuna Ba	cenus	1	Other							e Sumr or Benz				upon re	iceipt		
Den Constant	: Doug Cunningham	Train Order/Li	io nom	Received by		An	Cín	dy	Vonc			1.00						aincarbo	n.com		
Date/Time:	16-May-25	9:45		Date/Time:	(21202)	for ;	2025	5/05	116	10:0		rob das	in.hart zko@r	@rainc	arbon. .com	com, je	ennifer.	davies@	groteki	nc.con	۱.
	agreed to in writing, work submi /www.bvlabs.com/terms-and-co		f Custody is s	ubject to Burea	u Veritas Labo	ratories' stand	lard Term	is and C	ondition	s. Sign	ing of t	his Chai	n of Cus	tody docu	ment is a	cknowled	dgment ai	nd accepta	ince of ou	ır terms	

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## VOC Canister Sample Submission Sheet

Sample Date	13-May-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	1472	13-May-25	08-May-25	14:30	-30.0	00:01	23:59	24.0	-9.0	14-May-25	15:15
	Comment 1										
	Comment 2	:									

1		16-May-	25 10:00																
600		Cristina (Mari	a) Bacch	us													CAM F	CD-01302	/3
		C556153		14.1 14.227	368-0639 17-5700			Cha	in of	Cus	tody	Forn	ı - Sur	nma™	Canis			Page _2	of _2_
EVERITA S	INVOICE INFORMATIO		001	0	17-5777					1					ANAL	YSIS RI	EQUES	TED	
-		5 O				- 53	1.		172			ISA)							
Company Nar	me: Rotek Enviro	onmental Inc Company	Name:	Rotek Envi	ronmental Inc			120		SIAL	15	10	nod	C16)					
Contact Name	e: Paul Daszko	Project M	anager:	Paul Daszk	0	START VACUUM (inches of Hg)	(6H			AMBIENT/COMMERCIAL/INDUSTRIAL	15	FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify				
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CLIENT NAME: Rain Carbon Canada Inc.

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	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Bottles			Com	nents		
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	By Cindy Vong	2025/05/28	14:15	Z		1120	V	1123	V	163	V

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

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## VOC Canister Sample Submission Sheet

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

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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
	Number	dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST
STN29164	305	25-May-25	21-May-25	14:15	-30.0	00:01	23:59	24.0	-9.0	26-May-25	13:10
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		6740 Campobello Rd Mississauga Ontario , www.bylabs.com	anna ann an Airteanna an Airtean Taoinn an Airteanna a	Phone: Fax:	1-800-668-0 <b>       </b> (905) 817-57 (905) 817-57	Cristin C5	a (M 11111 607			cchu I	.s		Sun	nma™	Canis ANAL	ster	annan ei	D-01302 /3 'age _2 c ED	
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	agreed to in writing, work submi .com/terms-and-conditions	tted on this Chain of Custody	is subject to Bu	ireau Veritas La	boratories' standard Terr	ms and Cl	onditions	Signin	g of thi	s Chain	of Cus	tody doc	cument is a	acknowle	dgment a	nd accepte	ance of our	r terms availal	ble at

CLIENT NAME: Rain Carton

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

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* need approval fr	om Bureau Veritas Task Or	ler/Line Item																		
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June 2025

APPENDIX D

Certificates of Analysis



Your P.O. #: 4500625271 Your Project #: RAIN CARBON Your C.O.C. #: N/A

#### Attention: Robin Hart

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

> Report Date: 2025/05/16 Report #: R8539939 Version: 1 - Final

#### **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C550916 Received: 2025/05/06, 10:05

Sample Matrix: Polyurethane Foam # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/05/06	2025/05/06	5 BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	2	2025/05/07	2025/05/15	6 BRL SOP-00201	CARB429(ARBM1,M2)mod
PAH's in MM5 SamplingTrains (CARB429mod) (1)	3	2025/05/07	2025/05/16	5 BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/05/06	5	

#### Remarks:

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

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

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

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

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

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

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

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

Page 1 of 9

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



Your P.O. #: 4500625271 Your Project #: RAIN CARBON Your C.O.C. #: N/A

#### Attention: Robin Hart

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

> Report Date: 2025/05/16 Report #: R8539939 Version: 1 - Final

#### **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C550916 Received: 2025/05/06, 10:05

**Encryption Key** 

Julian Tong Project Manager Assistant 16 May 2025 17:03:00 1

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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> Total Cover Pages : 2 Page 2 of 9 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



#### **RESULTS OF ANALYSES OF POLYURETHANE FOAM**

Bureau Veritas ID		AQPD79	AQPD80	AQPD81	AQPD82	
Sampling Date		2025/05/01	2025/05/01	2025/05/01	2025/05/01	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST PAH 01-MAY PUF#1	NORTH PAH 01-MAY PUF#2	OLD WEST PAH 01-MAY PUF#3	SOUTH PAH 01-MAY PUF#4	QC Batch
Volume	m3	329.1	319.2	334.6	323.6	ONSITE
QC Batch = Quality Cont	rol Batch			•	•	

Bureau Veritas ID		AQPD83	
Sampling Date		2025/05/01	
COC Number		N/A	
	UNITS	NEW WEST PAH 01-MAY PUF#5	QC Batch
Volume	m3	320.2	ONSITE
QC Batch = Quality Control Ba	atch		

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### SEMI-VOLATILE ORGANICS BY GC-MS (POLYURETHANE FOAM)

Bureau Veritas ID		AQPD79	AQPD80	AQPD81	AQPD82		
Sampling Date		2025/05/01	2025/05/01	2025/05/01	2025/05/01		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST PAH 01-MAY PUF#1	NORTH PAH 01-MAY PUF#2	OLD WEST PAH 01-MAY PUF#3	SOUTH PAH 01-MAY PUF#4	RDL	QC Batch
Semivolatile Organics	· ·						
Benzo(a)pyrene	ug	<0.10	<0.10	0.14	0.18	0.10	9924028
Surrogate Recovery (%)			·	·	•		
D10-2-Methylnaphthalene	%	70	68	78	84		9924028
D10-Anthracene	%	74	72	74	74		9924028
D10-Fluoranthene	%	94	88	86	88		9924028
D10-Fluorene (FS)	%	80	78	82	84		9924028
D10-Phenanthrene	%	88	86	88	88		9924028
D12-Benzo(a)anthracene	%	102	98	100	102		9924028
D12-Benzo(a)pyrene	%	72	68	74	66		9924028
D12-Benzo(b)fluoranthene	%	98	94	96	106		9924028
D12-Benzo(ghi)perylene	%	92	88	92	94		9924028
D12-Benzo(k)fluoranthene	%	96	92	94	90		9924028
D12-Chrysene	%	102	100	100	100		9924028
D12-Indeno(1,2,3-cd)pyrene	%	90	88	90	92		9924028
D12-Perylene	%	94	90	94	92		9924028
D14-Dibenzo(a,h)anthracene	%	92	90	94	96		9924028
D14-Terphenyl (FS)	%	102	92	90	92		9924028
D8-Acenaphthylene	%	72	70	78	84		9924028
D8-Naphthalene	%	66	64	64	70		9924028

QC Batch = Quality Control Batch



### SEMI-VOLATILE ORGANICS BY GC-MS (POLYURETHANE FOAM)

Bureau Veritas ID		AQPD83		
Sampling Date		2025/05/01		
COC Number		N/A		
	UNITS	NEW WEST PAH 01-MAY PUF#5	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	0.24	0.10	9924028
Surrogate Recovery (%)			•	
D10-2-Methylnaphthalene	%	78		9924028
D10-Anthracene	%	76		9924028
D10-Fluoranthene	%	90		9924028
D10-Fluorene (FS)	%	42 (1)		9924028
D10-Phenanthrene	%	88		9924028
D12-Benzo(a)anthracene	%	98		9924028
D12-Benzo(a)pyrene	%	72		9924028
D12-Benzo(b)fluoranthene	%	94		9924028
D12-Benzo(ghi)perylene	%	92		9924028
D12-Benzo(k)fluoranthene	%	94		9924028
D12-Chrysene	%	98		9924028
D12-Indeno(1,2,3-cd)pyrene	%	90		9924028
D12-Perylene	%	92		9924028
D14-Dibenzo(a,h)anthracene	%	90		9924028
D14-Terphenyl (FS)	%	96		9924028
D8-Acenaphthylene	%	78		9924028
D8-Naphthalene	%	74		9924028
RDL = Reportable Detection Lin QC Batch = Quality Control Bat				

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

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### CALCULATED SEMIVOLATILE ORGANICS (POLYURETHANE FOAM)

Bureau Veritas ID		AQPD79		AQPD80		AQPD81		
Sampling Date		2025/05/01		2025/05/01		2025/05/01		
COC Number		N/A		N/A		N/A		
	UNITS	EAST PAH 01-MAY PUF#1	RDL	NORTH PAH 01-MAY PUF#2	RDL	OLD WEST PAH 01-MAY PUF#3	RDL	QC Batch
Calculated Parameters	; ;							
Benzo(a)pyrene	ug/m3	<0.00030	0.00030	<0.00031	0.00031	0.00042	0.00030	9923499
RDL = Reportable Dete	ction Limit		· ·				•	

QC Batch = Quality Control Batch

Bureau Veritas ID		AQPD82	AQPD83		
Sampling Date		2025/05/01	2025/05/01		
COC Number		N/A	N/A		
	UNITS	SOUTH PAH 01-MAY PUF#4	NEW WEST PAH 01-MAY PUF#5	RDL	QC Batch
Calculated Parameters					
Calculated Parameters Benzo(a)pyrene	ug/m3	0.00056	0.00075	0.00031	9923499



### **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limi
9924028	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/05/15		58	%	50 - 15
			D10-Fluoranthene	2025/05/15		84	%	50 - 15
			D10-Phenanthrene	2025/05/15		76	%	50 - 15
			D12-Benzo(a)anthracene	2025/05/15		96	%	50 - 15
			D12-Benzo(a)pyrene	2025/05/15		76	%	50 - 15
			D12-Benzo(b)fluoranthene	2025/05/15		94	%	50 - 15
			D12-Benzo(ghi)perylene	2025/05/15		94	%	50 - 15
			D12-Benzo(k)fluoranthene	2025/05/15		94	%	50 - 15
			D12-Chrysene	2025/05/15		100	%	50 - 15
			D12-Indeno(1,2,3-cd)pyrene	2025/05/15		92	%	50 - 15
			D12-Perylene	2025/05/15		96	%	50 - 1
			D14-Dibenzo(a,h)anthracene	2025/05/15		92	%	50 - 1
			D8-Acenaphthylene	2025/05/15		60	%	50 - 1
			D8-Naphthalene	2025/05/15		60	%	50 - 1
			Benzo(a)pyrene	2025/05/15		80	%	50 - 1
9924028	MPQ	RPD	Benzo(a)pyrene	2025/05/15	0		%	50
9924028	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/05/15		84	%	50 - 1
			D10-Fluoranthene	2025/05/15		92	%	50 - 1
			D10-Phenanthrene	2025/05/15		90	%	50 - 1
			D12-Benzo(a)anthracene	2025/05/15		96	%	50 - 1
			D12-Benzo(a)pyrene	2025/05/15		78	%	50 - 1
			D12-Benzo(b)fluoranthene	2025/05/15		96	%	50 - 1
			D12-Benzo(ghi)perylene	2025/05/15		94	%	50 - 1
			D12-Benzo(k)fluoranthene	2025/05/15		96	%	50 - 1
			D12-Chrysene	2025/05/15		102	%	50 - 1
			D12-Indeno(1,2,3-cd)pyrene	2025/05/15		90	%	50 - 1
			D12-Perylene	2025/05/15		98	%	50 - 1
			D14-Dibenzo(a,h)anthracene	2025/05/15		90	%	50 - 1
			D8-Acenaphthylene	2025/05/15		84	%	50 - 1
			D8-Naphthalene	2025/05/15		80	%	50 - 1
			Benzo(a)pyrene	2025/05/15	<0.10		ug	

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

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

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

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



#### VALIDATION SIGNATURE PAGE

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

(riotina Bacchus

Cristina (Maria) Bacchus, Project Manager

M Di Grazia

Melissa DiGrazia, Operations Manager, HRMS Department

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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: 2025/05/16 Report #: R8539944 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C550809 Received: 2025/05/06, 10:05

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/05/06	2025/05/06	5 BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/05/07	2025/05/15	5 BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/05/06	5	

#### Remarks:

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

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

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

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

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

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

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

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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: 2025/05/16 Report #: R8539944 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C550809 Received: 2025/05/06, 10:05

**Encryption Key** 



Bureau Veritas 16 May 2025 15:18:46

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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# **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AQOY32						
Sampling Date		2025/05/01						
COC Number		N/A						
	UNITS	STN29164 01-MAY-25 PUF#1	QC Batch					
Volume	m3	328.8	ONSITE					
QC Batch = Quality Control Batch								

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# SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		AQOY32		
Sampling Date		2025/05/01		
COC Number		N/A		
	UNITS	STN29164 01-MAY-25 PUF#1	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9924028
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	58		9924028
D10-Anthracene	%	68		9924028
D10-Fluoranthene	%	88		9924028
D10-Phenanthrene	%	80		9924028
D12-Benzo(a)anthracene	%	92		9924028
D12-Benzo(a)pyrene	%	66		9924028
D12-Benzo(b)fluoranthene	%	92		9924028
D12-Benzo(ghi)perylene	%	88		9924028
D12-Benzo(k)fluoranthene	%	92		9924028
D12-Chrysene	%	98		9924028
D12-Indeno(1,2,3-cd)pyrene	%	86		9924028
D12-Perylene	%	90		9924028
D14-Dibenzo(a,h)anthracene	%	86		9924028
D14-Terphenyl (FS)	%	90		9924028
D8-Acenaphthylene	%	60		9924028
	%	56		9924028

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# CALCULATED SEMIVOLATILE ORGANICS (AIR)

Burnan Maritas ID		100/22		
Bureau Veritas ID		AQOY32		
Sampling Date		2025/05/01		
COC Number		N/A		
	UNITS	STN29164 01-MAY-25 PUF#1	RDL	QC Batch
Calculated Parameters				
Benzo(a)pyrene	ng/m3	<0.30	0.30	9923499
RDL = Reportable Detection L	imit			
QC Batch = Quality Control Ba	atch			

Page 5 of 8 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



# **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limit
924028	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/05/15		58	%	50 - 150
			D10-Fluoranthene	2025/05/15		84	%	50 - 150
			D10-Phenanthrene	2025/05/15		76	%	50 - 150
			D12-Benzo(a)anthracene	2025/05/15		96	%	50 - 150
			D12-Benzo(a)pyrene	2025/05/15		76	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/05/15		94	%	50 - 150
			D12-Benzo(ghi)perylene	2025/05/15		94	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/05/15		94	%	50 - 150
			D12-Chrysene	2025/05/15		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/05/15		92	%	50 - 150
			D12-Perylene	2025/05/15		96	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/05/15		92	%	50 - 150
			D8-Acenaphthylene	2025/05/15		60	%	50 - 150
			D8-Naphthalene	2025/05/15		60	%	50 - 15
			Benzo(a)pyrene	2025/05/15		80	%	50 - 15
924028	MPQ	RPD	Benzo(a)pyrene	2025/05/15	0		%	50
924028	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/05/15		84	%	50 - 15
			D10-Fluoranthene	2025/05/15		92	%	50 - 15
			D10-Phenanthrene	2025/05/15		90	%	50 - 15
			D12-Benzo(a)anthracene	2025/05/15		96	%	50 - 15
			D12-Benzo(a)pyrene	2025/05/15		78	%	50 - 15
			D12-Benzo(b)fluoranthene	2025/05/15		96	%	50 - 15
			D12-Benzo(ghi)perylene	2025/05/15		94	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/05/15		96	%	50 - 150
			D12-Chrysene	2025/05/15		102	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/05/15		90	%	50 - 15
			D12-Perylene	2025/05/15		98	%	50 - 15
			D14-Dibenzo(a,h)anthracene	2025/05/15		90	%	50 - 15
			D8-Acenaphthylene	2025/05/15		84	%	50 - 150
			D8-Naphthalene	2025/05/15		80	%	50 - 150
			Benzo(a)pyrene	2025/05/15	<0.10		ug	

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

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

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

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



#### VALIDATION SIGNATURE PAGE

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

(riotina Bacchus

Cristina (Maria) Bacchus, Project Manager

M Di Grazia

Melissa DiGrazia, Operations Manager, HRMS Department

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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: 2025/05/27 Report #: R8545611 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C556307 Received: 2025/05/16, 09:53

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/05/16	2025/05/23	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/05/17	2025/05/23	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/05/16		

### Remarks:

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

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

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

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

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

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

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

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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: 2025/05/27 Report #: R8545611 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C556307 Received: 2025/05/16, 09:53

**Encryption Key** 

Julian Tong Project Manager Assistant 27 May 2025 13:05:10 1

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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> Total Cover Pages : 2 Page 2 of 9 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



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

Bureau Veritas ID		AQYP86	AQYP87	AQYP88	AQYP89	
Sampling Date		2025/05/13	2025/05/13	2025/05/13	2025/05/13	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST PAH 13-MAY PUF #1	NORTH PAH 13-MAY PUF #2	OLD WEST PAH 13-MAY PUF #3	SOUTH PAH 13-MAY PUF #4	QC Batch
Volume	m3	334.3	317.4	338.0	321.0	ONSITE

Bureau Veritas ID		AQYP90					
Sampling Date		2025/05/13					
COC Number		N/A					
	UNITS	NEW WEST PAH 13-MAY PUF #5	QC Batch				
Volume	m3	318.5	ONSITE				
QC Batch = Quality Control Batch							

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

Bureau Veritas ID		AQYP86	AQYP87	AQYP88	AQYP89		
Sampling Date		2025/05/13	2025/05/13	2025/05/13	2025/05/13		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST PAH 13-MAY PUF #1	NORTH PAH 13-MAY PUF #2	OLD WEST PAH 13-MAY PUF #3	SOUTH PAH 13-MAY PUF #4	RDL	QC Batch
Semivolatile Organics						-	
Benzo(a)pyrene	ug	0.12	<0.10	0.56	0.20	0.10	9931028
Surrogate Recovery (%)				•	•		
D10-2-Methylnaphthalene	%	74	72	92	80		9931028
D10-Fluoranthene	%	84	78	84	76		9931028
D10-Fluorene (FS)	%	40 (1)	68	56	62		9931028
D10-Phenanthrene	%	84	80	88	78		9931028
D12-Benzo(a)anthracene	%	94	96	94	92		9931028
D12-Benzo(a)pyrene	%	64	62	64	62		9931028
D12-Benzo(b)fluoranthene	%	90	94	90	90		9931028
D12-Benzo(ghi)perylene	%	88	86	86	84		9931028
D12-Benzo(k)fluoranthene	%	88	82	86	82		9931028
D12-Chrysene	%	94	94	90	90		9931028
D12-Indeno(1,2,3-cd)pyrene	%	86	84	86	82		9931028
D12-Perylene	%	84	84	86	82		9931028
D14-Dibenzo(a,h)anthracene	%	88	86	88	84		9931028
D14-Terphenyl (FS)	%	84	78	86	76		9931028
D8-Acenaphthylene	%	72	70	84	76		9931028
D8-Naphthalene	%	72	72	90	80		9931028

QC Batch = Quality Control Batch

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



Bureau Veritas ID		AQYP90		
Sampling Date		2025/05/13		
COC Number		N/A		
	UNITS	NEW WEST PAH 13-MAY PUF #5	RDL	QC Batch
Semivolatile Organics	<u> </u>			
Benzo(a)pyrene	ug	0.28	0.10	9931028
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	76		9931028
D10-Fluoranthene	%	82		9931028
D10-Fluorene (FS)	%	58		9931028
D10-Phenanthrene	%	84		9931028
D12-Benzo(a)anthracene	%	94		9931028
D12-Benzo(a)pyrene	%	62		9931028
D12-Benzo(b)fluoranthene	%	92		9931028
D12-Benzo(ghi)perylene	%	86		9931028
D12-Benzo(k)fluoranthene	%	84		9931028
D12-Chrysene	%	92		9931028
D12-Indeno(1,2,3-cd)pyrene	%	84		9931028
D12-Perylene	%	84		9931028
D14-Dibenzo(a,h)anthracene	%	86		9931028
D14-Terphenyl (FS)	%	84		9931028
D8-Acenaphthylene	%	74		9931028
D8-Naphthalene	%	76		9931028

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



# CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		AQYP86		AQYP87		AQYP88		
Sampling Date		2025/05/13		2025/05/13		2025/05/13		
COC Number		N/A		N/A		N/A		
	UNITS	EAST PAH 13-MAY PUF #1	RDL	NORTH PAH 13-MAY PUF #2	RDL	OLD WEST PAH 13-MAY PUF #3	RDL	QC Batch
<b>Calculated Parameters</b>								
Benzo(a)pyrene	ug/m3	0.00036	0.00030	<0.00032	0.00032	0.00166	0.00030	9930786
RDL = Reportable Detec								

QC Batch = Quality Control Batch

Bureau Veritas ID		AQYP89	AQYP90							
Sampling Date		2025/05/13	2025/05/13							
COC Number		N/A	N/A							
	UNITS	SOUTH PAH 13-MAY PUF #4	NEW WEST PAH 13-MAY PUF #5	RDL	QC Batch					
Calculated Parameters										
Benzo(a)pyrene ug/m3 0.00062 0.00088 0.00031 9930786										
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



# **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9931028	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/05/22		72	%	50 - 150
			D10-Fluoranthene	2025/05/22		78	%	50 - 150
			D10-Phenanthrene	2025/05/22		78	%	50 - 150
			D12-Benzo(a)anthracene	2025/05/22		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/05/22		66	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/05/22		86	%	50 - 150
			D12-Benzo(ghi)perylene	2025/05/22		82	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/05/22		80	%	50 - 150
			D12-Chrysene	2025/05/22		86	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/05/22		80	%	50 - 150
			D12-Perylene	2025/05/22		84	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/05/22		80	%	50 - 150
			D8-Acenaphthylene	2025/05/22		74	%	50 - 150
			D8-Naphthalene	2025/05/22		74	%	50 - 150
			Benzo(a)pyrene	2025/05/22		80	%	50 - 150
9931028	CTC	RPD	Benzo(a)pyrene	2025/05/22	3.2		%	50
9931028	CTC	Method Blank	D10-2-Methylnaphthalene	2025/05/23		66	%	50 - 150
			D10-Fluoranthene	2025/05/23		74	%	50 - 150
			D10-Phenanthrene	2025/05/23		70	%	50 - 150
			D12-Benzo(a)anthracene	2025/05/23		82	%	50 - 150
			D12-Benzo(a)pyrene	2025/05/23		66	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/05/23		86	%	50 - 150
			D12-Benzo(ghi)perylene	2025/05/23		80	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/05/23		76	%	50 - 150
			D12-Chrysene	2025/05/23		84	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/05/23		78	%	50 - 150
			D12-Perylene	2025/05/23		84	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/05/23		78	%	50 - 150
			D8-Acenaphthylene	2025/05/23		66	%	50 - 150
			D8-Naphthalene	2025/05/23		68	%	50 - 150
			Benzo(a)pyrene	2025/05/23	<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.



## 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

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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: 2025/05/27 Report #: R8545610 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C556309 Received: 2025/05/16, 09:53

Sample Matrix: Puf And Filter # Samples Received: 1

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/05/16	2025/05/16	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/05/17	2025/05/23	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/05/16		

### Remarks:

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

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

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

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

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

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

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

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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: 2025/05/27 Report #: R8545610 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C556309 Received: 2025/05/16, 09:53

**Encryption Key** 

Julian Tong Project Manager Assistant 27 May 2025 13:04:48 1

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

Bureau Veritas ID		AQYP94				
Sampling Date 2025/05/13						
COC Number N/A						
	UNITS	STN29164	QC Batch			
		13-MAY-25 PUF #1				
		13-MAY-25 PUF #1				
Volume	m3	327.2	ONSITE			

Page 3 of 8 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



Bureau Veritas ID		AQYP94		
Sampling Date		2025/05/13		
COC Number		N/A		
	UNITS	STN29164 13-MAY-25 PUF #1	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9931028
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	78		9931028
D10-Fluoranthene	%	82		9931028
D10-Fluorene (FS)	%	66		9931028
D10-Phenanthrene	%	84		9931028
D12-Benzo(a)anthracene	%	94		9931028
D12-Benzo(a)pyrene	%	62		9931028
D12-Benzo(b)fluoranthene	%	92		9931028
D12-Benzo(ghi)perylene	%	84		9931028
D12-Benzo(k)fluoranthene	%	84		9931028
D12-Chrysene	%	94		9931028
D12-Indeno(1,2,3-cd)pyrene	%	82		9931028
D12-Perylene	%	84		9931028
D14-Dibenzo(a,h)anthracene	%	84		9931028
D14-Terphenyl (FS)	%	82		9931028
D8-Acenaphthylene	%	76		9931028
D8-Naphthalene	%	80	1	9931028

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



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

Bureau Veritas ID		AQYP94							
Sampling Date		2025/05/13							
COC Number		N/A							
	UNITS	STN29164 13-MAY-25 PUF #1	RDL	QC Batch					
Calculated Parameters									
Benzo(a)pyrene ug/m3 <0.00031 0.00031 9930786									
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									
QC Batch = Quality Control Batch									

Page 5 of 8 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



# **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limit
9931028	CTC	Spiked Blank	D10-2-Methylnaphthalene	2025/05/22		72	%	50 - 150
			D10-Fluoranthene	2025/05/22		78	%	50 - 150
			D10-Phenanthrene	2025/05/22		78	%	50 - 150
			D12-Benzo(a)anthracene	2025/05/22		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/05/22		66	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/05/22		86	%	50 - 150
			D12-Benzo(ghi)perylene	2025/05/22		82	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/05/22		80	%	50 - 150
			D12-Chrysene	2025/05/22		86	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/05/22		80	%	50 - 150
			D12-Perylene	2025/05/22		84	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/05/22		80	%	50 - 150
			D8-Acenaphthylene	2025/05/22		74	%	50 - 150
			D8-Naphthalene	2025/05/22		74	%	50 - 15
			Benzo(a)pyrene	2025/05/22		80	%	50 - 150
9931028	CTC	RPD	Benzo(a)pyrene	2025/05/22	3.2		%	50
9931028	CTC	Method Blank	D10-2-Methylnaphthalene	2025/05/23		66	%	50 - 150
			D10-Fluoranthene	2025/05/23		74	%	50 - 150
			D10-Phenanthrene	2025/05/23		70	%	50 - 15
			D12-Benzo(a)anthracene	2025/05/23		82	%	50 - 150
			D12-Benzo(a)pyrene	2025/05/23		66	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/05/23		86	%	50 - 150
			D12-Benzo(ghi)perylene	2025/05/23		80	%	50 - 15
			D12-Benzo(k)fluoranthene	2025/05/23		76	%	50 - 150
			D12-Chrysene	2025/05/23		84	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/05/23		78	%	50 - 150
			D12-Perylene	2025/05/23		84	%	50 - 15
			D14-Dibenzo(a,h)anthracene	2025/05/23		78	%	50 - 15
			D8-Acenaphthylene	2025/05/23		66	%	50 - 15
			D8-Naphthalene	2025/05/23		68	%	50 - 15
			Benzo(a)pyrene	2025/05/23	<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.



## 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 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: 2025/06/10 Report #: R8554893 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C562343 Received: 2025/05/28, 14:15

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/05/30	2025/05/30	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/05/31	2025/06/10	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/05/30		

### Remarks:

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

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

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

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

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

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

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

Page 1 of 9 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



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: 2025/06/10 Report #: R8554893 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C562343 Received: 2025/05/28, 14:15

**Encryption Key** 

Julian Tong Project Manager Assistant 11 Jun 2025 11:44:01 A

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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> Total Cover Pages : 2 Page 2 of 9 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



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

Bureau Veritas ID		ARJJ95	ARJJ96	ARJJ97	ARJJ98	
Sampling Date		2025/05/25	2025/05/25	2025/05/25	2025/05/25	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH MAY 25, 2025 AQFR39-01	NORTH MONITOR PAH MAY 25, 2025 AQFR40-01	OLD WEST MONITOR PAH MAY 25, 2025 AQFR41-01	SOUTH MONITOR PAH MAY 25, 2025 AQFR42-01	QC Batch
					P	
Volume	m3	336.3	324.2	337.6	317.2	ONSITE
QC Batch = Quality Contro	ol Batch					

Bureau Veritas ID Sampling Date		ARJJ99 2025/05/25							
COC Number		N/A							
	UNITS	NEW WEST MONITOR PAH MAY 25, 2025 AQFR43-01	QC Batch						
Volume	m3	326.0	ONSITE						
· oranne	-								



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

Bureau Veritas ID		ARJJ95	ARJJ96	ARJJ97	ARJJ98		
Sampling Date		2025/05/25	2025/05/25	2025/05/25	2025/05/25		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH MAY 25, 2025 AQFR39-01	NORTH MONITOR PAH MAY 25, 2025 AQFR40-01	OLD WEST MONITOR PAH MAY 25, 2025 AQFR41-01	SOUTH MONITOR PAH MAY 25, 2025 AQFR42-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.42	0.20	<0.10	<0.10	0.10	9939616
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	68	76	76	84		9939616
D10-Anthracene	%	62	74	70	72		9939616
D10-Fluoranthene	%	82	96	86	92		9939616
D10-Fluorene (FS)	%	28 (1)	70	46 (1)	48 (1)		9939616
D10-Phenanthrene	%	74	88	82	86		9939616
D12-Benzo(a)anthracene	%	96	94	94	98		9939616
D12-Benzo(a)pyrene	%	72	72	70	72		9939616
D12-Benzo(b)fluoranthene	%	90	88	90	90		9939616
D12-Benzo(ghi)perylene	%	92	90	92	92		9939616
D12-Benzo(k)fluoranthene	%	96	92	94	94		9939616
D12-Chrysene	%	94	94	94	96		9939616
D12-Indeno(1,2,3-cd)pyrene	%	92	90	90	92		9939616
D12-Perylene	%	92	92	88	94		9939616
D14-Dibenzo(a,h)anthracene	%	92	92	92	94		9939616
D14-Terphenyl (FS)	%	74	90	84	88		9939616
D8-Acenaphthylene	%	64	78	76	84		9939616
D8-Naphthalene	%	40 (1)	60	66	62		9939616

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



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

Bureau Veritas ID		ARJJ99		
Sampling Date		2025/05/25		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH MAY 25, 2025 AQFR43-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	0.10	0.10	9939616
Surrogate Recovery (%)	• •			
D10-2-Methylnaphthalene	%	68		9939616
D10-Anthracene	%	70		9939616
D10-Fluoranthene	%	86		9939616
D10-Fluorene (FS)	%	36 (1)		9939616
D10-Phenanthrene	%	82		9939616
D12-Benzo(a)anthracene	%	88		9939616
D12-Benzo(a)pyrene	%	66		9939616
D12-Benzo(b)fluoranthene	%	84		9939616
D12-Benzo(ghi)perylene	%	82		9939616
D12-Benzo(k)fluoranthene	%	84		9939616
D12-Chrysene	%	86		9939616
D12-Indeno(1,2,3-cd)pyrene	%	82		9939616
D12-Perylene	%	84		9939616
D14-Dibenzo(a,h)anthracene	%	84		9939616
D14-Terphenyl (FS)	%	84		9939616
D8-Acenaphthylene	%	74		9939616
D8-Naphthalene	%	60		9939616

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



# CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		ARJJ95		ARJJ96		ARJJ97		
Sampling Date		2025/05/25		2025/05/25		2025/05/25		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH MAY 25, 2025 AQFR39-01	RDL	NORTH MONITOR PAH MAY 25, 2025 AQFR40-01	RDL	OLD WEST MONITOR PAH MAY 25, 2025 AQFR41-01	RDL	QC Batch
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00125	0.00030	0.00062	0.00031	<0.00030	0.00030	9938840
RDL = Reportable Detect QC Batch = Quality Cont								

Bureau Veritas ID		ARJJ98		ARJJ99					
Sampling Date		2025/05/25		2025/05/25					
COC Number		N/A		N/A					
	UNITS	SOUTH MONITOR PAH MAY 25, 2025 AQFR42-01	RDL	NEW WEST MONITOR PAH MAY 25, 2025 AQFR43-01	RDL	QC Batch			
Calculated Parameters									
Benzo(a)pyrene	ug/m3	<0.00032	0.00032	<0.00031	0.00031	9938840			
RDL = Reportable Detection L QC Batch = Quality Control B									



## **GENERAL COMMENTS**

Results relate only to the items tested.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.



## **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9939616 LHC S	Spiked Blank	D10-2-Methylnaphthalene	2025/06/10		84	%	50 - 150	
		D10-Fluoranthene	2025/06/10		98	%	50 - 150	
		D10-Phenanthrene	2025/06/10		90	%	50 - 150	
			D12-Benzo(a)anthracene	2025/06/10		98	%	50 - 150
		D12-Benzo(a)pyrene	2025/06/10		78	%	50 - 150	
		D12-Benzo(b)fluoranthene	2025/06/10		94	%	50 - 150	
		D12-Benzo(ghi)perylene	2025/06/10		98	%	50 - 150	
			D12-Benzo(k)fluoranthene	2025/06/10		100	%	50 - 150
			D12-Chrysene	2025/06/10		98	%	50 - 150
		D12-Indeno(1,2,3-cd)pyrene	2025/06/10		98	%	50 - 150	
		D12-Perylene	2025/06/10		104	%	50 - 150	
		D14-Dibenzo(a,h)anthracene	2025/06/10		96	%	50 - 150	
		D8-Acenaphthylene	2025/06/10		88	%	50 - 150	
			D8-Naphthalene	2025/06/10		82	%	50 - 150
			Benzo(a)pyrene	2025/06/10		90	%	50 - 150
9939616	LHC	RPD	Benzo(a)pyrene	2025/06/10	2.8		%	50
9939616	LHC	Method Blank	D10-2-Methylnaphthalene	2025/06/10		84	%	50 - 150
		D10-Fluoranthene	2025/06/10		88	%	50 - 150	
		D10-Phenanthrene	2025/06/10		88	%	50 - 150	
		D12-Benzo(a)anthracene	2025/06/10		94	%	50 - 15	
		D12-Benzo(a)pyrene	2025/06/10		74	%	50 - 15	
		D12-Benzo(b)fluoranthene	2025/06/10		90	%	50 - 150	
		D12-Benzo(ghi)perylene	2025/06/10		92	%	50 - 150	
		D12-Benzo(k)fluoranthene	2025/06/10		94	%	50 - 150	
		D12-Chrysene	2025/06/10		94	%	50 - 150	
		D12-Indeno(1,2,3-cd)pyrene	2025/06/10		92	%	50 - 150	
		D12-Perylene	2025/06/10		96	%	50 - 150	
		D14-Dibenzo(a,h)anthracene	2025/06/10		92	%	50 - 15	
		D8-Acenaphthylene	2025/06/10		88	%	50 - 15	
			D8-Naphthalene	2025/06/10		82	%	50 - 15
		Benzo(a)pyrene	2025/06/10	<0.10		ug		

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

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

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.



## 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: 2025/06/10 Report #: R8554889 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C560526 Received: 2025/05/27, 10:57

Sample Matrix: Puf And Filter # Samples Received: 1

		Date	Date		
Analyses	Quantity	<pre>Extracted</pre>	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/05/27	2025/05/27	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/05/31	2025/06/10	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/05/27		

#### Remarks:

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

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

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

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

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

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

(1) Analysis was conducted according to Bureau Veritas' method BRL SOP-00201 and modified where applicable based on the sample matrix. Only the following parameters are accredited: Napthalene, 2-Methylnapthalene, Acenapthylene, Acenapthene, Anthracene, Benzo (a) anthracene, Dibenzo (a,h) anthracene, Fluorene, Benzo (e) pyrene, Benzo (a) pyrene, Benzo (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.

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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: 2025/06/10 Report #: R8554889 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C560526 Received: 2025/05/27, 10:57

**Encryption Key** 



Bureau Veritas 10 Jun 2025 17:25:55

Please direct all questions regarding this Certificate of Analysis to: Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com Phone# (905)817-5763

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

Bureau Veritas ID		ARFT10			
Sampling Date		2025/05/25			
COC Number	imber N/A				
	UNITS	STN29164 25-MAY-25 PUF#1 APTU31-01	QC Batch		
Volume	m3	317.6	ONSITE		
QC Batch = Quality Control Ba	atch				

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

Bureau Veritas ID		ARFT10		
Sampling Date		2025/05/25		
COC Number		N/A		
	UNITS	STN29164 25-MAY-25 PUF#1 APTU31-01	RDL	QC Batch
Benzo(a)pyrene	ug	0.22	0.10	9939616
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	90		9939616
D10-Anthracene	%	0.00 (1)		9939616
D10-Fluoranthene	%	96		9939616
D10-Fluorene (FS)	%	40 (1)		9939616
D10-Phenanthrene	%	94		9939616
D12-Benzo(a)anthracene	%	98		9939616
D12-Benzo(a)pyrene	%	74		9939616
D12-Benzo(b)fluoranthene	%	92		9939616
D12-Benzo(ghi)perylene	%	94		9939616
D12-Benzo(k)fluoranthene	%	98		9939616
D12-Chrysene	%	98		9939616
D12-Indeno(1,2,3-cd)pyrene	%	92		9939616
D12-Perylene	%	94		9939616
D14-Dibenzo(a,h)anthracene	%	92		9939616
D14-Terphenyl (FS)	%	92		9939616
D8-Acenaphthylene	%	90		9939616
D8-Naphthalene	%	80		9939616
RDL = Reportable Detection Li QC Batch = Quality Control Ba				

QC Batch = Quality Control Batch

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



### CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		ARFT10		
Sampling Date		2025/05/25		
COC Number		N/A		
	UNITS	STN29164 25-MAY-25 PUF#1 APTU31-01	RDL	QC Batch
Benzo(a)pyrene	ng/m3	0.69	0.31	9936230
RDL = Reportable Detection L QC Batch = Quality Control Ba				

Page 5 of 8 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



### **GENERAL COMMENTS**

Results relate only to the items tested.

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### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9939616	LHC	Spiked Blank	D10-2-Methylnaphthalene	2025/06/10		84	%	50 - 150
			D10-Fluoranthene	2025/06/10		98	%	50 - 150
			D10-Phenanthrene	2025/06/10		90	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/10		98	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/10		78	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/10		94	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/10		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/10		100	%	50 - 150
			D12-Chrysene	2025/06/10		98	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/10		98	%	50 - 150
			D12-Perylene	2025/06/10		104	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/10		96	%	50 - 150
			D8-Acenaphthylene	2025/06/10		88	%	50 - 150
			D8-Naphthalene	2025/06/10		82	%	50 - 150
			Benzo(a)pyrene	2025/06/10		90	%	50 - 150
939616	LHC	RPD	Benzo(a)pyrene	2025/06/10	2.8		%	50
939616	LHC	Method Blank	D10-2-Methylnaphthalene	2025/06/10		84	%	50 - 150
			D10-Fluoranthene	2025/06/10		88	%	50 - 150
			D10-Phenanthrene	2025/06/10		88	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/10		94	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/10		74	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/10		90	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/10		92	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/10		94	%	50 - 15
			D12-Chrysene	2025/06/10		94	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/10		92	%	50 - 150
			D12-Perylene	2025/06/10		96	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/10		92	%	50 - 150
			D8-Acenaphthylene	2025/06/10		88	%	50 - 150
			D8-Naphthalene	2025/06/10		82	%	50 - 150
			Benzo(a)pyrene	2025/06/10	<0.10		ug	

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

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

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

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



### 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: 2025/05/20 Report #: R8540696 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C550639 Received: 2025/05/06, 10:05

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantit	y Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	5	N/A	2025/05/07	7 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/05/07	7 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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

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

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

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

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

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

Page 1 of 8

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



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: 2025/05/20 Report #: R8540696 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C550639 Received: 2025/05/06, 10:05

**Encryption Key** 

Julian Tong Project Manager Assistant 20 May 2025 12:02:26 A

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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### **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AQOQ85	AQOQ86	AQOQ87	AQOQ88	
Sampling Date		2025/05/01	2025/05/01	2025/05/01	2025/05/01	
COC Number	er na		na	na na		
	UNITS	EAST VOC MAY 01, 2025/14076	NORTH VOC MAY 01, 2025/7839	OLD WEST VOC MAY 01, 2025/27640	SOUTH VOC MAY 01, 2025/17187	QC Batch
Volatile Organics						
Pressure on Receipt	psig	(-4.2)	(-3.9)	(-3.8)	(-4.6)	9924582
QC Batch = Quality Contro	ol Batch					

Bureau Veritas ID		AQOQ89	
Sampling Date		2025/05/01	
COC Number		na	
	UNITS	NEW WEST VOC MAY 01, 2025/32577	QC Batch
		2025/525/7	
Volatile Organics		2023/323/7	
Volatile Organics Pressure on Receipt	psig	(-3.3)	9924582

Page 3 of 8 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



# VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AQOQ85			AQOQ86				
Sampling Date	pling Date 2025/05/01 2025/05/01								
COC Number		na			na				
	UNITS	EAST VOC MAY 01, 2025/14076	ug/m3	DL (ug/m3)	NORTH VOC MAY 01, 2025/7839	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics			•			•		•	
Benzene	ppbv	0.75	2.40	0.319	<0.10	0.10	<0.319	0.319	9923880
Surrogate Recovery (%)			•						
Bromochloromethane	%	86	N/A	N/A	95		N/A	N/A	9923880
D5-Chlorobenzene	%	89	N/A	N/A	90		N/A	N/A	9923880
Difluorobenzene	%	88	N/A	N/A	93		N/A	N/A	9923880
N/A = Not Applicable		400007			400000	+			
Bureau Veritas ID		AQOQ87			AQOQ88	1			
Sampling Date		2025/05/01			2025/05/01				
COC Number		na			na				
	UNITS	OLD WEST VOC MAY 01, 2025/27640	ug/m3	DL (ug/m3)	SOUTH VOC MAY 01, 2025/17187	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	2.58	8.23	0.319	15.8	0.10	50.4	0.319	9923880
Surrogate Recovery (%)									
Bromochloromethane	%	97	N/A	N/A	86		N/A	N/A	9923880
D5-Chlorobenzene	%	92	N/A	N/A	87		N/A	N/A	9923880
Difluorobenzene	%	96	N/A	N/A	86		N/A	N/A	9923880
RDL = Reportable Detectior QC Batch = Quality Control N/A = Not Applicable									



# VOLATILE ORGANICS BY GC/MS (AIR)

		1		1	1
	AQOQ89				
	2025/05/01				
	na				
	NEW WEST VOC				
UNITS	MAY 01,	RDL	ug/m3	DL (ug/m3)	QC Batch
	2025/32577				
ppbv	0.48	0.10	1.54	0.319	9923880
%	92		N/A	N/A	9923880
%	89		N/A	N/A	9923880
%	92		N/A	N/A	9923880
imit		•			
atch					
	ppbv % %	2025/05/01           na           NEW WEST VOC           UNITS           2025/32577           ppbv           0.48           %           92           %           92           %           92           %           92           %           92           %           92           %           92           %           92           %           92           imit	2025/05/01           na           NEW WEST VOC MAY 01, 2025/32577         RDL           ppbv         0.48         0.10           %         92	2025/05/01         Image: Constraint of the second sec	2025/05/01     Image       na     Image       NEW WEST VOC MAY 01, 2025/32577     RDL     ug/m3     DL (ug/m3)       ppbv     0.48     0.10     1.54     0.319       %     92     N/A     N/A       %     92     N/A     N/A

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### **GENERAL COMMENTS**

Results relate only to the items tested.

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### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9923880	NS2	Spiked Blank	Bromochloromethane	2025/05/07		104	%	60 - 140
			D5-Chlorobenzene	2025/05/07		103	%	60 - 140
			Difluorobenzene	2025/05/07		103	%	60 - 140
			Benzene	2025/05/07		97	%	70 - 130
9923880	NS2	Method Blank	Bromochloromethane	2025/05/07		100	%	60 - 140
			D5-Chlorobenzene	2025/05/07		92	%	60 - 140
			Difluorobenzene	2025/05/07		100	%	60 - 140
I			Benzene	2025/05/07	<0.10		ppbv	
9923880	NS2	RPD	Benzene	2025/05/07	NC		%	25

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

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

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

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

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



### VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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



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: 2025/05/20 Report #: R8540692 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C550632 Received: 2025/05/06, 10:05

Sample Matrix: Air

# Samples Received: 1

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/05/07	7 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/05/07	7 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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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.

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

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

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

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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: 2025/05/20 Report #: R8540692 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C550632 Received: 2025/05/06, 10:05

**Encryption Key** 



Bureau Veritas 20 May 2025 09:22:11

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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### **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AQOQ23	
Sampling Date		2025/05/01	
COC Number		na	
	UNITS	STN29164 01-MAY-25	QC Batch
Pressure on Receipt	psig	(-3.9)	9924582

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# VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AQOQ23			AQOQ23				
Sampling Date		2025/05/01			2025/05/01				
COC Number		na			na				
	UNITS	STN29164 01-MAY-25	ug/m3	DL (ug/m3)	STN29164 01-MAY-25 Lab-Dup	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	<0.10	<0.319	0.319	<0.10	0.10	<0.319	0.319	9923880
Surrogate Recovery (%)	•								
Bromochloromethane	%	90	N/A	N/A	72		N/A	N/A	9923880
D5-Chlorobenzene	%	90	N/A	N/A	72		N/A	N/A	9923880
Difluorobenzene	%	90	N/A	N/A	73		N/A	N/A	9923880
RDL = Reportable Detection L QC Batch = Quality Control B Lab-Dup = Laboratory Initiate N/A = Not Applicable	atch	cate	•				•		



### **GENERAL COMMENTS**

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Page 5 of 7 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9923880	NS2	Spiked Blank	Bromochloromethane	2025/05/07		104	%	60 - 140
			D5-Chlorobenzene	2025/05/07		103	%	60 - 140
			Difluorobenzene	2025/05/07		103	%	60 - 140
			Benzene	2025/05/07		97	%	70 - 130
9923880	NS2	Method Blank	Bromochloromethane	2025/05/07		100	%	60 - 140
			D5-Chlorobenzene	2025/05/07		92	%	60 - 140
			Difluorobenzene	2025/05/07		100	%	60 - 140
			Benzene	2025/05/07	<0.10		ppbv	
9923880	NS2	RPD [AQOQ23-01]	Benzene	2025/05/07	NC		%	25

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

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

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

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

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



### 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. #: 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: 2025/05/28 Report #: R8546217 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C556169 Received: 2025/05/16, 10:00

Sample Matrix: Air

# Samples Received: 5

	Date	Date	
Analyses	Quantity Extracted	Analyzed Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1 N/A	2025/05/21 BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	4 N/A	2025/05/22 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5 N/A	2025/05/22 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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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: 2025/05/28 Report #: R8546217 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C556169 Received: 2025/05/16, 10:00

**Encryption Key** 

Julian Tong Project Manager Assistant 28 May 2025 17:12:16 1

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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### **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AQYI05	AQYI06	AQYI07						
Sampling Date		2025/05/13	2025/05/13	2025/05/13						
COC Number		NA	NA	NA						
	UNITS	EAST VOC 13-MAY/14544	NORTH VOC 13-MAY/10325	OLD WEST VOC 13-MAY/18264	QC Batch					
Volatile Organics										
Pressure on Receipt	psig	(-3.8)	(-3.3)	(-1.0)	9933193					
QC Batch = Quality Control Batch										

Bureau Veritas ID		AQYI08	AQYI09						
Sampling Date		2025/05/13	2025/05/13						
COC Number		NA	NA						
	UNITS	SOUTH VOC 13-MAY/27687	NEW WEST VOC 13-MAY/23455	QC Batch					
Volatile Organics									
Pressure on Receipt	psig	(-2.1)	(-2.9)	9934177					
QC Batch = Quality Control Batch									



# VOLATILE ORGANICS BY GC/MS (AIR)

ireau Veritas ID		AQYI05			AQYI05				
mpling Date		2025/05/13			2025/05/13				
OC Number		NA			NA				
	UNITS	EAST VOC 13-MAY/14544	ug/m3	DL (ug/m3)	EAST VOC 13-MAY/14544 Lab-Dup	F	RDL ug,	/m3 DL (ug/	m3) QC Ba
olatile Organics									
enzene	ppbv	0.95	3.04	0.319	0.90	C	).10 2.	87 0.319	99328
rrogate Recovery (%)				11					
omochloromethane	%	84	N/A	N/A	86		N	/A N/A	99328
5-Chlorobenzene	%	87	N/A	N/A	88		N	/A N/A	99328
fluorobenzene	%	81	N/A	N/A	84		N	/A N/A	99328
Bureau Veritas ID		AQYI06							
Sampling Date					AQYI07 2025/05/13				
Sampling Date COC Number		2025/05/13 NA			AQYI07 2025/05/13 NA				
	UNITS	2025/05/13 NA	ug/m3	DL (ug/m3)	2025/05/13	RDL	ug/m3	DL (ug/m3)	QC Batch
	UNITS	2025/05/13 NA NORTH VOC	ug/m3	DL (ug/m3)	2025/05/13 NA <b>OLD WEST VOC</b>	RDL	ug/m3	DL (ug/m3)	QC Batch
COC Number	UNITS	2025/05/13 NA NORTH VOC	ug/m3	DL (ug/m3)	2025/05/13 NA <b>OLD WEST VOC</b>	RDL	<b>ug/m3</b> 13.0	<b>DL (ug/m3)</b> 0.319	<b>QC Batch</b> 9932877
COC Number Volatile Organics		2025/05/13 NA NORTH VOC 13-MAY/10325			2025/05/13 NA OLD WEST VOC 13-MAY/18264		_		
COC Number Volatile Organics Benzene		2025/05/13 NA NORTH VOC 13-MAY/10325			2025/05/13 NA OLD WEST VOC 13-MAY/18264		_		
COC Number Volatile Organics Benzene Surrogate Recovery (%)	ppbv	2025/05/13 NA NORTH VOC 13-MAY/10325	1.88	0.319	2025/05/13 NA OLD WEST VOC 13-MAY/18264 4.06		13.0	0.319	9932877
COC Number Volatile Organics Benzene Surrogate Recovery (%) Bromochloromethane	ppbv	2025/05/13 NA NORTH VOC 13-MAY/10325 0.59 90	1.88	0.319 N/A	2025/05/13 NA OLD WEST VOC 13-MAY/18264 4.06 91		13.0 N/A	0.319 N/A	9932877 9932877



# VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AQYI08			AQYI09						
Sampling Date		2025/05/13			2025/05/13						
COC Number		NA			NA						
	UNITS	SOUTH VOC 13-MAY/27687	ug/m3	DL (ug/m3)	NEW WEST VOC 13-MAY/23455	RDL	ug/m3	DL (ug/m3)	QC Batch		
Volatile Organics											
Benzene	ppbv	28.0	89.4	0.319	1.05	0.10	3.37	0.319	9933812		
Surrogate Recovery (%)									•		
Bromochloromethane	%	98	N/A	N/A	94		N/A	N/A	9933812		
D5-Chlorobenzene	%	99	N/A	N/A	95		N/A	N/A	9933812		
Difluorobenzene	%	100	N/A	N/A	94		N/A	N/A	9933812		
RDL = Reportable Detection	n Limit										
QC Batch = Quality Control	Batch										
N/A = Not Applicable											



### **GENERAL COMMENTS**

Results relate only to the items tested.

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### **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9932877	ANE	Spiked Blank	Bromochloromethane	2025/05/21		97	%	60 - 140
			D5-Chlorobenzene	2025/05/21		100	%	60 - 140
			Difluorobenzene	2025/05/21		99	%	60 - 140
			Benzene	2025/05/21		99	%	70 - 130
9932877	ANE	Method Blank	Bromochloromethane	2025/05/21		95	%	60 - 140
			D5-Chlorobenzene	2025/05/21		95	%	60 - 140
			Difluorobenzene	2025/05/21		98	%	60 - 140
			Benzene	2025/05/21	<0.10		ppbv	
9932877	ANE	RPD [AQYI05-01]	Benzene	2025/05/22	5.6		%	25
9933812	ANE	Spiked Blank	Bromochloromethane	2025/05/22		100	%	60 - 140
			D5-Chlorobenzene	2025/05/22		101	%	60 - 140
			Difluorobenzene	2025/05/22		100	%	60 - 140
			Benzene	2025/05/22		103	%	70 - 130
9933812	ANE	Method Blank	Bromochloromethane	2025/05/22		95	%	60 - 140
			D5-Chlorobenzene	2025/05/22		94	%	60 - 140
			Difluorobenzene	2025/05/22		97	%	60 - 140
			Benzene	2025/05/22	<0.10		ppbv	

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.



### 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 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: 2025/05/30 Report #: R8547994 Version: 1 - Final

### **CERTIFICATE OF ANALYSIS**

## BUREAU VERITAS JOB #: C556153

Received: 2025/05/16, 10:00

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	y Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/05/22	2 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/05/22	2 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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

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

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

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

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

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

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

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

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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: 2025/05/30 Report #: R8547994 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C556153 Received: 2025/05/16, 10:00

**Encryption Key** 



Bureau Veritas 30 May 2025 07:17:15

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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### **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AQYH39					
Sampling Date		2025/05/14					
COC Number		na					
	UNITS	STN29164 13-MAY- 25/14272	QC Batch				
Pressure on Receipt	psig	(-3.6)	9934459				
QC Batch = Quality Control Batch							

Page 3 of 7 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



# VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		AQYH39							
Sampling Date		2025/05/14							
COC Number		na							
	UNITS	STN29164 13-MAY- 25/14272	RDL	ug/m3	DL (ug/m3)	QC Batch			
Benzene	ppbv	0.10	0.10	0.332	0.319	9933410			
Surrogate Recovery (%)	Surrogate Recovery (%)								
Bromochloromethane	%	88		N/A	N/A	9933410			
D5-Chlorobenzene	%	78		N/A	N/A	9933410			
Difluorobenzene	%	76		N/A	N/A	9933410			
RDL = Reportable Detection L	imit								
QC Batch = Quality Control Ba	itch								
N/A = Not Applicable									

Page 4 of 7 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



### **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

	hloromethane robenzene	Date Analyz 2025/05/2 2025/05/2	2	Recovery 105 104	UNITS %	QC Limits 60 - 140
D5-Chlor	robenzene	2025/05/2				
			2	104	0/	
Difluoro	hanzana				%	60 - 140
	benzene	2025/05/2	2	108	%	60 - 140
Benzene	5	2025/05/2	2	109	%	70 - 130
nod Blank Bromoch	hloromethane	2025/05/2	2	102	%	60 - 140
D5-Chlor	robenzene	2025/05/2	2	104	%	60 - 140
Difluoro	benzene	2025/05/2	2	103	%	60 - 140
Benzene	2	2025/05/2	2 <0.10		ppbv	
	od Blank Bromoc D5-Chlo Difluoro Benzene	od Blank Bromochloromethane D5-Chlorobenzene Difluorobenzene Benzene	od Blank Bromochloromethane 2025/05/2 D5-Chlorobenzene 2025/05/2 Difluorobenzene 2025/05/2 Benzene 2025/05/2	od Blank Bromochloromethane 2025/05/22 D5-Chlorobenzene 2025/05/22 Difluorobenzene 2025/05/22 Benzene 2025/05/22 <0.10	od Blank         Bromochloromethane         2025/05/22         102           D5-Chlorobenzene         2025/05/22         104           Difluorobenzene         2025/05/22         103	od BlankBromochloromethane2025/05/22102%D5-Chlorobenzene2025/05/22104%Difluorobenzene2025/05/22103%Benzene2025/05/22<0.10

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.



#### 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. #: 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: 2025/06/06 Report #: R8552879 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C561694 Received: 2025/05/28, 14:15

Sample Matrix: Air

# Samples Received: 3

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	3	N/A	2025/05/30	) BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	3	N/A	2025/05/30	0 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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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: 2025/06/06 Report #: R8552879 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C561694 Received: 2025/05/28, 14:15

**Encryption Key** 

Julian Tong Project Manager Assistant 06 Jun 2025 17:01:58 A

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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## **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID Sampling Date COC Number		ARID16 2025/05/25 na	ARID18 2025/05/25 na	ARID19 2025/05/25 na	
	UNITS	EAST CANISTER VOC MAY 25, 2025/2796	SOUTH CANISTER VOC MAY 25, 2025/27575	NEW WEST CANISTER VOC MAY 25, 2025/18242	QC Batch
Volatile Organics					
Pressure on Receipt	psig	(-4.0)	(-5.1)	(-3.5)	9940665
QC Batch = Quality Control	Batch				



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

Bureau Veritas ID		ARID16			ARID18				
Sampling Date		2025/05/25			2025/05/25				
COC Number		na			na				
	UNITS	EAST CANISTER VOC MAY 25, 2025/2796	ug/m3	DL (ug/m3)	SOUTH CANISTER VOC MAY 25, 2025/27575	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	5.10	16.3	0.319	2.02	0.10	6.47	0.319	9939052
Surrogate Recovery (%)			-			•			
Bromochloromethane	%	93	N/A	N/A	96		N/A	N/A	9939052
D5-Chlorobenzene	%	97	N/A	N/A	98		N/A	N/A	9939052
Difluorobenzene	%	95	N/A	N/A	96		N/A	N/A	9939052

RDL = Reportable Detection Limit QC Batch = Quality Control Batch

N/A = Not Applicable

Bureau Veritas ID		ARID19							
Sampling Date		2025/05/25							
COC Number		na							
	UNITS	NEW WEST CANISTER VOC MAY 25, 2025/18242	RDL	ug/m3	DL (ug/m3)	QC Batch			
Volatile Organics									
Benzene	ppbv	0.33	0.10	1.04	0.319	9939052			
Surrogate Recovery (%)									
Bromochloromethane	%	95		N/A	N/A	9939052			
D5-Chlorobenzene	%	97		N/A	N/A	9939052			
Difluorobenzene	%	96		N/A	N/A	9939052			
•	RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



## **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9939052	NS2	Spiked Blank	Bromochloromethane	2025/05/30		103	%	60 - 140
			D5-Chlorobenzene	2025/05/30		103	%	60 - 140
			Difluorobenzene	2025/05/30		102	%	60 - 140
1			Benzene	2025/05/30		90	%	70 - 130
9939052	NS2	Method Blank	Bromochloromethane	2025/05/30		103	%	60 - 140
			D5-Chlorobenzene	2025/05/30		96	%	60 - 140
			Difluorobenzene	2025/05/30		103	%	60 - 140
			Benzene	2025/05/30	<0.10		ppbv	
9939052	NS2	RPD	Benzene	2025/05/30	1.4		%	25

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

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

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

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



## VALIDATION SIGNATURE PAGE

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

Hulanie Mabri

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: 2025/06/06 Report #: R8552873 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C560713 Received: 2025/05/27, 10:56

Sample Matrix: Air # Samples Received: 1

Analyses	Quantity	Date / Extracted	Date Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/05/31	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/05/31	BRL SOP-00304	EPA TO-15 m

#### **Remarks:**

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(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.

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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: 2025/06/06 Report #: R8552873 Version: 1 - Final

# **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C560713 Received: 2025/05/27, 10:56

**Encryption Key** 



Bureau Veritas 06 Jun 2025 15:18:18

Please direct all questions regarding this Certificate of Analysis to: Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com Phone# (905)817-5763

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## **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		ARGE02					
Sampling Date		2025/05/25					
COC Number		na					
UNITS STN29164 25-MAY-25/305 QC Ba							
Pressure on Receipt psig (-3.8) 99389							
QC Batch = Quality Control Batch							

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# VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ARGE02						
Sampling Date		2025/05/25						
COC Number		na						
	UNITS	STN29164 25-MAY-25/305	RDL	ug/m3	DL (ug/m3)	QC Batch		
Benzene	ppbv	0.32	0.10	1.03	0.319	9938986		
Surrogate Recovery (%)								
Bromochloromethane	%	91		N/A	N/A	9938986		
D5-Chlorobenzene	%	89		N/A	N/A	9938986		
Difluorobenzene	Difluorobenzene % 89 N/A N/A 99389							
RDL = Reportable Detection Limit								
QC Batch = Quality Control Ba	atch							
N/A = Not Applicable								

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## **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limit
9938986	DM2	Spiked Blank	Bromochloromethane	2025/05/30		105	%	60 - 140
			D5-Chlorobenzene	2025/05/30		104	%	60 - 140
			Difluorobenzene	2025/05/30		105	%	60 - 140
			Benzene	2025/05/30		100	%	70 - 130
9938986	DM2	Method Blank	Bromochloromethane	2025/05/30		99	%	60 - 140
			D5-Chlorobenzene	2025/05/30		95	%	60 - 140
			Difluorobenzene	2025/05/30		99	%	60 - 140
			Benzene	2025/05/30	<0.10		ppbv	

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.



## VALIDATION SIGNATURE PAGE

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

Hulanie Mabri

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 Site Location: RAIN CARBON CANADA INC Your C.O.C. #: NA

#### Attention: Robin Hart

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

> Report Date: 2025/06/13 Report #: R8557060 Version: 2 - Revision

## CERTIFICATE OF ANALYSIS – REVISED REPORT

#### BUREAU VERITAS JOB #: C563232 Received: 2025/05/30, 17:06

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/06/04	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/06/04	BRL SOP-00304	EPA TO-15 m

#### **Remarks:**

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

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.

Page 1 of 7

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Your P.O. #: 4500625271 Site Location: RAIN CARBON CANADA INC Your C.O.C. #: NA

#### Attention: Robin Hart

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

> Report Date: 2025/06/13 Report #: R8557060 Version: 2 - Revision

## **CERTIFICATE OF ANALYSIS – REVISED REPORT**

BUREAU VERITAS JOB #: C563232 Received: 2025/05/30, 17:06

**Encryption Key** 

Julian Tong Project Manager Assistant 13 Jun 2025 12:07:04 Л

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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> Total Cover Pages : 2 Page 2 of 7 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



## **RESULTS OF ANALYSES OF AIR**

	ARLO05						
	2025/05/27						
	NA						
UNITS	NORTH CANISTER VOC MAY 27, 2025	QC Batch					
psig	(-4.3)	9941437					
QC Batch = Quality Control Batch							
	psig	2025/05/27           NA           NORTH CANISTER           VOC MAY 27,           2025					

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# VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ARLO05				
Sampling Date		2025/05/27				
COC Number		NA				
	UNITS	NORTH CANISTER VOC MAY 27, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	0.95	0.10	3.03	0.319	9941399
Surrogate Recovery (%)						
Bromochloromethane	%	99		N/A	N/A	9941399
D5-Chlorobenzene	%	100		N/A	N/A	9941399
Difluorobenzene	%	99		N/A	N/A	9941399
RDL = Reportable Detection	n Limit		•			
QC Batch = Quality Control	Batch					
N/A = Not Applicable						

Page 4 of 7 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



## **GENERAL COMMENTS**

Revised report sent; Change in sampling date and ID as per client request - 2025/06/13

Results relate only to the items tested.

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1

## **QUALITY ASSURANCE REPORT**

Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limit
9941399	ANE	Spiked Blank	Bromochloromethane	2025/06/03		102	%	60 - 140
			D5-Chlorobenzene	2025/06/03		102	%	60 - 140
			Difluorobenzene	2025/06/03		104	%	60 - 140
			Benzene	2025/06/03		100	%	70 - 130
9941399	ANE	Method Blank	Bromochloromethane	2025/06/03		102	%	60 - 140
			D5-Chlorobenzene	2025/06/03		98	%	60 - 140
			Difluorobenzene	2025/06/03		105	%	60 - 140
			Benzene	2025/06/03	<0.10		ppbv	

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



#### VALIDATION SIGNATURE PAGE

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

Hulanie Mabr

Melanie Mabini, Team Leader

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Your P.O. #: 4500625271 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: 2025/06/13 Report #: R8557042 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

#### BUREAU VERITAS JOB #: C564961 Received: 2025/06/04, 15:39

Sample Matrix: Air

# Samples Received: 1

		Date	Date		
Analyses	Quantity	y Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/06/05	5 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/06/05	5 BRL SOP-00304	EPA TO-15 m

#### Remarks:

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

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

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

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

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

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

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

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

Page 1 of 7

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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: 2025/06/13 Report #: R8557042 Version: 1 - Final

## **CERTIFICATE OF ANALYSIS**

BUREAU VERITAS JOB #: C564961 Received: 2025/06/04, 15:39

**Encryption Key** 

Julian Tong Project Manager Assistant 13 Jun 2025 12:01:13 A

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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## **RESULTS OF ANALYSES OF AIR**

Bureau Veritas ID		AROO36	
Sampling Date		2025/05/31	
COC Number		na	
	UNITS	OLD WEST CANISTER VOC MAY 31, 2025/14516	QC Batch
Volatile Organics			
Pressure on Receipt	psig	(-4.4)	9943706
QC Batch = Quality Control Ba	atch		

Page 3 of 7 Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, LSN 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com



# VOLATILE ORGANICS BY GC/MS (AIR)

Burger Marites ID		100036				1
Bureau Veritas ID		AROO36				
Sampling Date		2025/05/31				
COC Number		na				
	UNITS	OLD WEST CANISTER VOC MAY 31, 2025/14516	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	0.65	0.10	2.09	0.319	9943234
Surrogate Recovery (%)						
Bromochloromethane	%	81		N/A	N/A	9943234
D5-Chlorobenzene	%	87		N/A	N/A	9943234
Difluorobenzene	%	85		N/A	N/A	9943234
RDL = Reportable Detection L QC Batch = Quality Control Ba N/A = Not Applicable						

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# **GENERAL COMMENTS**

Results relate only to the items tested.

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## **QUALITY ASSURANCE REPORT**

QA/QC	1			Data Analyzad	Value	Deserver		OC Lineit
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9943234	NS2	Spiked Blank	Bromochloromethane	2025/06/05		100	%	60 - 140
			D5-Chlorobenzene	2025/06/05		99	%	60 - 140
			Difluorobenzene	2025/06/05		100	%	60 - 140
			Benzene	2025/06/05		93	%	70 - 130
9943234	NS2	Method Blank	Bromochloromethane	2025/06/05		96	%	60 - 140
			D5-Chlorobenzene	2025/06/05		93	%	60 - 140
			Difluorobenzene	2025/06/05		99	%	60 - 140
			Benzene	2025/06/05	<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.



## VALIDATION SIGNATURE PAGE

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

Hulanie Mabri

Melanie Mabini, Team Leader

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June 2025

APPENDIX E

# **Field Notes**



38

38

PUF - Station Logs

Station: EastLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025QuarterQ2

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m <sup>3</sup> )	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
	AKGO85-01		31-Dec-24					02-Jan-25	1	1		
01-Jan-25	PUF#1	AKGO85-01	16:00	38	4958.59	38	4981.91	15:30	325.6	23.32	RH	
	AMXL07-01		10.00 10-Jan-25					14-Jan-25				
13-Jan-25	PUF#1	AMXL07-01	18:22	38	4981.91	38	5005.27	15:50	328.9	23.36	RH	
	AMXL33-01		24-Jan-25					27-Jan-25				
25-Jan-25	PUF#1	AMXL33-01	14:10	38	5005.27	38	5028.54	13:30	329.9	23.27	RH	
	ANJ072-01		05-Feb-25					07-Feb-25				
06-Feb-25	UF2-Q2'!R[17]C[	ANJO72-01	#SPILL!	38	5028.54	38	5051.76	14:30	327.0	23.22	RH	
	ANJP51-01		14-Feb-25					20-Jan-25				
18-Feb-25	PUF#1	ANJP51-01	17:26	30	5051.80	30	5075.16	10:46	305.9	23.36	RH	
	ANJP64-01		28-Feb-25					03-Mar-25				Total PUF volume recorded was
02-Mar-25	PUF#1	ANJP64-01	14:00	26	5075.16	12	5098.57	14:06	258.5	23.41	RH	258.3 m3 and under the minimum volume requirement of 293.6 m3.
	AOKI11-01	101/111.01	12-Mar-25	26	5404.00	22	5145.21	17-Mar-25	000.0	00.01		Total PUF volume recorded was
14-Mar-25	PUF#1	AOKI11-01	13:30	20	5121.90	22	5145.21	15:50	290.3	23.31	PD/RH	290.3 m3 and under the minimum volume requirement of 293.6 m3.
26-Mar-25	AOKI34-01	AOKI34-01	25-Mar-25	38	5145.22	38	5168.60	27-Mar-25	340.9	23.38	RH	
20-1111-25	PUF#1	AOR134-01	17:00		5145.22	30	5108.00	15:50	540.9	23.30	БП	
29-Mar-25	APAX49-01	APAX49-01	28-Mar-25	38	5168.60	38	5191.88	31-Mar-25	339.0	23.28	RH	Resample monitoring day.
23-Mai -23	PUF#1	AI AV45-01	16:30	00	0100.00	00	0101.00	16:05	000.0	20.20		
07-Apr-25	APJY24-01	APJY24-01	04-Apr-25	38	5191.89	40	5215.30	08-Apr-25	339.2	23.41	RH	
	PUF#1	74 0124 01	13:15	00	0101.00	-10	0210.00	16:00	000.2	20.11		
19-Apr-25	APJZ13-01	APJZ13-01	17-Apr-25	38	5215.31	38	5238.60	21-Apr-25	330.6	23.29	RH	
	PUF#1		12:50					14:30				
01-May-25	APKA20-01	APKA20-01	30-Apr-25	38	5238.61	35	5261.88	02-May-25	329.1	23.27	RH/DC	
	PUF#1		18:38					12:35				
13-May-25	AQFQ22-01	AQFQ21-01	12-May-25	38	5261.88	38	5285.30	14-May-25	334.3	23.42	DC	
	PUF#1		12:05		-			09:45				
25-May-25	AQFR39-01	AQFR39-01	23-May-25	38	5285.30	38	5308.68	26-May-25	- 336.3	23.38	RH	
	PUF#1		12:53					10:32				



Station: NorthLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025Quarter: Q2

	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m <sup>3</sup> )	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
01-Jan-25	AKGO86-01	AKGO86-01	31-Dec-24	38	3189.59	38	3213.04	02-Jan-25	298.2	23.45	RH	
	PUF#2		16:20					15:45				
13-Jan-25	AMXL08-01	AMXL08-01	10-Jan-25	38	3213.04	38	3236.42	14-Jan-25	300.1	23.38	RH	
10 0011 20	PUF#1	7 1117 200 01	18:42	00	0210.04	00	0200.12	16:00	000.1	20.00		
25-Jan-25	AMXL34-01	AMXL34-01	24-Jan-25	38	3236.42	38	3259.78	27-Jan-25	302.1	23.36	RH	
23-3411-23	PUF#2	AWALOT-01	14:25	00	0200.42	50	0200.70	13:45	502.1	20.00		
06-Feb-25	ANJO73-01	ANJO73-01	05-Feb-25	38	3259.78	38	3283.22	07-Feb-25	300.9	23.44	RH	
06-Feb-25	PUF#2	ANJO75-01	17:00	30	3239.70	30	3203.22	14:40	- 300.9	23.44	КП	
40 5-4 05	ANJP52-01	ANJP52-01	14-Feb-25	38	3283.23	38	2200 04	20-Feb-25	2000 4	00.44	RH	
18-Feb-25	PUF#2	ANJP52-01	17:51	38	3283.23	38	3306.64	10:58	306.4	23.41	КП	
	ANJP65-01		28-Feb-25					03-Mar-25		00.40		
02-Mar-25	PUF#2	ANJP65-01	14:20	38	3306.67	38	3330.09	14:10		23.42	RH	
	AOKI12-01	1.01/140.04	12-Mar-25		0000.45			17-Mar-25	200.5	00.55		Total PUF volume recorded was
14-Mar-25	PUF#2	AOKI12-01	13:45	28	3330.15	30	3353.70	14:10	290.5	23.55	PD/RH	290.5 m3 and under the minimum volume requirement of 293.6 m3.
	AOKI35-01	1.01/105.01	25-Mar-25					27-Mar-25		00.40		
26-Mar-25	PUF#2	AOKI35-01	17:20	38	3377.21	38	3400.69	16:15	330.6	23.48	RH	
	APAX50-01		28-Mar-25					31-Mar-25				Resample monitoring day.
29-Mar-25	PUF#2	APAX50-01	16:40	38	3400.69	38	3424.17	16:15	330.0	23.48	RH	
	APJY25-01		04-Apr-25					08-Apr-25				
07-Apr-25	PUF#2	APJY25-01	13:50	38	3424.17	38	3447.57	16:15	326.8	23.40	RH	
	APJZ14-01		17-Apr-25					21-Apr-25				
19-Apr-25	PUF#2	APJZ14-01	13:30	38	3447.58	34	3471.06	14:45	310.8	23.48	RH	
	APKA21-01		30-Apr-25					02-May-25				
01-May-25	PUF#2	APKA21-01	18:53	38	3471.06	36	3494.54	10:50	319.2	23.48	RH	
	AQFQ23-01		12-May-25					14-May-25				
13-May-25	PUF#2	AQFQ21-01	11:50	38	3494.54	37	3517.92	10:50	317.4	23.38	RH	
	AQFR40-01		23-May-25					26-May-25				
25-May-25	PUF#2	AQFR40-01	13:20	38	3517.92	38	3541.37	10:45	324.2	23.45	RH	



Station: Old WestLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025Quarter: 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 <sup>3</sup> )	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
			-					-	-			
01-Jan-25	AKGO87-01	AKG087-01	31-Dec-24	38	4853.36	38	4877.14	02-Jan-25	332.2	23.78	RH	
01 0411 20	PUF#3	/	17:15		4000.00	00	4011.14	16:45	002.2	20.70		
13-Jan-25	AMXL09-01	AMXL09-01	10-Jan-25	38	4877.14	38	4900.91	14-Jan-25	334.7	23.77	RH	
10-0411-20	PUF#1	7407200 01	19:25	00	4011.14	00	4000.01	17:10	001.1	20.11		
25-Jan-25	AMXL35-01	AMXL35-01	24-Jan-25	38	4900.91	38	4924.79	27-Jan-25	338.4	23.88	RH	
20-0411-20	PUF#3	AWAL00-01	15:30	50	4300.31	50	4024.10	17:54	000.4	20.00		
06-Feb-25	ANJO74-01	ANJO74-01	05-Feb-25	38	4924.79	38	4948.27	07-Feb-25	330.7	23.48	RH	
00-Feb-25	PUF#3	ANJO74-01	18:09	- 30	4924.79	- 30	4940.27	15:32	330.7	23.40	КП	
18-Feb-25	ANJP53-01	ANJP53-01	18-Feb-25	32	4948.27	32	4972.06	20-Feb-25	323.3	23.79	RH	
10-Feb-25	PUF#3	ANJF 55-01	10:57	32	4940.27	52	4972.00	12:31	323.5	23.19	КП	
02-Mar-25	ANJP66-01	ANJP66-01	28-Feb-25	20	4972.06	8	4995.62	03-Mar-25	242.9	23.56	RH	Total PUF volume recorded was 242.9 m3 and under the minimum
02-War-25	PUF#3	ANJP00-UT	17:26	20	4972.00	°	4995.02	15:33	242.9	23.50	КП	volume requirement of 293.6 m3.
14-Mar-25	AOKI13-01	AOKI13-01	12-Mar-25	32	4972.30	30	4995.96	17-Mar-25	320.3	23.66	PD/RH	
14-war-25	PUF#3	AUKI13-01	15:00	32	4972.30	30	4995.90	15:50	320.3	23.00	PD/RH	
26 Mar 25	AOKI36-01		25-Mar-25	34	4005.09	34	5010 70	27-Mar-25	221.0	02.70	БЦ	
26-Mar-25	PUF#3	AOKI36-01	19:05	34	4995.98	34	5019.70	17:40	331.9	23.72	RH	
00 14 05	APAX51-01	APAX51-01	28-Mar-25	38	5019.70	36	5043.39	31-Mar-25	240.2	00.00	RH	Resample monitoring day.
29-Mar-25	PUF#3	APAA51-01	17:20	30	5019.70	30	5043.39	17:00	340.3	23.69	КП	
07 4 05	APJY26-01		04-Apr-25	20	5042.40	24	5007.40	08-Apr-25	007.0	00.70	DU	
07-Apr-25	PUF#3	APJY26-01	15:00	38	5043.40	34	5067.19	17:30	337.2	23.79	RH	
10.4	APJZ15-01		17-Apr-25	38	5067.20	34	5000.00	21-Apr-25	200.0	00.70	RH	
19-Apr-25	PUF#3	APJZ15-01	15:00	38	5067.20	34	5090.92	15:50	329.8	23.72	КП	
04 May 05	APKA22-01		30-Apr-25	20	5000.00	20	<b>5444.55</b>	02-May-25	224.0	00.00		
01-May-25	PUF#3	APKA22-01	19:42	38	5090.92	36	5114.55	11:40	334.6	23.63	RH/DC	
40 Mar. 05	AQFQ24-01	105004 04	12-May-25	20		20	5400.04	14-May-25	220.0	00.70	<b>D</b> 0	
13-May-25	PUF#3	AQFQ21-01	11:30	38	5114.55	38	5138.34	10:30	338.0	23.79	DC	
25 May 25	AQFR41-01		23-May-25	20	E120.2E	26	E160.10	26-May-25	227.6	00.77	DU	
25-May-25	PUF#3	AQFR41-01	14:20	38	5138.35	36	5162.12	11:45	337.6	23.77	RH	



Station: SouthLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025Quarter: 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 <sup>3</sup> )	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
				1	1				1	1	1	
01-Jan-25	AKGO88-01	AKGO88-01	31-Dec-24	38	4734.17	38	4757.13	02-Jan-25	320.9	22.96	RH	
	PUF#4		16:30					16:05				
13-Jan-25	AMXL10-01	AMXL10-01	10-Jan-25	38	4757.13	38	4780.19	14-Jan-25	325.6	23.06	RH	
	PUF#1		19:10					16:30				
25-Jan-25	AMXL36-01	AMXL36-01	24-Jan-25	38	4780.19	32	4803.01	27-Jan-25	312.8	22.82	RH	
	PUF#4		14:45					14:00				
06-Feb-25	ANJO75-01	ANJO75-01	06-Feb-25	38	4803.01	38	4825.97	07-Feb-25	312.2	22.96	RH	
	PUF#4		17:25					14:57				
18-Feb-25	ANJP54-01	ANJP54-01	14-Feb-25	32	4825.97	32	4849.84	20-Feb-25	318.1	23.87	RH	
	PUF#4		18:11					11:22				
02-Mar-25	ANJP67-01	ANJP67-01	28-Feb-25	22	4849.84	10	4873.81	03-Mar-25	233.2	23.97	RH	Total PUF volume recorded was 233.2 m3 and under the minimum
	PUF#4		17:34					14:35				volume requirement of 293.6 m3.
14-Mar-25	AOKI14-01	AOKI14-01	12-Mar-25	33	4873.81	30	4896.72	17-Mar-25	303.9	22.91	RH	
	PUF#4		14:00					15:50				
26-Mar-25	AOKI37-01	AOKI37-01	25-Mar-25	32	4896.72	32	4918.80	27-Mar-25	296.0	22.08	RH	
	PUF#4		17:40				1010.00	16:45	200.0	22.00		
29-Mar-25	APAX52-01	APAX52-01	28-Mar-25	- 38	4918.80	38	4941.65	31-Mar-25	328.1	22.85	RH	Resample monitoring day.
23-Wai -23	PUF#4	AI AX32-01	16:50	50	4010.00	50	100	16:34	520.1	22.00		
07-Apr-25	APJY27-01	APJY27-01	04-Apr-25	- 36	4941.65	38	4964.63	08-Apr-25	324.6	22.98	RH	
07-Api-23	PUF#4	AI 3127-01	14:15	50	4341.05	50	4904.00	16:36	324.0	22.90		
19-Apr-25	APJZ16-01	APJZ16-01	17-Apr-25	- 38	4964.63	38	4986.54	21-Apr-25	- 305.3	21.91	RH	
19-Ap1-25	PUF#4	AI 3210-01	13:45	50	4304.03	50	4300.34	15:02	303.3	21.91		
01-May-25	APKA23-01	APKA23-01	30-Apr-25	- 38	4986.55	38	5009.50	02-May-25	323.6	22.95	RH/DC	
01-Way-25	PUF#4	APKA23-01	19:07	30	4900.00	30	5009.50	12:10	523.0	22.95	KH/DC	
43 Mar 05	AQFQ25-01	AQFQ21-01	12-May-25	- 38	5009.50	38	5032.42	14-May-25	321.0	22.92	DC	
13-May-25	PUF#4		10:20	30	5009.50	30	JUJZ.4Z	09:30	321.0	22.92		
05 May 05	AQFR42-01	AOED 42 04	23-May-25		5022.40	24	5055.24	26-May-25	247.0	22.04	DU	
25-May-25	PUF#4	AQFR42-01	13:45	38	5032.43	34	5055.34	11:00	317.2	22.91	RH	



Station: New WestLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025Quarter: 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 <sup>3</sup> )	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
	AKGO89-01		31-Dec-24					02-Jan-25				
01-Jan-25	PUF#5	AKGO89-01	16:50	- 38	4539.27	38	4562.93	16:20	316.2	23.66	RH	
	AMXL11-01		10-Jan-25		4500.00		4500 50	14-Jan-25	010.0	00.57		
13-Jan-00	PUF#1	AMXL11-01	19:20	- 38	4562.93	38	4586.50	16:45	318.6	23.57	RH	
	AMXL37-01		24-Jan-25		4500 50		1010.00	27-Jan-25	004.4	00.70		
25-Jan-25	PUF#5	AMXL37-01	15:00	- 38	4586.50	38	4610.29	18:26	324.4	23.79	RH	
	ANJO76-01	411070.04	05-Feb-25		1010.00		4000 74	07-Feb-25	010.0	00.40		
06-Feb-25	PUF#5	ANJO76-01	17:54	38	4610.29	38	4633.71	15:15	316.6	23.42	RH	
18-Feb-25	ANJP55-01	ANJP55-01	14-Feb-25	32	4600 74	32	4657.26	20-Feb-25	200 6	22.55	RH	
16-Feb-25	PUF#5	ANJP 55-01	18:30	32	4633.71	32	4037.20	12:48	298.6	23.55	КП	
00 Max 05	ANJP68-01	ANJP68-01	28-Feb-25	0	4657.06	0	4657.26	03-Mar-25	0.0	0.00	БШ	Sample did not operate as no
02-Mar-25	PUF#5	ANJP00-UT	17:00		4657.26	0	4037.20	15:00	0.0	0.00	RH	power to the PAH monitor.
04 Max 05	ANJP68-01		03-Mar-25	40	4057.00	40	4000.00	07-Mar-25	191.7	22.62	DU	Resample monitoring day. Total PUF volume recorded was 191.7 m3 and under the
04-Mar-25	PUF#5	ANJP68-01	15:00	10	4657.26	18	4680.88	10:09	191.7	23.62	RH	minimum volume requirement of 293.6 m3.
14-Mar-25	AOKI15-01	AOKI15-01	12-Mar-25	- 38	4681.10	36	4704.65	17-Mar-25	325.9	23.55	RH	
14-10187-25	PUF#5	AUKI15-01	14:30	30	4001.10	30	4704.05	16:40	325.9	23.55	КП	
26-Mar-25	AOKI38-01	AOKI38-01	25-Mar-25	34	4704.79	32	4728.35	27-Mar-25	310.4	23.56	RH	
20-War-25	PUF#5	AUN130-01	17:40	- 34	4704.79	32	4720.33	17:20	310.4	23.30	КП	
29-Mar-25	APAX53-01	APAX53-01	28-Mar-25	- 38	4728.35	38	4751.91	31-Mar-25	331.1	23.56	RH	Resample monitoring day.
29-INIAI -25	PUF#5	AFAA55-01	17:05		4720.33	30	4751.91	16:45	351.1	23.30	КП	
07-Apr-25	APJY28-01	APJY28-01	04-Apr-25	38	4751.91	38	4775.51	08-Apr-25	329.6	23.60	RH	
07-Apt-25	PUF#5	AFJ120-01	14:30		4751.91	30	4775.51	17:10	329.0	23.00	КП	
19-Apr-25	APJZ17-01	APJZ17-01	17-Apr-25	- 38	4775.51	38	4799.07	21-Apr-25	319.9	23.56	RH	
13-Apr-23	PUF#5		14:30	50	4775.51	50	4755.07	15:20	010.0	20.00		
01-May-25	APKA24-01	APKA24-01	30-Apr-25	- 38	4799.07	36	4822.68	02-May-25	320.2	23.61	RH/DC	
01-May-25	PUF#5	AF 1\A24-01	19:26	50	4799.07	50	4022.00	11:15	320.2	23.01	INI//DC	
13-May-25	AQFQ26-01	AQFQ21-01	12-May-25	- 38	4822.68	36	4846.35	14-May-25	318.5	23.67	DC	
13-Way-23	PUF#5		10:55	50	+022.00		+0+0.00	10:10	510.5	20.07		
25-May-25	AQFR43-01	AQFR43-01	23-May-25	38	4846.38	38	4869.96	26-May-25	326.0	23.58	RH	
20-141ay-25	PUF#5		14:10	50	-10-10.30	50	+003.30	11:31	520.0	20.00		



Station: EastLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025Quarter: Q2

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
01-Jan-25	14270	31-Dec-24		-30.0		-7.5	02-Jan-25		24.0	RH		
01-Jan-25	14270	16:10		-30.0		-7.5	15:40	1	24.0	КП		
13-Jan-25	267	10-Jan-25		-30.0		-8.0	14-Jan-25		24.0	RH		
13-Jan-25	207	18:32		-30.0		-0.0	15:50		24.0	КП		
25-Jan-25	14934	24-Jan-25		-30.0		-7.0	27-Jan-25		24.0	RH		
25-Jan-25	14934	14:10		-30.0		-7.0	13:30		24.0	КП		
06-Feb-25	249	05-Feb-25		-30.0		0.0	07-Feb-25		24.0	RH		
06-FeD-25	249	16:30		-30.0		-8.0	14:35		24.0	КП		
40 5 1 05	4044	14-Feb-25		20.0		44 E	20-Feb-25		24.0	RH		
18-Feb-25	1241	17:31		-30.0		-11.5	10:50		24.0	КП		
	11500	28-Feb		00.0		10.0	03-Mar-25		04.0	BU		
02-Mar-25	14506	13:58		-30.0		-10.0	13:56		24.0	RH		
44.84.0.05	14076	13-Mar		-30.0		-11.0	17-Mar-25		24.0	RH		
14-Mar-25	14076	16:30		-30.0		-11.0	15:55		24.0	КП		
26-Mar-25	444	25-Mar		20.0		10.0	27-Mar-25		24.0	RH		
26-Mar-25	114	17:10		-30.0		-10.0	16:00		24.0	КП		
07.405	23652	04-Apr		-30.0		10.0	08-Apr-25		24.0	RH		
07-Apr-25	23052	13:25		-30.0		-10.0	16:00		24.0	КП		
40.405	7783	17-Apr		-30.0		10.0	21-Apr-25		04.0	RH		
19-Apr-25	1183	13:00		-30.0		-12.0	14:30		24.0	КП		
04 May 05	44070	30-Apr		20.0		10.0	02-May-25		24.0	DU/DO		
01-May-25	14076	18:45		-30.0		-10.0	12:30		24.0	RH/DC		
42 May 25	14544	12-May		20.0		0.0	14-May-25		24.0	DC		
13-May-25	14044	12:10		-30.0		-9.0	09:50		24.0	DC		
05 May 05	0700	23-May		20.0		10.0	26-May-25		24.0	DU		
25-May-25	2796	13:00		-30.0		-10.0	10:35		24.0	RH		



 Station
 : North

 Location
 : 725 Strathearne Avenue N, Hamilton

 Period
 : April 1 to June 30, 2025

 Quarter
 : Q2

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
01-Jan-25	14273	31-Dec-24		-30.0		-10.0	02-Jan-25		24.0	RH		
	14275	15:30		-00.0		-10.0	15:45		24.0			
13-Jan-25	27694	10-Jan-25		-30.0		-10.0	14-Jan-25		24.0	RH		
15-5411-25	21034	18:42		-00.0		-10.0	16:05		24.0	NI I		
25-Jan-25	23649	24-Jan-25		-30.0		-9.5	27-Jan-25		24.0	RH		
25-Jan-25	23049	14:25		-30.0		-9.5	13:50		24.0	ΝП		
06-Feb-25	23743	05-Feb-25		-30.0		-30.0	07-Feb-25		24.0	RH		The February 6, 2024, MECP monitoring day VOC monitor summa canister off
00-1 60-23	23743	17:10		-30.0		-30.0	14:43		24.0	NT		pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
08-Feb-25	23743	07-Feb-25		-30.0		-10.0	11-Feb-25		24.0	RH		Saturday February 8, 2024 resampling day.
06-Feb-25	23743	14:50		-30.0		-10.0	16:26		24.0			
18-Feb-25	27655	14-Feb-25		-30.0		-10.0	20-Feb-25		24.0	RH		
16-Feb-25	27055	17:50		-30.0		-10.0	11:03		24.0	ΝП		•
02-Mar-25	17177	28-Feb-25		20.0		10.0	03-Mar-25		24.0	RH		
02-War-25	17177	14:41		-30.0		-10.0	14:11		24.0	КП		•
14-Mar-25	7841	13-Mar		-30.0		-10.0	17-Mar-25		24.0	RH		
14-mar-25	7041	16:35		-30.0		-10.0	16:05			INI I		•
26-Mar-25	292	25-Mar		-30.0		-10.0	27-Mar-25		24.0	RH		
26-War-25	292	17:25		-30.0		-10.0	16:15		24.0	ΝП		
07.4	14516	04-Apr				10.0	08-Apr-25		24.0	RH		
07-Apr-25	14510	13:55		-30.0		-10.0	16:20		24.0	КП		•
40.4	14103	17-Apr		-30.0		-11.0	21-Apr-25		24.0	RH		
19-Apr-25	14105	13:25		-30.0		-11.0	14:50					•
04 May 25	7020	30-Apr		20.0		10.0	02-May-25		24.0	RH/DC		
01-May-25	7839	18:57		-30.0		-10.0	10:40		24.0			
40.00-05	10225	12-May		20.0		0.0	14-May-25		24.0	50		
13-May-25	10325	11:55		-30.0		-9.0	10:55		24.0	DC		
05.04	00000	23-May				00.0	26-May-25		24.0	RH		The May 25, 2025, MECP monitoring day VOC monitor summa canister off pressure
25-May-25	36989	13:30		-30.0		-30.0	10:50		24.0			was - 30 inches Hg due to a VOC sampler timer valve failure.
07.04 05	20000	26-May		20.0		11.0	28-May-25		01.0	BU		Additional North VOC Monitor May 27, 2025, MECP monitoring day
27-May-25	36989	10:50		-30.0		-11.0	12:42		24.0	RH		,,



 Station
 : Old West

 Location
 : 725 Strathearne Avenue N, Hamilton

 Period
 : April 1 to June 30, 2025

 Quarter
 : Q2

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
		31-Dec-24					02-Jan-25					
01-Jan-25	14518	15:30		-30.0		-16.0	16:45		24.0	RH		
		10-Jan-25					14-Jan-25					
13-Jan-25	32578	19:30		-30.0		-14.0	17:05		24.0	RH		
		24-Jan-25					27-Jan-25					
25-Jan-25	18277	15:32		-30.0		-13.0	17:58		24.0	RH		
	7005	05-Feb-25					07-Feb-25		01.0			The February 6, 2024, MECP monitoring day VOC monitor summa canister off
06-Feb-25	7805	18:09		-30.0		-30.0	15:34		24.0	RH		pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
	7005	07-Feb-25		20.0		45.0	11-Feb-25		01.0	DU		Saturday February 8, 2024 resampling day.
08-Feb-25	7805	15:34		-30.0		-15.0	14:43		24.0	RH		•
18-Feb-25	23478	18-Feb-25		-30.0		-15.0	20-Feb-25		24.0	RH		
10-FeD-25	23470	11:05		-30.0		-15.0	12:34		24.0	ΝП		•
02-Mar-25	32592	28-Feb-25		-29.0		-7.0	03-Mar-25		24.0	RH		
02-Wai-25	32392	18:33		-29.0		-7.0	15:14		24.0			
14-Mar-25	23656	13-Mar		-30.0		-12.0	17-Mar-25		24.0	RH		
14-Mai -25	20000	17:30		-30.0		-12.0	17:05		24.0			
26-Mar-25	14533	25-Mar		-30.0		-10.0	27-Mar-25		24.0	RH		
20-11101-23	14000	19:10		00.0		10.0	17:40		24.0			
07-Apr-25	14528	04-Apr		-30.0		-15.0	08-Apr-25		24.0	RH		
07-Apr-20	14020	15:00		-30.0		-10.0	17:31		24.0			
19-Apr-25	17168	17-Apr		-30.0		-18.0	21-Apr-25		24.0	RH		
10 Apr 20	11100	15:00		00.0		10.0	15:40		24.0			
01-May-25	27640	30-Apr		-30.0		-8.5	02-May-25		24.0	RH/DC		
	21010	19:51		0010		0.0	11:40		24.0			
13-May-25	18264	12-May		-30.0		-7.0	14-May-25		24.0	DC		Timer Unit replaced and Calibrated
10 11149 20	10201	11:20				-7.0	10:35		27.0			
25-May-25	7800	23-May		-28.5		-2.0	26-May-25		24.0	RH		The May 25, 2025, MECP monitoring day VOC monitor summa canister pressure on
		14:30		20.0			11:50		27.0			receipt was 0 inches Hg due to a suspected VOC sampler timer valve leak. Additional Old West VOC Monitor May 31,
31-May-25	14516	30-May		-30.0		-9.5	02-Jun-25		24.0	RH/MP		Additional Old West VOC Monitor May 31, 2025, MECP monitoring day
51 may 20	14310	15:38		00.0		-0.0	15:55		24.0	INT/IVIE		



Station: SouthLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025Quarter: Q2

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
01-Jan-25	32591	31-Dec-24		-30.0		-8.0	02-Jan-25		24.0	RH		
	52551	16:40		-30.0		-0.0	16:10		24.0			
13-Jan-25	7849	10-Jan-25		-30.0		-9.5	14-Jan-25		24.0	RH		
13-Jaii-25	7049	18:59		-30.0		-9.5	16:20		24.0	ΝП		
25-Jan-25	23655	24-Jan-25		-30.0		-7.0	27-Jan-25		24.0	RH		
23-3411-23	23033	14:44		-30.0		-7.0	14:05		24.0			
06-Feb-25	14538	05-Feb-25		-30.0		-8.0	07-Feb-25		24.0	RH		
06-Feb-25	14000	17:30		-30.0		-0.0	15:00		24.0	КП		
18-Feb-25	2926	14-Feb-25		-30.0		-9.0	20-Feb-25		24.0	RH		
16-Feb-25	2920	18:12	]	-30.0		-9.0	11:22		24.0			
02-Mar-25	7865	28-Feb-25		-29.0		-12.0	03-Mar-25		24.0	RH		
02-IVIAI-25	7000	17:37					14:36			КП		
14-Mar-25	283	13-Mar		-30.0		-11.0	17-Mar-25		24.0	RH		
14-11/181-25	205	16:50					16:25					
26-Mar-25	27665	25-Mar		-30.0		-10.0	27-Mar-25		24.0	RH		
20-11/101-23	27005	17:50		-30.0		-10.0	16:50		24.0	INT .		
07-Apr-25	14938	04-Apr		-30.0		-11.0	08-Apr-25		24.0	RH		
07-Api-25	14330	14:45		-30.0		-11.0	16:39		24.0			
19-Apr-25	142	17-Apr		-30.0		-13.0	21-Apr-25		24.0	RH		
19-Apt-25	142	14:00		-30.0		-13.0	15:05		24.0			
01-May-25	17187	30-Apr		30.0		10.0	02-May-25		24.0	RH/DC		
01-way-20	17107	19:12		-30.0		-10.0	12:15		24.0	KH/DC		
13-May-25	27687	12-May		-30.0		-7.0	14-May-25		24.0	DC		
13-Way-23	21001	10:30		-30.0		-7.0	09:35		24.0			
25-May-25	27575	23-May		-30.0		-12.0	26-May-25		24.0	RH		
25-May-25	21010	13:50		-30.0		-12.0	11:15		24.0	KH		



Station: New WestLocation: 725 Strathearne Avenue N, HamiltonPeriod: April 1 to June 30, 2025Quarter: Q2

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
		1	1	1	1	1		1	1	1	1	
01-Jan-25	18252	31-Dec-25		-30.0		-4.0	02-Jan-25		24.0	RH		
		17:03					16:30					The VOC monitor summa canister of
13-Jan-25	18273	10-Jan-25	l	-28.0		-28.0	14-Jan-25		24.0	RH		pressure was - 28 inches Hg due to a
		19:16					16:45					VOC sampler timer valve failure. Resample on January 15, 2025.
2025-01-15	18273	14-Jan-25		-28.0		-4.0	20-Jan-25		24.0	RH		
Resample	10210	16:45		20.0		1.0	11:20		21.0			
25-Jan-25	7855	24-Jan-25		-30.0		-4.0	27-Jan-25		24.0	RH		
25-5411-25	1000	15:08		-30.0		-4.0	17:42		24.0			
06-Feb-25	7853	05-Feb-25		-30.0		-4.0	07-Feb-25		24.0	RH		
06-Feb-25	7855	17:54	1	-30.0		-4.0	16:25		24.0			
40 5-6 05	276	18-Feb-25		-30.0		-6.0	20-Feb-25		24.0	RH		
18-Feb-25	276	11:21					12:50					
	14525	28-Feb-25		-28.0		-7.0	03-Mar-25		24.0			
02-Mar-25		18:03					15:02			RH		
		13-Mar		-30.0		-7.0	17-Mar-25		24.0	RH		
14-Mar-25	7805	17:10	1				16:45					
		25-Mar				-11.0	27-Mar-25		24.0	RH		
26-Mar-25	1241	18:55		-28.0			17:20					
		04-Apr					08-Apr-25			RH		
07-Apr-25	27652	14:45		-29.0		-7.0	17:11		24.0			
		17-Apr					21-Apr-25			RH		
19-Apr-25	17361	14:30		-29.0		-7.0	15:23		24.0			
		30-Apr					02-May-25			RH/DC		
01-May-25	32577	19:30		-30.0		-6.0	11:10		24.0			
13-May-25		12-May					14-May-25			DC		
	23455	11:40		-28.0		-7.0	10:15		24.0			
		23-May					26-May-25					
25-May-25	18242	14:15		-30.0		-7.0	11:35		24.0	RH		
		14.15					11.55			I		