



REPORT

June 2025 Ambient Air Monitoring Report Rain Carbon Canada Inc.

Submitted by:

Rain Carbon Canada Inc.

725 Strathearne Avenue North Hamilton, Ontario L8H 5L3

July 2025

Distribution List

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1.0 INTRODUCTION

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

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

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

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

2.0 AMBIENT MONITORING STATIONS

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

Table 1: Rain Carbon Ambient Air Quality Monitoring Stations

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

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

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

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



Figure 1: Monitor and Source Locations



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



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



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

3.0 SUMMARY OF MONITORING EQUIPMENT CONDITIONS

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

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

For the June 2025 benzene monitoring results, all the summa canister pressures on receipt were within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg except for at the new west VOC monitor on the **Wednesday June 18, 2025, MECP monitoring event** which recorded a summa canister pressure on receipt of -30 inches Hg due to no sample being taken as a result of a VOC sampler timer internal valve malfunction. The new west VOC monitor was successfully operated again on the **Friday June 20, 2025, additional new west VOC monitor monitoring event.**

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

Monitoring Event	Benzene	SUMMA Canis				
Date	East	North	Old West	South	New West	HAMN STN 29164
June 6	- 10.59*	- 8.14	- 11.61*	- 9.57	- 5.90	- 8.75
June 18	-12.42*	- 9.98	- 8.96	- 10.99*	- 30.00**	- 8.14
June 20 New West Additional monitoring day	-	-	-	-	-7.94	-
June 30	-12.62*	- 9.37	- 9.98	- 12.42*	- 8.14	- 5.70

^{*}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		+				
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
June 6	330.6	318.6	333.3	317.8	312.7	315.9
June 18	325.3	317.3	328.1	322.5	320.0	314.6
June 30	326.4	318.0	328.1	323.3	320.0	314.4

4.0 SUMMARY OF BENZENE MEASUREMENTS

Table 4: Summary of June 2025 Benzene Measurements

Manitoning Event		Mea				
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
June 6	12.7*	1.85	12.1*	100	4.08	2.72
June 18	17.0*	22.50	9.35	47.3*	Sampler failure**	1.92
June 20 New West Additional monitoring day	-	-	-	-	0.621	-
June 30	3.05*	7.92	10.2	40.7*	3.84	0.728

^{*}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.

Three sets of benzene measurements were taken in June 2025. The measurements range from $0.621 \,\mu\text{g/m}^3$ to $100 \,\mu\text{g/m}^3$ benzene, with the highest value being detected at the south monitor during the **Friday June 6, 2025, MECP monitoring event**.

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

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

5.0 SUMMARY OF B(a)P MEASUREMENTS.

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

Maniharina		Me				
Monitoring Event Date	East	North	Old West	South	New West	HAMN STN 29164
June 6	0.00048	< 0.00031	0.00084	0.00101	0.00064	< 0.00032
June 18	0.00061	0.00038	0.00512	< 0.00031	0.00050	< 0.00032
June 30	< 0.00031	< 0.00031	< 0.00030	< 0.00031	< 0.00031	< 0.00032

Three sets of B(a)P measurements were taken in June 2025. The B(a)P measurements ranged from < $0.00030 \,\mu\text{g/m}^3$ to $0.00512 \,\mu\text{g/m}^3$ B(a)P, with the highest value being detected at the **old west monitor** during the **Wednesday June 18, 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.

The B(a)P concentration of $0.00512~\mu g/m^3~B(a)P$ measured at the old west monitor on the **Wednesday June 18, 2025, monitoring event** was above the $0.00430~\mu g/m^3~B(a)P$ Measured Level Threshold (MLT) which triggered the preparation of the June 2025 AML report. The measurement was also above the 24-hr Upper Risk Threshold (URT) of $0.0050~\mu g/m^3~B(a)P$ which triggered a Section 30 Notification to the MECP on July 3, 2025.

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

6.0 CONCLUSIONS

The B(a)P concentration of $0.00512~\mu g/m^3~B(a)P$ measured at the old west monitor on the **Wednesday June 18, 2025, monitoring event** was above the $0.00430~\mu g/m^3~B(a)P$ Measured Level Threshold (MLT) which triggered the preparation of the June 2025 AML report. This result was also above the 24-hr Upper Risk Threshold (URT) of $0.0050~\mu g/m^3~B(a)P$ which triggered a Section 30 Notification to the MECP on July 3, 2025.

All of the remaining B(a)P concentrations measured during the three June 2025 monitoring events were below the 0.0043 μ g/m³ Measured Level Threshold (MLT) and below the 24-hr Upper Risk Threshold (URT) of 0.0050 μ g/m³ B(a)P.

All of the summa canister pressures on receipt were within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg except for at the new west VOC monitor on the **Wednesday June 18, 2025, MECP monitoring event** which recorded a summa canister pressure on receipt of -30 inches Hg as no sample was taken due to a VOC sampler timer internal valve malfunction.

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

Signature Page

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APPENDIX A Monitoring Plan





REPORT

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

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Distribution List

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September 2020

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APPENDIX A

Site Photos

1.0 INTRODUCTION

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

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

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

1.1 Description of the Facility

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

1.2 Description of the Process

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

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

1.3 Operating Schedule

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

2.0 AIR QUALITY MONITORING PROGRAM

2.1 Sampling Systems and Methodology

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

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

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

Table 2.1: Standard Operation Procedures for Monitoring

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

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

2.1.1 Calibration

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

The monitoring equipment is calibrated by Rotek.

2.2 Monitor Locations

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

Table 2.2: Monitoring Station Locations.

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

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

2.2.1 Siting Criteria

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

Table 2.3: Monitor Locations Comparison to MECP Siting Criteria.

Contaminant 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	e or 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	nzene Meets minimum separation distance from roadway (10 m)		Yes	Yes	Yes	Yes

2.3 Meteorological Data and Background Concentrations

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

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

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

Table 2.4: Meteorological Station Information

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

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

2.4 Laboratory Analysis

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

Table 2.5: Analytical Methodology

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

2.5 Review of Monitoring Locations

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

3.0 REPORTING

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

3.1 Measured Level Threshold

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

4.0 CLOSURE

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

Signature Page

R.S. Slant

Robin S. Hart P.Eng.

Environmental Engineer

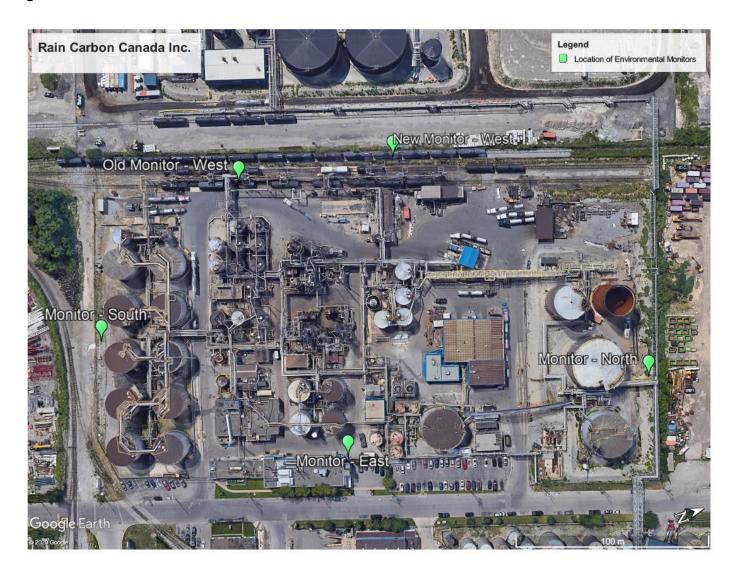
Rain Carbon Canada Inc.

Figures

Figure 1: Site Plan



Figure 2: Environmental Monitor Locations



APPENDIX A

Site Photos

Figure A1: Site-Wide Aerial View 1



Figure A2: Site-Wide Aerial View 2



Figure A4: Aerial View 2 – North Monitoring Station.





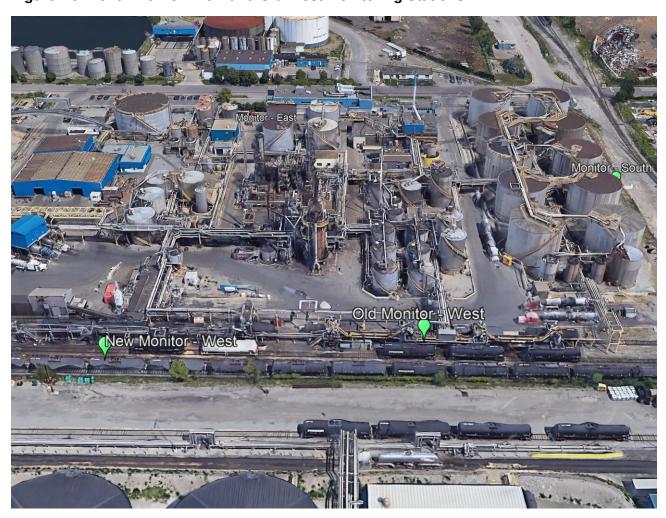
North monitor

Figure A3: Aerial View 1 – Existing South Monitoring Station

South

Google Earth

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





New West Monitor

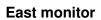




Figure A4: Aerial View 4 – East Monitoring Station

APPENDIX B

Laboratory Analysis

Rain Carbon Canada Inc. - Monthly BaP Sampling Report

Reporting Period : June 2025

Sampling Methods : CARB429(ARBM1,M2) mod

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

Parameter
Units
Analytical RDL
Annual Site-Specific Standard

ВаР
ng/m³
0.315
0.8

Sample Date
June 6, 2025
June 18, 2025
June 30, 2025

Location					
East	North	Old West	South	New West	STN29164
0.48	0.155	0.84	1.01	0.64	0.16*
0.61	0.38	5.12	0.155	0.50	0.16*
0.155	0.155	0.15	0.155	0.155	0.16*

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

0.415	0.23	2.04	0.44	0.43	0.16*
0.61	0.38	5.12	1.01	0.64	0.16*
0.155	0.17	0.15	0.155	0.155	0.16*
0	0	2	1	0	0*
3	3	3	3	3	3*
100	100	100	100	100	100*

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

Comments:		

Rain Carbon Canada Inc. - VOC Sampling Report

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

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

Parameter
Units
Analytical RDL
Annual Site-Specific Standard

Benzene
μg/m³
0.319
12.7

Sample Date
June 6, 2025
June 18, 2025
June 20 New West Monitor
Additional monitoring event
June 30, 2025

		Loc	ation		
East	North	Old West	South	New West	STN29164
12.7	1.85	12.1	100	4.08	2.72*
17.0	22.50	9.35	47.3	Sampler failure	1.92*
-	-	-	-	0.621	-
3.05	7.92	10.2	40.7	3.84	Result not available.

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

10.92	10.76	10.55	62.66	2.85	2.32
17.0	3.74	7.36	4.08	1.16	1.28
3.05	2.65	1.61	4.05	0.956	0.733
1	1	0	3	0	0*
3	3	3	3	3	2*
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 : June 2025

Sampling Method : CARB429(ARBM1,M2) mod

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

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

Sample Date			Loca	ation		
Sample Date	East	North	Old West	South	New West	STN29164
06-Jun-25						0.16
18-Jun-25						0.16
30-Jun-25	an an an					0.16
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.16
Monthly Max	0.00	0.00	0.00	0.00	0.00	0.16
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.16
No. of Samples >Standard	0	0	0	0	0	0
No. of Valid Samples	0	0	0	0	0	3
% Valid Data	100	100	100	100	100	100

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

Comments

Rain Carbon Canada Inc. - VOC Sampling Report

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

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

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

Sample Date			Loca	ation		
Sample Date	East	North	Old West	South	New West	STN29164
06-Jun-25						2.72
18-Jun-25						1.92
30-Jun-25						0.73
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.79
Monthly Max	0.00	0.00	0.00	0.00	0.00	2.72
Monthly Min	0.00	0.00	0.00	0.00	0.00	0.73
No. of Samples >Standard	0	0	0	0	0	0
No. of Valid Samples	0	0	0	0	0	3
% Valid Data	100	100	100	100	100	100

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

Comments			



APPENDIX C

Chain of Custody Forms

(0)	6740 Can	npobello Rd		Toll Free	1-800-668-0	1630	CHAIN OF CUSTODY FOR		_						CAM	FCD-013		
JAME!	Mississau	ga Ontario ,L5f	N 2L8		(905) 817-5		CHAIN OF CUSTODY FOR	vi - Al	K							Page _	of	_
VERITAR	www.bvla	bs.com			(905) 817-5								ANALYSI	S REQUE	STED			
	Company Name	Rain Carbon	Canada Inc				PAHs on PUF as per ERP 7013								1			_
CLIENT			out toda inc.				- 1											
NFORMATION	Project Manager																	
		: robin.hart@ra	The second second second				_		1						1			
ECTION	Address	: 725Strathean Hamilton, ON					1											
LOTION		Hamilton, ON																
	Phone	: 1-647-281-80	94	Fax:														
	Sampled by	: Robin Hart					7 I								- 1			
	Sampled by	, Robin Hart																
			Total			Sample			_	_		-	_	_	+			_
Field Sample ID			Volume Sampled	Flow Rate	Collection Date	Collection Time												
East Monitor PAH June	6. 2025 ARKD29-0	11	330,60	1 low Isale	6/Jun/25	24 hours	1		+-	+	_	-	-	_	-	_		
North Monitor PAH June			318.60		6/Jun/25	1000	X.	_	-	+		\rightarrow						_
Old West Monitor PAH .			333.30		200 T 100	24 hours	×		-	-								
South Monitor PAH June			317.80		6/Jun/25	24 hours	x	_	-			-						
New West Monitor PAH			312.70		6/Jun/25	24 hours	x		-	-								
TOW TYOUR MICHIGAT FALL	Julie 0, 2023 ARRI	233-01	312.70		6/Jun/25	24 hours	×		,									
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Rush 5 Business day * Rush 2 Business day *	Name	Rain Carbon 4500625271	Canada Inc.			EDD	크			jar oper	ning in c	m.			ate the dia	irrieter or	tne	
* need approval from Br	ureau FO#	BV Quote #:			Regulation					PROJE	CT SPE	CIFIC	COMMEN	TS				
Veritas			Cristina Bacc					_	•									
	n Hart ronmental Engineer		Received by:	$-\alpha$	ayn	ANSHA	EEP KINK			1								
Date/Time: 2	6-Jun-25 2:39 PN	1	Affiliation: Date/Time:		2025/1	6110	15:55 19/12	1										
Unless otherwise agreed to in	writing, work submitted o	on this Chain of Cu	stody is subject to	Bureau Verit	as Laboratories	standard Terms	3:55 11/17 s and Conditions. Signing of this Chain of Cu	12	cumaci	le nelses de		out recovered			attention to the territory of the			_
and-conditions			constant state (10				Cogning of this Chair of Cu	siouy ao	cament	is acknowled	igment an	a accepte	ince of our t	erms availat	ele at http://	www.bvlabs.	comterms-	
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RUREAU			iga Ontari	Rd o ,L5N 2L8		1-800-668- : (905) 817-5			Cha	in of	Cus	stody	Forn	n - PUF	/ PA	Н			Page _	1 of _	_2_
VERITAS	INVOICE INFORM	www.bvla	bs.com	REPORT II		(905) 817-5	777		1		110500					ANAL	YSIS R	EQUES	STED		
			+			no							5A)								
Company Nar	me: Rotek E	nvironmental Inc	Compa	ny Name:	rironmental li					SIAL		101	pon	C16)							
Contact Name	e: Paul Da	szko	Project	Manager:	Manager: Paul Daszko			(BH s			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	5				
Address:	15 Keefer Court Ha	amilton	Address	15 Keefer (15 Keefer Court Hamilton			ies of		AIR	HALI	NA.	s (refe	tic Hy	nd F2	sase	A TO				SED
	ON L8E 4V4			ON L8E 4V	4		IM (ir	(inct		OR,	MERC	6	/0C	Nipha	10) a	pd -	y EP	/ZE			DT U
E-mail:	poore@rotekinc.co	m	E-mail:	jennifer.dav	ennifer.davies@rotekinc.com			NO	OUR	INDO	COMI	3 GA	OF	atic/A	2-95	000	귀	NAL		100	S NC
Ph:	905 573 9533		Ph:	905 573 95	33		TVA	VACI	VAP	ENT/	ENT/	SLAE	LIST	Arom	/F1 (bed V	on P	DT A			STER
Sampled by:	Robin Hart						START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBII	SUB-SLAB GAS	FILE	BTEX//	BTEX	Select	PAHs on PUF by EPA TO13	DO NOT ANALYZE			CANISTERS NOT USED
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STN29	164 06-Jun	-25 PU	F #1	APTU39-01		09-Jun-25								-			X		-		- 1
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* need approv	al from Bureau Verit											Anal	yse fo	r BaP o	nly in n	ıg/m3.					
Client Signature:	Doug Cunningham	SE	· .	Received by:			M					-		•					on.com,		
Date/Time:	June 11 2025	11:00	A.M.	Date/Time:		200	70 4	11	(05	V			grainca etekinc.		om, jen	inifer.d	avies@	grotekin	c.com,	
Unless otherwise a	agreed to in writing, work : www.bvlabs.com/terms-a	submitted on this Ch			Bureau Verita	s Laboratories'	standard	Terms	and Cor	ditions.	Signii	ng of th	is Chain	of Custod	y docume	ent is ack	nowledgi	ment and	acceptanc	e of our te	rms



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

PAH Sample Submission Sheet

Sample Date	06-Jun-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

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

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter ID #	Install Date	MAGN On inH2O	Removal Date Removal Time	MAGN Off inH2O	Total Volume	Submission Date
STN29164	06 Jun 2025	PUF #1	APTU38-01	03-Jun-25	37	09-Jun-25	26	245.0	44 1 05
31N23104	00 Juli 2025	APTU39-01	AF1030-01	10:15	3/	13:30	36	315.9	11-Jun-25
Comi	ment 1 :					Service of the control of the contro			
	ment 2 :								

7828
BUREAU
VERITAS

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

CHAIN OF CUSTODY FORM - AIR

www.bvlabs.com Fax: (905) 817-5777 **ANALYSIS REQUESTI** PAHs on PUF as per ERP 7013 Company Name: Rain Carbon Canada Inc. CLIENT INFORMATION Project Manager: Robin Hart e-mail: robin.hart@raincarbon.com Address: 725Strathearne Avenue SECTION Hamilton, ON Phone: 1-647-281-8094 Fax: Sampled by: Robin Hart Total Sample Volume Collection Collection Sampled Flow Rate Field Sample ID Date Time East Monitor PAH June 18, 2025 ARKD73-01 325.30 18/Jun/25 24 hours North Monitor PAH June 18, 2025 ARKD74-01 317.30 18/Jun/25 24 hours 328.10 18/Jun/25 Old West Monitor PAH June 18, 2025 ARKD75-01 24 hours South Monitor PAH June 18, 2025 ARKD76-01 322.50 18/Jun/25 24 hours 320.00 New West Monitor PAH June 18, 2025 ARKD77-01 18/Jun/25 24 hours **TAT Requirement** PROJECT INFORMATION REPORTING REQUIREMENTS Notes Please note if these samples are "Industria Summary Report only STD 10 Business day If submitting dustfall samples, please indicate ✓ Rush 5 Business day * 🔲 Name: Rain Carbon Canada Inc. EDD **V** jar opening in cm. Rush 2 Business day * 🔲 PO #: 4500625271 PROJECT SPECIFIC COMMENTS * need approval from Bureau BV Quote #: Regulation Veritas BV Contact: Cristina Bacchus Client Signature: Robin Hart Received by: Affiliation: Environmental Engineer Affiliation: Date/Time: 20-Jun-25 6:00 PM Date/Time:

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

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http://www.bvlabs.com/terms-and-

CAM FCD-01302 /3

6740 Campobello Rd Chain of Custody Form - PUF / PAH 1-800-668-0639 Page _1_ of _2_ Mississauga Ontario ,L5N 2L8 Phone: (905) 817-5700 BUREAU www.bvlabs.com Fax: (905) 817-5777 **ANALYSIS REQUESTED** INVOICE INFORMATION REPORT INFORMATION FULL LIST OF VOCs (reference TO15A) Rotek Environmental Inc Company Name: Rotek Environmental In Company Name: (C6-C10) and F2 (C10-C16) **AMBIENT/COMMERCIAL/INDUSTRIAL** BTEX/Aromatic/Aliphatic Hydrocarbon of Hg) Selected VOC's - please specify Paul Daszko Project Manager: Paul Daszko Contact Name: of START VACUUM (inches 15 Keefer Court Hamilton Address 15 Keefer Court Hamilton Address: NOT USED (inches AIR EPA. **AMBIENT/INDOOR** ANALYZE ON L8E 4V4 ON L8E 4V4 by SUB-SLAB GAS VACUUM SOIL VAPOUR PUF E-mail: poore@rotekinc.com E-mail: jennifer.davies@rotekinc.com CANISTERS 905 573 9533 Ph: on Ph: 905 573 9533 DO NOT END Sampled by: Robin Hart Flow Field Sample ID BV PUF ID Regulator Retrieval Serial # Date STN29164 18-Jun-25 PUF #1 AQQO52-01 X ---19-Jun-25 ------NONT-2025-06-4723 ---------**TAT Requirement** PROJECT INFORMATION REPORTING REQUIREMENTS 1) please indicate on chain of custody if your samples are 1 Project #: STD 10 Business day EDD soil vapour or ambient air Rush 5 Business day * Name: Rain Carbon Canada Inc Regulations ON 153 2) please list all canisters on the chain of custody even if unused Rush 2 Business day * PO#: 32669 ON 419 \Box Rush Other * Bureau Veritas Quote #: BC CSR PROJECT SPECIFIC COMMENTS Bureau Veritas Contaci Cristina Bacchus Other * need approval from Bureau Veritas Task Order/Line Item Analyse for BaP only in ng/m3. Client Signature: Doug Cunningham Received by: Please copy results to york.zhang@raincarbon.com, robin.hart@raincarbon.com, jennifer.davies@rotekinc.com, June 20 2025 0 Date/Time: Date/Time: daszko@rotekinc.com Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Labbratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-and-conditions



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

PAH Sample Submission Sheet

Sample Date	18-Jun-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

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

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter ID #	Install Date	MAGN On InH2O	Removal Date	MAGN Off InH2O	Total Volume m3	Submission Date
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	-					PAHs on PUF as per ERP 7013		T			T				
CLIENT	Company Name: Rain Carbon	Canada Inc.				1		1 1							
INFORMATION	Project Manager: Robin Hart]									
	e-mail: robin.hart@ra														
SECTION	Address: 725Strathear Hamilton, ON														
	Phone: 1-647-281-80	94	Fax:												
	Sampled by: Robin Hart														
Field Sample ID		Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time										
East Monitor PAH June 3	0, 2025 ARKD98-01	326.40		30-Jun-25	24 hours	x									
North Monitor PAH June		318.00		30-Jun-25		x									
Old West Monitor PAH Ju	une 30, 2025 ARKE00-01	328.10		30-Jun-25	24 hours	x									
South Monitor PAH June	30, 2025 ARKE02-01	323.30		30-Jun-25	24 hours	x									
New West Monitor PAH	June 30, 2025 ARKE04-01	320.00		30-Jun-25	24 hours	x									
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Unless otherwise agreed to in wand-conditions	writing, work submitted on this Chain of Cu	stody is subject to	Bureau Verita	as Laboratories	standard Terms	and Conditions. Signing of this Chain of Cu	ustody documen	is acknowled	gment and/a	cceptance of	our terms a	vailable at	http://www	v.bvlabs.	com/terms-

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(1)	ya"	6740 Campo Mississauga				1-800-668- (905) 817-5			Cha	in of	Cus	tody	Form	- PUF	/ PAI	H			Page _	1 of	_2_
VERITAS	INVOICE INFORMATION	www.bvlabs.		REPORT II	Fax:	(905) 817-5										ANAL	YSIS R	EQUES	TED	-	
Company Nan		onmental Inc C	Compan			ironmental li					NIAL	N.	FULL LIST OF VOCs (reference TO15A)	noc	C16)						
Contact Name	Paul Daszko	F	roject N	/lanager:	Paul Dasz	ko	s of Hg)	(BH)			AMBIENT/COMMERCIAL/INDUSTRIAL		erence	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	113				
Address:	15 Keefer Court Hamilt	on A	Address	15 Keefer C	Court Hamil	ton	(inches	END VACUUM (inches of Hg)		AIR	CIALI		s (ref	atic H)	and F	ease	PAHs on PUF by EPA TO13				SED
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E-mail:	poore@rotekinc.com	E	-mail:	jennifer.dav	ries@roteki	nc.com	START VACUUM	UUM	OUR	JIND	COM	B GAS	T OF	natic/	C6-C	/0C	PUF.	ANALYZE			SS N
Ph:	905 573 9533	P	h:	905 573 95	33		ZT V.	VAC	VAP	ENT	ENT	SLA	.SIT	/Aron	JF1 (ted \	l uo	NOT A			STE
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15 Keefer Court Hamilton, Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

PAH Sample Submission Sheet

Sample Date	30-Jun-25				
Project ID	Rain Carbon Canada Inc				
Sampler Model	TE-1000				
Site Operator	York Zhang / Robin Hart				

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

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter ID #	Install Date	MAGN On inH2O	Removal Date	MAGN Off inH2O	Total Volume m3	Submission Date
STN29164	20 Jun 2025	PUF #1	AQQ055-01	28-Jun-25	37	02-Jul-25	36	314.4	10-Jul-25
51N29104	30 Jun 2025	AQQO56-01	AQQO55-01	13:15	31	11:30	30	314.4	10-Jui-25
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6740 Campobello Rd	Mississauga Ontario ,L5N 2L8	www hylahs com
	NAME OF TAXABLE PARTY.	OF HILLAS

Chain of Custody Form - Summa[™] Canister Toll Free: 1-800-668-0639 Phone: (905) 817-5700 Fax: (905) 817-5777

ANALYSIS REQUESTED

CAM FCD-01302 Page_

CANISTERS NOT USED soil vapour or ambient air 2) please list all canisters on the chain of custody even if unused Other 1) please indicate on chain of custody if your samples are PLEASE RETURN ALL UNUSED EQUIPMENT PROJECT SPECIFIC COMMENTS Selected VOC's - please specify BTEX/F1 (C6-C10) and F2 (C10-C16) BTEX/Aromatic/Aliphatic Hydrocarbon FULL LIST OF VOCs (reference TO15P SUB-SLAB GAS AMBIENT/COMMERCIAL/INDUSTRIAL $\parallel \parallel$ AMBIENT/INDOOR AIR ON 153 ON 419 BC CSR REPORTING REQUIREMENTS **SOIL VAPOUR** EDD Regulations END VACUUM (inches of Hg) Other (gH to eadoni) MUUDAV TRATS 6-Jun-25 6-Jun-25 6-Jun-25 6-Jun-25 6-Jun-25 Rain Carbon Canada 6-Jun-25 Collection Date REPORT INFORMATION 725Strathearne Avenue Robin Hart Flow Regulator Serial # Cristina Bacchus 1-647-281-8094 robin.hart@rain Hamilton, ON Project #: Rain Carbon Canada Inc.
Name: Robin Hart
PO #: 4500625271
Bureau Veritas Quote #: Received by: 7866 14118 295 272 14236 Canister Serial # Rain Carbon Canada Inc Company Name: Project Manager: PROJECT INFORMATION Bureau Veritas Contact: Address: Task Order/Line Item E-mail: P. Client Signature: Robin Hart Environmental Engineer Old West Canister Duplicate VOC June 6, 2025 INVOICE INFORMATION Field Sample ID 2:11 PM 725Strathearne Avenue New West Canister VOC June 6, 2025 Old West Canister VOC June 6, 2025 Robin Hart * need approval from Bureau Veritas > | | \perp South Canister VOC June 6, 2025 North Canister VOC June 6, 2025 East Canister VOC June 6, 2025 1-647-281-8094 robin.hart@raii Hamilton, ON Robin Hart 6/Jun/25 STD 10 Business day
Rush 5 Business day *
Rush 2 Business day *
Rush Other * AT Requirement Company Name: Contact Name: Sampled by: Date/Time: Address: E-mail: <u>Р</u>





VOC Canister Sample Submission Sheet

Sample Date	06-Jun-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	32571	06-Jun-25	03-Jun-25	10:30	-30.0	00:01	23:59	24.0	-10.0	09-Jun-25	13:40
	Comment 1	:									

11-Jun-25 10:58

Cristina (Maria) Bacchus

CAM FCD-01302 /3

6740 Campobello Rd Form - Summa™ Canister Page _2_ of __2_ C568609 Phone: (90: Mississauga Ontario ,L5N 2L8 www.bvlabs.com Fax: (90! ANALYSIS REQUESTED INVOICE INFORMATION REPORT INFORMATION 11 V AIR-001 Rotek Environmental Inc Company Name: Rotek Environmental Inc Company Name: BTEX/F1 (C6-C10) and F2 (C10-C16) **AMBIENT/COMMERCIAL/INDUSTRIAL** BTEX/Aromatic/Aliphatic Hydrocarbon START VACUUM (inches of Hg) FULL LIST OF VOCs (reference Selected VOC's - please specify Contact Name: Paul Daszko Project Manager: Paul Daszko of Hg) Address: 15 Keefer Court Hamilton Address: 15 Keefer Court Hamilton AMBIENT/INDOOR AIR END VACUUM (inches Other - Do Not Analyze ON L8E 4V4 ON L8E 4V4 CANISTERS NOT SUB-SLAB GAS SOIL VAPOUR E-mail: poore@rotekinc.com E-mail: jennifer.davies@rotekinc.com 905 573 9533 Ph: 905 573 9533 Sampled by: Robin Hart Flow Field Sample ID Canister Regulator Serial # Retrieval Date Serial # STN29164 06-Jun-25 32571 X 09-Jun-25 ---_ TAT Requirement PROJECT INFORMATION REPORTING REQUIREMENTS Notes 1) please indicate on chain of custody if your samples are 1 STD 10 Business day Project #: EDD soil vapour or ambient air Rush 5 Business day * Name: Rain Carbon Canada Inc Regulations ON 153 V 2) please list all canisters on the chain of custody even if unused Rush 2 Business day * PO #: 32669 ON 419 Rush Other * Bureau Veritas Quote #: BC CSR PROJECT SPECIFIC COMMENTS Bureau Veritas Contact: Cristina Bacchus Other Please issue Summa canister pressure upon receipt. * need approval from Bureau Veritas Task Order/Line Item Analyse for Benzene only in ug/m3. Client Signature: Doug Cunningham Received by: Please copy results to york.zhang@raincarbon.com, robin.hart@raincarbon.com, jennifer.davies@rotekinc.com, .00 A Date/Time: June 11 2025 Date/Time: daszko@rotekinc.com

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

http://www.bvlabs.com/terms-and-conditions

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Julian Tong

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Contact Nan	ne:	_Robin Hart		Project Mai	nager:	Robin Har	t	START VACUUM (inches of Hg)	END VACUUM (inches of Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		ferenc	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	-2 (C1	specify					
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E-mail:	robin.ha	rt@raincarbor	n.com	E-mail:	robin.hart@	graincarbor	1.com	ACUL	UUM	VAPOUR	JUND	COM	BGA	TOF	natic/	J-92	VOC.					RSN
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Sampled by:	Robin F	lart						STAF	END	SOIL	AMBIENT/INDOOR AIR	AMB	SUB-SLAB GAS	FULL LIST	BTEX	BTEX	Selected VOC's	Other				CANISTERS NOT USED
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Rush Other *				eritas Quote #: eritas Contact:	Cristina Ba	cchus	1	Other		BC C	SK	.Lul	PRO	JECI	SPEC	IFIC C	OMME	:N15				
* need appro	oval from E	lureau Veritas	Task Ord	er/Line Item				1001112														
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pm								′	1													



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

VOC Canister Sample Submission Sheet

Sample Date	18-Jun-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	35565	18-Jun-25	17-Jun-25	14:00	-30.0	00:01	23:59	24.0	-10.0	19-Jun-25	12:45
	Comment 1	:	<u> </u>	L							

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(A)		6740 Campobello Ro Mississauga Ontario		Phone:	1-800-668-0639 (905) 817-5700			Cha	in of	Cus	tody	Form	ı - Sur	nma™				age _2_	of2_
VIEW IT AS	INVOICE INFORMATIO	www.bvlabs.com	DEDORT	Fax: NFORMATION	(905) 817-5777									_	ANAL	YSIS RE	QUEST	ED	-
Company Nar	ne: Rotek Enviro	nmental Inc Company			ronmental Inc	,				RIAL		OF VOCs (reference TO15A)	rbon	C16)	>				
Contact Name	Paul Daszko	Project N	anager:	Paul Daszk	0	of Hg)	(BH			AMBIENT/COMMERCIAL/INDUSTRIAL		erence	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify				
Address:	15 Keefer Court Hamilton	Address:	15 Keefer	Court Hamilton	on	(inches	END VACUUM (inches of Hg)		AIR	CIALIII		s (ref	atic H	and F.	ease	lyze			SED
	ON L8E 4V4		ON L8E 4	/4			(incl		SOR	MER	co.	00	Aliph	10)	lg .	- Do Not Analyze			01.0
E-mail:	poore@rotekinc.com	E-mail:	jennifer.da	vies@roteki	nc.com	VACUUM	MSS	VAPOUR	ND	COM	B GA	P	natic/	8	900	Not			SS
Ph:	905 573 9533	Ph:	905 573 9	533			VAC	VAP	ENT	ENT	SLAI	LIS	/Aron	F1	ted	- J			STE
Sampled by:	Robin Hart				START	END	SOIL	AMBIENT/INDOOR AIR	AMB	SUB-SLAB GAS	FULL LIST	BTEX	вте)	Selec	Other			CANISTERS NOT USED	
	Field Sample II)	Canister Serial #	Flow Regulator Serial #	Retrieval Date														
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Rush Other *				011		BC C	SR				SPEC					nates			
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Date/Time:	June 20 2025	7:15	Date/Time	:	(noto 6/1)	12	J	91	7		W 255		rotekind						

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

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Contact Name	e:Robin Ha	п	Project Mai	nager:	Robin Hart		of Hg)	(BHJ			AMBIENT/COMMERCIAL/INDUSTRIAL		erence	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	please specify	Julian Tong				
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Client Signature: Robin Hart Environmental Engineer Received by:							ndy	Voi	19								SED EQUIPMENT				
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Julian Tong

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E-mail:	robin.hart@raincarbon.com	E-mail:	robin.hart@	graincarbor	i.com	ACU	VACUUM	VAPOUR	JIND.	CON	BG		matic	90)	Voc's				RSN
Ph:	1-647-281-8094	Ph:	1-647-281-	8094		27.7	VAC	VA	EN	ENT	SLA	LIS.	Aron	F	ted	a_			STE
Sampled by:	Robin Hart	-				STAI	END	SOIL	AMBIENT/INDOOR	AMB	SUB-SLAB	FULL LIST	BTEX	BTEX/F1	Selected	Other			CAN
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15 Keefer Court Hamilton, Ontario L8E 4V4 Phone 905 573 9533 Fax 905 578 5167

VOC Canister Sample Submission Sheet

Sample Date	30-Jun-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
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	Comment 1	•									

10-Jul-25 10:20

Cristina (Maria) Bacchus

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Address:	15 Keefer Court Ham	ilton A	ddress:	15 Keefer (Court Hamilt	on	ches			Œ	AMBIENT/COMMERCIAL/INDUSTRIAL		OF VOCs (reference TO15A)	tic Hyc	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	92				ED
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Ph:	905 573 9533	P	h:	905 573 95	33		1	MC	VAP	ENT/	ENT/	SLAE	LIST	Arom	/F1	bed	Å				STEF
Sampled by:	Robin Hart						STAR	END	SOIL VAPOUR	AMBI	AMBI	SUB-SLAB GAS	FULL	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	втех	Selec	Other				CANI
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Client Signature	e: Doug Cunningham	20	M	R					Plea	ase co	py resu	Its to y	ork.zha	ang@ra	incarb	on.com	,				
Date/Time:	July 10 2025	10:01	٥	Date/Time:	ι	2500	()	[[YV)					t@rainc		com, je	ennifer.	davies	@rotek	inc.cor	m,
	agreed to in writing, work subscients	omitted on this Chain	of Custody is	subject to Bui	eau Veritas La	boratories' standard Terr	ns and Co	nditions	Signin	g of this	Chain	of Cust	ody doc	ument is a	cknowled	dgment ai	nd accept	tance of c	ur terms	available	at at

APPENDIX D

Certificates of Analysis



Your P.O. #: 4500625271

Your Project #: RAIN CARBON CANADA INC

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

Attention: Robin Hart

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

Report Date: 2025/06/24

Report #: R8563600 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568105
Received: 2025/06/10, 15:55

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/06/11	2025/06/11	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	4	2025/06/13	2025/06/19	BRL SOP-00201	CARB429(ARBM1,M2)mod
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/06/13	2025/06/20	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/06/11		

Remarks:

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

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

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

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

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

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

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

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



Your P.O. #: 4500625271

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: 2025/06/24

Report #: R8563600

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568105

Received: 2025/06/10, 15:55

Encryption Key

Julian Tong Project Manager Assistant 24 Jun 2025 14:47:58

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

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



Client Project #: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		ARUJ03	ARUJ04	ARUJ05	ARUJ06	
Sampling Date		2025/06/06	2025/06/06	2025/06/06	2025/06/06	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH JUNE 6, 2025 ARKD29-01	NORTH MONITOR PAH JUNE 6, 2025 ARKD30-01	OLD WEST MONITOR PAH JUNE 6, 2025 ARKD31-01	SOUTH MONITOR PAH JUNE 6, 2025 ARKD32-01	QC Batch
Volume	m3	330.6	318.6	333.3	317.8	ONSITE
QC Batch = Quality Cont	rol Batch					

Bureau Veritas ID		ARUJ07	
Sampling Date		2025/06/06	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH JUNE 6, 2025 ARKD33-01	QC Batch
Volume	m3	312.7	ONSITE
QC Batch = Quality Control Ba	atch		



Client Project #: RAIN CARBON CANADA INC

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

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

Bureau Veritas ID		ARUJ03	ARUJ04	ARUJ05	ARUJ06		
Sampling Date		2025/06/06	2025/06/06	2025/06/06	2025/06/06		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH JUNE 6, 2025 ARKD29-01	NORTH MONITOR PAH JUNE 6, 2025 ARKD30-01	OLD WEST MONITOR PAH JUNE 6, 2025 ARKD31-01	SOUTH MONITOR PAH JUNE 6, 2025 ARKD32-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.16	<0.10	0.28	0.32	0.10	9949098
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	76	78	62	78		9949098
D10-Anthracene	%	66	64	42 (1)	54		9949098
D10-Fluoranthene	%	94	96	58	76		9949098
D10-Fluorene (FS)	%	58	76	46 (2)	74		9949098
D10-Phenanthrene	%	92	88	58	76		9949098
D12-Benzo(a)anthracene	%	88	94	90	96		9949098
D12-Benzo(a)pyrene	%	64	68	62	68		9949098
D12-Benzo(b)fluoranthene	%	84	90	84	86		9949098
D12-Benzo(ghi)perylene	%	82	92	82	92		9949098
D12-Benzo(k)fluoranthene	%	86	88	86	88		9949098
D12-Chrysene	%	84	90	84	90		9949098
D12-Indeno(1,2,3-cd)pyrene	%	82	90	84	88		9949098
D12-Perylene	%	84	86	82	86		9949098
D14-Dibenzo(a,h)anthracene	%	80	88	82	86		9949098
D14-Terphenyl (FS)	%	86	84	58	72		9949098
D8-Acenaphthylene	%	82	80	60	78		9949098
D8-Naphthalene	%	68	70	40 (3)	52		9949098

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

- (1) D10-ANTHRACENE recovery is below contol limit .Review with caution.
- (2) D10-FLOURENE (FS) recovery is below contol limit . Review with caution.
- (3) D8-NAPHTHALENE recovery is below contol limit .Review with caution.



Client Project #: RAIN CARBON CANADA INC

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

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

Bureau Veritas ID		ARUJ07		
Sampling Date		2025/06/06		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH JUNE 6, 2025 ARKD33-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	0.20	0.10	9949098
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	82		9949098
D10-Anthracene	%	64		9949098
D10-Fluoranthene	%	88		9949098
D10-Fluorene (FS)	%	82		9949098
D10-Phenanthrene	%	90		9949098
D12-Benzo(a)anthracene	%	100		9949098
D12-Benzo(a)pyrene	%	66		9949098
D12-Benzo(b)fluoranthene	%	92		9949098
D12-Benzo(ghi)perylene	%	88		9949098
D12-Benzo(k)fluoranthene	%	92		9949098
D12-Chrysene	%	92		9949098
D12-Indeno(1,2,3-cd)pyrene	%	88		9949098
D12-Perylene	%	86		9949098
D14-Dibenzo(a,h)anthracene	%	86		9949098
D14-Terphenyl (FS)	%	84		9949098
D8-Acenaphthylene	%	88		9949098
D8-Naphthalene	%	64		9949098
RDL = Reportable Detection Li QC Batch = Quality Control Bat				



Client Project #: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID Sampling Date		ARUJ03 2025/06/06		ARUJ04 2025/06/06		ARUJ05 2025/06/06		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH JUNE 6, 2025 ARKD29-01	RDL	NORTH MONITOR PAH JUNE 6, 2025 ARKD30-01	RDL	OLD WEST MONITOR PAH JUNE 6, 2025 ARKD31-01	RDL	QC Batch
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00048	0.00030	<0.00031	0.00031	0.00084	0.00030	9947639
RDL = Reportable Detection QC Batch = Quality Control								

Bureau Veritas ID		ARUJ06		ARUJ07				
Sampling Date		2025/06/06		2025/06/06				
COC Number		N/A		N/A				
	UNITS	SOUTH MONITOR PAH JUNE 6, 2025 ARKD32-01	RDL	NEW WEST MONITOR PAH JUNE 6, 2025 ARKD33-01	RDL	QC Batch		
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00101	0.00031	0.00064	0.00032	9947639		
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



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

GENERAL COMMENTS

Results relate only to the items tested.		



Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9949098	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/06/19		68	%	50 - 150
			D10-Fluoranthene	2025/06/19		88	%	50 - 150
			D10-Phenanthrene	2025/06/19		82	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/19		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/19		68	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/19		86	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/19		90	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/19		86	%	50 - 150
			D12-Chrysene	2025/06/19		86	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/19		90	%	50 - 150
			D12-Perylene	2025/06/19		88	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/19		88	%	50 - 150
			D8-Acenaphthylene	2025/06/19		74	%	50 - 150
			D8-Naphthalene	2025/06/19		64	%	50 - 150
			Benzo(a)pyrene	2025/06/19		85	%	50 - 150
9949098	MPQ	RPD	Benzo(a)pyrene	2025/06/19	3.0		%	50
9949098	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/06/19		64	%	50 - 150
			D10-Fluoranthene	2025/06/19		82	%	50 - 150
			D10-Phenanthrene	2025/06/19		80	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/19		80	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/19		66	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/19		82	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/19		92	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/19		82	%	50 - 150
			D12-Chrysene	2025/06/19		82	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/19		90	%	50 - 150
			D12-Perylene	2025/06/19		82	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/19		86	%	50 - 150
			D8-Acenaphthylene	2025/06/19		68	%	50 - 150
			D8-Naphthalene	2025/06/19		62	%	50 - 150
			Benzo(a)pyrene	2025/06/19	<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.



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

Sampler Initials: RH

VALIDATION SIGNATURE PAGE

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

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

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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: 2025/06/24

Report #: R8563607 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568586
Received: 2025/06/11, 10:58

Sample Matrix: Puf And Filter # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/06/11	2025/06/11	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/06/13	2025/06/20	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/06/11		

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.



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: 2025/06/24

Report #: R8563607 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568586 Received: 2025/06/11, 10:58

Encryption Key



Bureau Veritas

24 Jun 2025 14:18:26

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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Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		ARVF86	
Sampling Date		2025/06/06	
COC Number		N/A	
	UNITS	STN29164 06-JUN-25 PUF#1 (APTU39-01)	QC Batch
Volume	m3	315.9	ONSITE



Site Location: RAIN CARBON CANADA INC

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

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

Bureau Veritas ID		ARVF86		
Sampling Date		2025/06/06		
COC Number		N/A		
	UNITS	STN29164 06-JUN-25 PUF#1 (APTU39-01)	RDL	QC Batch
Benzo(a)pyrene	ug	<0.10	0.10	9949098
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	76		9949098
D10-Anthracene	%	64		9949098
D10-Fluoranthene	%	102		9949098
D10-Fluorene (FS)	%	28 (1)		9949098
D10-Phenanthrene	%	90		9949098
D12-Benzo(a)anthracene	%	94		9949098
D12-Benzo(a)pyrene	%	66		9949098
D12-Benzo(b)fluoranthene	%	86		9949098
D12-Benzo(ghi)perylene	%	88		9949098
D12-Benzo(k)fluoranthene	%	86		9949098
D12-Chrysene	%	90		9949098
D12-Indeno(1,2,3-cd)pyrene	%	86		9949098
D12-Perylene	%	86		9949098
D14-Dibenzo(a,h)anthracene	%	86		9949098
D14-Terphenyl (FS)	%	94		9949098
D8-Acenaphthylene	%	82		9949098
D8-Naphthalene	%	72		9949098

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) D10-FLOURENE (FS) recovery is below contol limit .Review with caution.



Site Location: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

	ARVF86		
	2025/06/06		
	N/A		
UNITS	STN29164 06-JUN-25 PUF#1 (APTU39-01)	RDL	QC Batch
ng/m3	<0.32	0.32	9947639
		2025/06/06 N/A STN29164 UNITS 06-JUN-25 PUF#1 (APTU39-01)	2025/06/06 N/A STN29164 UNITS 06-JUN-25 PUF#1 RDL (APTU39-01)

RDL = Reportable Detection Limit QC Batch = Quality Control Batch



Site Location: RAIN CARBON CANADA INC

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

GENERAL COMMENTS

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9949098	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/06/19		68	%	50 - 150
			D10-Fluoranthene	2025/06/19		88	%	50 - 150
			D10-Phenanthrene	2025/06/19		82	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/19		86	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/19		68	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/19		86	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/19		90	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/19		86	%	50 - 150
			D12-Chrysene	2025/06/19		86	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/19		90	%	50 - 150
			D12-Perylene	2025/06/19		88	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/19		88	%	50 - 150
			D8-Acenaphthylene	2025/06/19		74	%	50 - 150
			D8-Naphthalene	2025/06/19		64	%	50 - 150
			Benzo(a)pyrene	2025/06/19		85	%	50 - 150
9949098	MPQ	RPD	Benzo(a)pyrene	2025/06/19	3.0		%	50
9949098	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/06/19		64	%	50 - 150
			D10-Fluoranthene	2025/06/19		82	%	50 - 150
			D10-Phenanthrene	2025/06/19		80	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/19		80	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/19		66	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/19		82	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/19		92	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/19		82	%	50 - 150
			D12-Chrysene	2025/06/19		82	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/19		90	%	50 - 150
			D12-Perylene	2025/06/19		82	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/19		86	%	50 - 150
			D8-Acenaphthylene	2025/06/19		68	%	50 - 150
			D8-Naphthalene	2025/06/19		62	%	50 - 150
			Benzo(a)pyrene	2025/06/19	<0.10		ug	

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

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

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

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



Site Location: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

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

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 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: 2025/07/02

Report #: R8568315 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573968 Received: 2025/06/20, 16:42

Sample Matrix: Air # Samples Received: 5

	Da	ate	Date		
Analyses	Quantity Ex	xtracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5 20	025/06/23	2025/07/02	BRL SOP-00201	·
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5 20	025/06/24	2025/06/30	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5 N,	/A	2025/06/23		

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.



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: 2025/07/02

Report #: R8568315

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573968

Received: 2025/06/20, 16:42

Encryption Key

Julian Tong

Project Manager Assistant 02 Jul 2025 15:19:00

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

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Client Project #: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID Sampling Date COC Number		ASEX86 2025/06/18 N/A	ASEX87 2025/06/18 N/A	ASEX88 2025/06/18 N/A	ASEX89 2025/06/18 N/A	
	UNITS	EAST MONITOR PAH JUNE 18, 2025 ARKD73-01	NORTH MONITOR PAH JUNE 18, 2025 ARKD74-01	OLD WEST MONITOR PAH JUNE 18 2025 ARKD75-01	SOUTH MONITOR PAH JUNE 18, 2025 ARKD76-01	QC Batch
Volume	m3	325.3	317.3	328.1	322.5	ONSITE
QC Batch = Quality Control	Batch		•		•	•

Bureau Veritas ID		ASEX90	
Sampling Date		2025/06/18	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH JUNE 18, 2025 ARKD77-01	QC Batch
Volume	m3	320.0	ONSITE
QC Batch = Quality Control Ba	atch		



Client Project #: RAIN CARBON CANADA INC

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

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ASEX86	ASEX87	ASEX88	ASEX89		
Sampling Date		2025/06/18	2025/06/18	2025/06/18	2025/06/18		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH JUNE 18, 2025 ARKD73-01	NORTH MONITOR PAH JUNE 18, 2025 ARKD74-01	OLD WEST MONITOR PAH JUNE 18 2025 ARKD75-01	SOUTH MONITOR PAH JUNE 18, 2025 ARKD76-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.20	0.12	1.68	<0.10	0.10	9956401
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	100	106	110	106		9956401
D10-Anthracene	%	56	58	56	56		9956401
D10-Fluoranthene	%	78	84	90	76		9956401
D10-Fluorene (FS)	%	76	74	82	76		9956401
D10-Phenanthrene	%	78	82	78	78		9956401
D12-Benzo(a)anthracene	%	82	86	86	82		9956401
D12-Benzo(a)pyrene	%	62	64	64	60		9956401
D12-Benzo(b)fluoranthene	%	84	80	80	84		9956401
D12-Benzo(ghi)perylene	%	80	82	80	80		9956401
D12-Benzo(k)fluoranthene	%	72	84	80	72		9956401
D12-Chrysene	%	78	82	80	78		9956401
D12-Indeno(1,2,3-cd)pyrene	%	80	84	82	80		9956401
D12-Perylene	%	80	82	82	78		9956401
D14-Dibenzo(a,h)anthracene	%	78	80	82	76		9956401
D14-Terphenyl (FS)	%	72	74	80	68		9956401
D8-Acenaphthylene	%	82	82	76	86		9956401
D8-Naphthalene	%	60	66	76	68		9956401

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



Client Project #: RAIN CARBON CANADA INC

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

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ASEX90		
Sampling Date		2025/06/18		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH JUNE 18, 2025 ARKD77-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	0.16	0.10	9956401
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	100		9956401
D10-Anthracene	%	54		9956401
D10-Fluoranthene	%	82		9956401
D10-Fluorene (FS)	%	42 (1)		9956401
D10-Phenanthrene	%	74		9956401
D12-Benzo(a)anthracene	%	80		9956401
D12-Benzo(a)pyrene	%	58		9956401
D12-Benzo(b)fluoranthene	%	74		9956401
D12-Benzo(ghi)perylene	%	78		9956401
D12-Benzo(k)fluoranthene	%	80		9956401
D12-Chrysene	%	76		9956401
D12-Indeno(1,2,3-cd)pyrene	%	78		9956401
D12-Perylene	%	76		9956401
D14-Dibenzo(a,h)anthracene	%	74		9956401
D14-Terphenyl (FS)	%	66		9956401
D8-Acenaphthylene	%	82		9956401
D8-Naphthalene	%	58		9956401

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

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



Client Project #: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASEX86		ASEX87		ASEX88		
Sampling Date		2025/06/18		2025/06/18		2025/06/18		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH JUNE 18, 2025 ARKD73-01	RDL	NORTH MONITOR PAH JUNE 18, 2025 ARKD74-01	RDL	OLD WEST MONITOR PAH JUNE 18 2025 ARKD75-01	RDL	QC Batch
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00061	0.00031	0.00038	0.00032	0.00512	0.00030	9955974
RDL = Reportable Detect	ion Limit		•		•			
OC Batch = Quality Contr	ol Batch							

Bureau Veritas ID		ASEX89	ASEX90					
Sampling Date		2025/06/18	2025/06/18					
COC Number		N/A	N/A					
	UNITS	SOUTH MONITOR PAH JUNE 18, 2025 ARKD76-01	NEW WEST MONITOR PAH JUNE 18, 2025 ARKD77-01	RDL	QC Batch			
Calculated Parameters								
Benzo(a)pyrene	ug/m3	<0.00031	0.00050	0.00031	9955974			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



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

GENERAL COMMENTS

Results relate only to the items tested.		



Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9956401	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/06/30		50	%	50 - 150
			D10-Fluoranthene	2025/06/30		76	%	50 - 150
			D10-Phenanthrene	2025/06/30		62	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/30		76	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/30		62	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/30		76	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/30		82	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/30		82	%	50 - 150
			D12-Chrysene	2025/06/30		76	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/30		82	%	50 - 150
			D12-Perylene	2025/06/30		78	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/30		78	%	50 - 150
			D8-Acenaphthylene	2025/06/30		48 (1)	%	50 - 150
			D8-Naphthalene	2025/06/30		42 (1)	%	50 - 150
			Benzo(a)pyrene	2025/06/30		83	%	50 - 150
9956401	MPQ	RPD	Benzo(a)pyrene	2025/06/30	3.1		%	50
9956401	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/06/30		58	%	50 - 150
			D10-Fluoranthene	2025/06/30		80	%	50 - 150
			D10-Phenanthrene	2025/06/30		72	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/30		76	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/30		64	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/30		76	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/30		84	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/30		80	%	50 - 150
			D12-Chrysene	2025/06/30		76	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/30		82	%	50 - 150
			D12-Perylene	2025/06/30		80	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/30		78	%	50 - 150
			D8-Acenaphthylene	2025/06/30		66	%	50 - 150
			D8-Naphthalene	2025/06/30		58	%	50 - 150
			Benzo(a)pyrene	2025/06/30	<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.

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



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

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

VALIDATION SIGNATURE PAGE

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

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

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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: 2025/07/02

Report #: R8568313 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573967 Received: 2025/06/20, 09:13

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/06/20	2025/07/02	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/06/24	2025/06/30	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/06/20		

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.



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: 2025/07/02

Report #: R8568313 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573967 Received: 2025/06/20, 09:13

Encryption Key



Bureau Veritas

02 Jul 2025 14:55:24

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASEX85	
Sampling Date		2025/06/18	
COC Number		N/A	
	UNITS	STN29164 18-JUN-25 PUF #1	QC Batch
Volume	m3	314.6	ONSITE



Client Project #: RAIN CARBON CANADA INC

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

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ASEX85		
Sampling Date		2025/06/18		
COC Number		N/A		
	UNITS	STN29164 18-JUN-25 PUF #1	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9956401
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	92		9956401
D10-Anthracene	%	62		9956401
D10-Fluoranthene	%	88		9956401
D10-Fluorene (FS)	%	46 (1)		9956401
D10-Phenanthrene	%	84		9956401
D12-Benzo(a)anthracene	%	82		9956401
D12-Benzo(a)pyrene	%	62		9956401
D12-Benzo(b)fluoranthene	%	76		9956401
D12-Benzo(ghi)perylene	%	82		9956401
D12-Benzo(k)fluoranthene	%	82		9956401
D12-Chrysene	%	78		9956401
D12-Indeno(1,2,3-cd)pyrene	%	80		9956401
D12-Perylene	%	80		9956401
D14-Dibenzo(a,h)anthracene	%	78		9956401
D14-Terphenyl (FS)	%	76		9956401
D8-Acenaphthylene	%	82		9956401
D8-Naphthalene	%	68		9956401

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

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



Report Date: 2025/07/02

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASEX85						
Sampling Date		2025/06/18						
COC Number		N/A						
	UNITS	STN29164 18-JUN-25 PUF #1	RDL	QC Batch				
Calculated Parameters								
Benzo(a)pyrene	ng/m3	<0.32	0.32	9954850				
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



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

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C573967 Report Date: 2025/07/02 Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9956401	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/06/30		50	%	50 - 150
			D10-Fluoranthene	2025/06/30		76	%	50 - 150
			D10-Phenanthrene	2025/06/30		62	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/30		76	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/30		62	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/30		76	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/30		82	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/30		82	%	50 - 150
			D12-Chrysene	2025/06/30		76	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/30		82	%	50 - 150
			D12-Perylene	2025/06/30		78	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/30		78	%	50 - 150
			D8-Acenaphthylene	2025/06/30		48 (1)	%	50 - 150
			D8-Naphthalene	2025/06/30		42 (1)	%	50 - 150
			Benzo(a)pyrene	2025/06/30		83	%	50 - 150
9956401	MPQ	RPD	Benzo(a)pyrene	2025/06/30	3.1		%	50
9956401	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/06/30		58	%	50 - 150
			D10-Fluoranthene	2025/06/30		80	%	50 - 150
			D10-Phenanthrene	2025/06/30		72	%	50 - 150
			D12-Benzo(a)anthracene	2025/06/30		76	%	50 - 150
			D12-Benzo(a)pyrene	2025/06/30		64	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/06/30		76	%	50 - 150
			D12-Benzo(ghi)perylene	2025/06/30		84	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/06/30		80	%	50 - 150
			D12-Chrysene	2025/06/30		76	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/06/30		82	%	50 - 150
			D12-Perylene	2025/06/30		80	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/06/30		78	%	50 - 150
			D8-Acenaphthylene	2025/06/30		66	%	50 - 150
			D8-Naphthalene	2025/06/30		58	%	50 - 150
			Benzo(a)pyrene	2025/06/30	<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.

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



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

Sampler Initials: RH

VALIDATION SIGNATURE PAGE

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

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

Criotina Bacchus, Project Manager

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



Your 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: 2025/07/18

Report #: R8578455 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C579657 Received: 2025/07/03, 16:25

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/07/04	2025/07/04	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/07/07	2025/07/14	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/07/04		

Remarks:

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

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

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

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

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

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

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

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



Your 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: 2025/07/18

Report #: R8578455

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C579657 Received: 2025/07/03, 16:25

Encryption Key

Cristina (Maria) Bacchus Project Manager 18 Jul 2025 12:13:47

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

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Report Date: 2025/07/18

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASPX50	ASPX51	ASPX52	ASPX53	
Sampling Date		2025/06/30	2025/06/30	2025/06/30	2025/06/30	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH JUNE30, 2025 ARKD98-01	NORTH MONITOR PAH JUNE30, 2025 ARKD99-01	OLD WEST MONITOR PAH JUNE30, 2025 ARKE00-01	SOUTH MONITOR PAH JUNE30, 2025 ARKE02-01	QC Batch
Volume	m3	326.4	318.0	328.1	323.3	ONSITE
QC Batch = Quality Cont	rol Batch					

Bureau Veritas ID		ASPX54	
Sampling Date		2025/06/30	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH JUNE30, 2025 ARKE04-01	QC Batch
Volume	m3	320.0	ONSITE
QC Batch = Quality Contr	ol Batch		



Report Date: 2025/07/18

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

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ASPX50	ASPX51	ASPX52	ASPX53		
Sampling Date		2025/06/30	2025/06/30	2025/06/30	2025/06/30		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH JUNE30, 2025 ARKD98-01	NORTH MONITOR PAH JUNE30, 2025 ARKD99-01	OLD WEST MONITOR PAH JUNE30, 2025 ARKE00-01	SOUTH MONITOR PAH JUNE30, 2025 ARKE02-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	<0.10	<0.10	<0.10	<0.10	0.10	9964678
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	66	56	98	70		9964678
D10-Fluoranthene	%	76	74	92	74		9964678
D10-Phenanthrene	%	76	72	88	74		9964678
D12-Benzo(a)anthracene	%	74	74	78	80		9964678
D12-Benzo(a)pyrene	%	50	44 (1)	52	54		9964678
D12-Benzo(b)fluoranthene	%	70	70	80	74		9964678
D12-Benzo(ghi)perylene	%	70	70	72	74		9964678
D12-Benzo(k)fluoranthene	%	74	74	68	78		9964678
D12-Chrysene	%	74	74	78	76		9964678
D12-Indeno(1,2,3-cd)pyrene	%	72	72	74	76		9964678
D12-Perylene	%	66	62	68	72		9964678
D14-Dibenzo(a,h)anthracene	%	72	70	74	76		9964678
D14-Terphenyl (FS)	%	76	70	86	74		9964678
D8-Acenaphthylene	%	68	60	4.0 (1)	72		9964678
D8-Naphthalene	%	70	58	254 (1)	162 (1)		9964678

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.



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

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ASPX54							
Sampling Date		2025/06/30							
COC Number		N/A							
	UNITS	NEW WEST MONITOR PAH JUNE30, 2025 ARKE04-01	RDL	QC Batch					
Semivolatile Organics									
Benzo(a)pyrene	ug	<0.10	0.10	9964678					
Surrogate Recovery (%)			•						
D10-2-Methylnaphthalene	%	62		9964678					
D10-Fluoranthene	%	66		9964678					
D10-Phenanthrene	%	68		9964678					
D12-Benzo(a)anthracene	%	76		9964678					
D12-Benzo(a)pyrene	%	50		9964678					
D12-Benzo(b)fluoranthene	%	70		9964678					
D12-Benzo(ghi)perylene	%	70		9964678					
D12-Benzo(k)fluoranthene	%	74		9964678					
D12-Chrysene	%	74		9964678					
D12-Indeno(1,2,3-cd)pyrene	%	70		9964678					
D12-Perylene	%	64		9964678					
D14-Dibenzo(a,h)anthracene	%	70		9964678					
D14-Terphenyl (FS)	%	64		9964678					
D8-Acenaphthylene	%	68		9964678					
D8-Naphthalene	%	82		9964678					
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



Report Date: 2025/07/18

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

CALCULATED SEMIVOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASPX50	ASPX51		ASPX52		
Sampling Date		2025/06/30	2025/06/30		2025/06/30		
COC Number		N/A	N/A		N/A		
	UNITS	EAST MONITOR PAH JUNE30, 2025 ARKD98-01	NORTH MONITOR PAH JUNE30, 2025 ARKD99-01	RDL	OLD WEST MONITOR PAH JUNE30, 2025 ARKE00-01	RDL	QC Batch
Calculated Parameters							
Benzo(a)pyrene	ug/m3	<0.00031	<0.00031	0.00031	<0.00030	0.00030	9963489
RDL = Reportable Detection QC Batch = Quality Control E							

Bureau Veritas ID		ASPX53	ASPX54		
Sampling Date		2025/06/30	2025/06/30		
COC Number		N/A	N/A		
	UNITS	SOUTH MONITOR PAH JUNE30, 2025 ARKE02-01	NEW WEST MONITOR PAH JUNE30, 2025 ARKE04-01	RDL	QC Batch
Calculated Parameters					
Benzo(a)pyrene	ug/m3	<0.00031	<0.00031	0.00031	9963489
RDL = Reportable Detection L QC Batch = Quality Control Ba					



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

GENERAL COMMENTS

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

PAH's in MM5 SamplingTrains (CARB429mod): Archive clean up was performed on sample ASPX51 due to failing surrogate recoveries. Failing parameters resulted in similar recoveries and as a result data is reported from original run. Please review with caution as recoveries below control limit may indicate low bias in results.

Results relate only to the items tested.



Report Date: 2025/07/18

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9964678	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/07/14		62	%	50 - 150
			D10-Fluoranthene	2025/07/14		70	%	50 - 150
			D10-Phenanthrene	2025/07/14		68	%	50 - 150
			D12-Benzo(a)anthracene	2025/07/14		72	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/14		54	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/14		68	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/14		72	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/14		72	%	50 - 150
			D12-Chrysene	2025/07/14		70	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/14		72	%	50 - 150
			D12-Perylene	2025/07/14		68	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/14		70	%	50 - 150
			D8-Acenaphthylene	2025/07/14		64	%	50 - 150
			D8-Naphthalene	2025/07/14		62	%	50 - 150
			Benzo(a)pyrene	2025/07/14		65	%	50 - 150
9964678	MPQ	RPD	Benzo(a)pyrene	2025/07/14	7.4		%	50
9964678	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/07/14		66	%	50 - 150
			D10-Fluoranthene	2025/07/14		74	%	50 - 150
			D10-Phenanthrene	2025/07/14		70	%	50 - 150
			D12-Benzo(a)anthracene	2025/07/14		72	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/14		52	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/14		70	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/14		74	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/14		74	%	50 - 150
			D12-Chrysene	2025/07/14		70	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/14		76	%	50 - 150
			D12-Perylene	2025/07/14		68	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/14		72	%	50 - 150
			D8-Acenaphthylene	2025/07/14		66	%	50 - 150
			D8-Naphthalene	2025/07/14		64	%	50 - 150
			Benzo(a)pyrene	2025/07/14	<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.



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

VALIDATION SIGNATURE PAGE

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

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

Julian Tong, Project Manager Assistant

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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: 2025/07/17

Report #: R8577713 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582919
Received: 2025/07/10, 10:00

Sample Matrix: Puf And Filter # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/07/11	2025/07/17	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/07/13	2025/07/16	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/07/11		

Remarks:

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

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

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

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

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

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

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



Site Location: RAIN CARBON CANADA INC.

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

Attention: Ruetgers list

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

Report Date: 2025/07/17

Report #: R8577713 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582919 Received: 2025/07/10, 10:00

Encryption Key



Bureau Veritas

17 Jul 2025 14:14:14

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

Phone# (905)817-5763

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Site Location: RAIN CARBON CANADA INC.

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		ASVV23	
Sampling Date		2025/07/02	
COC Number		N/A	
	LINUTC	STN29164	000-4-4
	UNITS	30-JUN-25 PUF#1	QC Batch
Volume	m3	30-JUN-25 PUF#1 314.4	ONSITE



Site Location: RAIN CARBON CANADA INC.

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

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

Bureau Veritas ID		ASVV23		
Sampling Date		2025/07/02		
COC Number		N/A		
	UNITS	STN29164 30-JUN-25 PUF#1	RDL	QC Batch
Benzo(a)pyrene	ug	<0.10	0.10	9968646
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	58		9968646
D10-Fluoranthene	%	82		9968646
D10-Phenanthrene	%	80		9968646
D12-Benzo(a)anthracene	%	76		9968646
D12-Benzo(a)pyrene	%	58		9968646
D12-Benzo(b)fluoranthene	%	74		9968646
D12-Benzo(ghi)perylene	%	72		9968646
D12-Benzo(k)fluoranthene	%	74		9968646
D12-Chrysene	%	76		9968646
D12-Indeno(1,2,3-cd)pyrene	%	74		9968646
D12-Perylene	%	74		9968646
D14-Dibenzo(a,h)anthracene	%	72		9968646
D8-Acenaphthylene	%	66		9968646
D8-Naphthalene	%	56		9968646
RDL = Reportable Detection Li				

QC Batch = Quality Control Batch



Site Location: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		ASVV23		
Sampling Date		2025/07/02		
COC Number		N/A		
	UNITS	STN29164 30-JUN-25 PUF#1	RDL	QC Batch
		30-JUN-23 PUF#1		
Benzo(a)pyrene	ng/m3	<0.32	0.32	9967938



Site Location: RAIN CARBON CANADA INC.

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

GENERAL COMMENTS

Results relate only to the items tested.



Report Date: 2025/07/17

Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC.

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9968646	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/07/16		50	%	50 - 150
			D10-Fluoranthene	2025/07/16		74	%	50 - 150
			D10-Phenanthrene	2025/07/16		66	%	50 - 150
			D12-Benzo(a)anthracene	2025/07/16		70	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/16		58	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/16		70	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/16		72	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/16		72	%	50 - 150
			D12-Chrysene	2025/07/16		70	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/16		72	%	50 - 150
			D12-Perylene	2025/07/16		74	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/16		70	%	50 - 150
			D8-Acenaphthylene	2025/07/16		54	%	50 - 150
			D8-Naphthalene	2025/07/16		52	%	50 - 150
			Benzo(a)pyrene	2025/07/16		70	%	50 - 150
9968646	MPQ	RPD	Benzo(a)pyrene	2025/07/16	3.5		%	50
9968646	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/07/16		62	%	50 - 150
			D10-Fluoranthene	2025/07/16		80	%	50 - 150
			D10-Phenanthrene	2025/07/16		78	%	50 - 150
			D12-Benzo(a)anthracene	2025/07/16		74	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/16		62	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/16		78	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/16		78	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/16		76	%	50 - 150
			D12-Chrysene	2025/07/16		74	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/16		78	%	50 - 150
			D12-Perylene	2025/07/16		84	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/16		76	%	50 - 150
			D8-Acenaphthylene	2025/07/16		70	%	50 - 150
			D8-Naphthalene	2025/07/16		58	%	50 - 150
			Benzo(a)pyrene	2025/07/16	<0.10		ug	

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

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

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

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



Site Location: RAIN CARBON CANADA INC.

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

VALIDATION SIGNATURE PAGE

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

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



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: 2025/06/24

Report #: R8563335 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568236 Received: 2025/06/10, 16:30

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	5	N/A	2025/06/16	5 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/06/13	3 BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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

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

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



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/06/24

Report #: R8563335 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568236

Received: 2025/06/10, 16:30

Encryption Key

Julian Tong Project Manager Assistant 24 Jun 2025 11:41:40

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700



Client Project #: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ARUP46	ARUP47	ARUP49	ARUP50						
Sampling Date		2025/06/06	2025/06/06	2025/06/06	2025/06/06						
COC Number		na	na	na	na						
	UNITS	EAST CANISTER VOC JUNE 6, 2025/130	NORTH CANISTER VOC JUNE 6, 2025/14118	SOUTH CANISTER VOC JUNE 6, 2025/7866	OLD WEST CANISTER DUPLICATE VOC JUNE 6, 2025/272	QC Batch					
Volatile Organics											
Pressure on Receipt	psig	(-5.2)	(-4.0)	(-5.7)	(-4.7)	9951206					
QC Batch = Quality Contr	QC Batch = Quality Control Batch										

Bureau Veritas ID		ARUP51						
Sampling Date		2025/06/06						
COC Number		na						
	UNITS	NEW WEST CANISTER VOC JUNE 6, 2025/14236	QC Batch					
Volatile Organics								
Pressure on Receipt	psig	(-2.9)	9951206					
QC Batch = Quality Control Batch								



Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ARUP46			ARUP47				
Sampling Date		2025/06/06			2025/06/06				
COC Number		na			na				
	UNITS	EAST CANISTER VOC JUNE 6, 2025/130	ug/m3	DL (ug/m3)	NORTH CANISTER VOC JUNE 6, 2025/14118	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	3.98	12.7	0.319	0.58	0.10	1.85	0.319	9950337
Surrogate Recovery (%)	* *		!	'					
Bromochloromethane	%	94	N/A	N/A	100		N/A	N/A	9950337
D5-Chlorobenzene	%	88	N/A	N/A	84		N/A	N/A	9950337
Difluorobenzene	%	81	N/A	N/A	75		N/A	N/A	9950337
RDL = Reportable Detection QC Batch = Quality Contro			•	-		•			•

N/A = Not Applicable

Bureau Veritas ID		ARUP49			ARUP50				
Sampling Date		2025/06/06			2025/06/06				
COC Number		na			na				
	UNITS	SOUTH CANISTER VOC JUNE 6, 2025/7866	ug/m3	DL (ug/m3)	OLD WEST CANISTER DUPLICATE VOC JUNE 6, 2025/272	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	31.4	100	0.319	3.78	0.10	12.1	0.319	9950337
Surrogate Recovery (%)									
Bromochloromethane	%	97	N/A	N/A	105		N/A	N/A	9950337
D5-Chlorobenzene	%	92	N/A	N/A	86		N/A	N/A	9950337
Difluorobenzene	%	91	N/A	N/A	84		N/A	N/A	9950337

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

T.										
Bureau Veritas ID		ARUP51								
Sampling Date		2025/06/06								
COC Number		na								
	UNITS	NEW WEST CANISTER VOC JUNE 6, 2025/14236	RDL	ug/m3	DL (ug/m3)	QC Batch				
Volatile Organics										
Benzene	ppbv	1.28	0.10	4.08	0.319	9950337				
Surrogate Recovery (%)					•	•				
Bromochloromethane	%	109		N/A	N/A	9950337				
D5-Chlorobenzene	%	99		N/A	N/A	9950337				
Difluorobenzene	%	103		N/A	N/A	9950337				
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										
N/A = Not Applicable										



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

GENERAL COMMENTS

Results re	late only to	the items	tested
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Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9950337	TIM	Spiked Blank	Bromochloromethane	2025/06/16		106	%	60 - 140
			D5-Chlorobenzene	2025/06/16		106	%	60 - 140
			Difluorobenzene	2025/06/16		106	%	60 - 140
			Benzene	2025/06/16		109	%	70 - 130
9950337	TIM	Method Blank	Bromochloromethane	2025/06/13		116	%	60 - 140
			D5-Chlorobenzene	2025/06/13		110	%	60 - 140
			Difluorobenzene	2025/06/13		115	%	60 - 140
			Benzene	2025/06/13	<0.10		ppbv	
9950337	TIM	RPD	Benzene	2025/06/13	3.2		%	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.



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

Sampler Initials: RH

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list
Rotek Environmental Inc.

15 Keefer Court Hamilton, ON CANADA L8E 4V4

Report Date: 2025/06/24

Report #: R8563339 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568609 Received: 2025/06/11, 10:58

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/06/16	5 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/06/13	BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list

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

Report Date: 2025/06/24

Report #: R8563339 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C568609 Received: 2025/06/11, 10:58

Encryption Key



Bureau Veritas

24 Jun 2025 10:43:23

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

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

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



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

Sampler Initials: RH

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ARVH77						
Sampling Date		2025/06/09						
COC Number		na						
	UNITS	STN29164 06-JUN- 25/32571	QC Batch					
Pressure on Receipt	psig	(-4.3)	9951206					
QC Batch = Quality Control Batch								



Rotek Environmental Inc.
Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ARVH77			ARVH77				
Sampling Date		2025/06/09			2025/06/09				
COC Number		na			na				
	UNITS	STN29164 06-JUN- 25/32571	ug/m3	DL (ug/m3)	STN29164 06-JUN-25/32571 Lab-Dup	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.85	2.72	0.319	0.88	0.10	2.81	0.319	9950337
Surrogate Recovery (%)									
Bromochloromethane	%	104	N/A	N/A	105		N/A	N/A	9950337
D5-Chlorobenzene	%	99	N/A	N/A	95		N/A	N/A	9950337
Difluorobenzene	%	93	N/A	N/A	90		N/A	N/A	9950337

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

N/A = Not Applicable



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

GENERAL COMMENTS

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

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9950337	TIM	Spiked Blank	Bromochloromethane	2025/06/16		106	%	60 - 140
			D5-Chlorobenzene	2025/06/16		106	%	60 - 140
			Difluorobenzene	2025/06/16		106	%	60 - 140
			Benzene	2025/06/16		109	%	70 - 130
9950337	TIM	Method Blank	Bromochloromethane	2025/06/13		116	%	60 - 140
			D5-Chlorobenzene	2025/06/13		110	%	60 - 140
			Difluorobenzene	2025/06/13		115	%	60 - 140
			Benzene	2025/06/13	<0.10		ppbv	
9950337	TIM	RPD [ARVH77-01]	Benzene	2025/06/13	3.2		%	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.



Rotek Environmental Inc.
Client Project #: RAIN CARBON CANADA INC

Your P.O. #: 32669

Sampler Initials: RH

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC



Your Project #: RAIN CARBON CANADA INC.

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/07/07

Report #: R8570636 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C574186 Received: 2025/06/23, 08:46

Sample Matrix: Air # Samples Received: 4

		Date	Date		
Analyses	Quantity	y Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	3	N/A	2025/06/25	5 BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	1	N/A	2025/06/27	' BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	3	N/A	2025/06/25	5 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/06/27	' BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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



Your 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: 2025/07/07

Report #: R8570636

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C574186 Received: 2025/06/23, 08:46

Encryption Key

Julian Tong Project Manager Assistant 07 Jul 2025 11:31:32

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700



Client Project #: RAIN CARBON CANADA INC.

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASFK92		ASFK93	ASFK94	ASFK95				
Sampling Date		2025/06/18		2025/06/18	2025/06/18	2025/06/18				
COC Number		na		na	na	na				
	UNITS	EAST CANISTER VOC JUNE 18, 2025/7839	QC Batch	NORTH CANISTER VOC JUNE 18, 2025/7927	OLD WEST CANISTER VOC JUNE 18, 2025/17169	SOUTH CANISTER VOC JUNE 18, 2025/1252	QC Batch			
Volatile Organics										
Pressure on Receipt	psig	(-6.1)	9960437	(-4.9)	(-4.4)	(-5.4)	9958309			
QC Batch = Quality Control Batch										



Client Project #: RAIN CARBON CANADA INC.

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASFK92								
Sampling Date		2025/06/18								
COC Number		na								
	UNITS	EAST CANISTER VOC JUNE 18, 2025/7839	RDL	ug/m3	DL (ug/m3)	QC Batch				
Volatile Organics										
Benzene	ppbv	5.32	0.19	17.0	0.607	9959141				
Surrogate Recovery (%)			•							
Bromochloromethane	%	102		N/A	N/A	9959141				
D5-Chlorobenzene	%	99		N/A	N/A	9959141				
Difluorobenzene	%	99		N/A	N/A	9959141				
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable										

Bureau Veritas ID		ASFK93			ASFK94				
Sampling Date		2025/06/18			2025/06/18				
COC Number		na			na				
	UNITS	NORTH CANISTER VOC JUNE 18, 2025/7927	ug/m3	DL (ug/m3)	OLD WEST CANISTER VOC JUNE 18, 2025/17169	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	7.04	22.5	0.319	2.93	0.10	9.35	0.319	9957403
Surrogate Recovery (%)									
Bromochloromethane	%	72	N/A	N/A	96		N/A	N/A	9957403
D5-Chlorobenzene	%	79	N/A	N/A	91		N/A	N/A	9957403
Difluorobenzene	%	67	N/A	N/A	89		N/A	N/A	9957403

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Client Project #: RAIN CARBON CANADA INC.

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASFK95							
Sampling Date		2025/06/18							
COC Number		na							
	UNITS	SOUTH CANISTER VOC JUNE 18, 2025/1252	RDL	ug/m3	DL (ug/m3)	QC Batch			
Volatile Organics									
Benzene	ppbv	14.8	0.10	47.3	0.319	9957403			
Surrogate Recovery (%)			•						
Bromochloromethane	%	80		N/A	N/A	9957403			
D5-Chlorobenzene	%	83		N/A	N/A	9957403			
Difluorobenzene	%	76		N/A	N/A	9957403			
RDL = Reportable Detection L	imit		•						
QC Batch = Quality Control Batch									
N/A = Not Applicable									



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

GENERAL COMMENTS

Sample ASFK92 [EAST CANISTER VOC JUNE 18, 2025/7839] : Sample was pressurized due to high vacuum in can. The DL was adjusted accordingly.

Results relate only to the items tested.



Client Project #: RAIN CARBON CANADA INC.

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9957403	TIM	Spiked Blank	Bromochloromethane	2025/06/25		103	%	60 - 140
			D5-Chlorobenzene	2025/06/25		106	%	60 - 140
			Difluorobenzene	2025/06/25		104	%	60 - 140
			Benzene	2025/06/25		103	%	70 - 130
9957403	TIM	Method Blank	Bromochloromethane	2025/06/25		105	%	60 - 140
			D5-Chlorobenzene	2025/06/25		100	%	60 - 140
			Difluorobenzene	2025/06/25		100	%	60 - 140
			Benzene	2025/06/25	< 0.10		ppbv	
9959141	TIM	Spiked Blank	Bromochloromethane	2025/06/27		102	%	60 - 140
			D5-Chlorobenzene	2025/06/27		104	%	60 - 140
			Difluorobenzene	2025/06/27		104	%	60 - 140
			Benzene	2025/06/27		107	%	70 - 130
9959141	TIM	Method Blank	Bromochloromethane	2025/06/27		92	%	60 - 140
			D5-Chlorobenzene	2025/06/27		94	%	60 - 140
			Difluorobenzene	2025/06/27		81	%	60 - 140
			Benzene	2025/06/27	<0.10		ppbv	

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

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

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



Client Project #: RAIN CARBON CANADA INC.

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list

Rotek Environmental Inc.

15 Keefer Court

Hamilton, ON

CANADA L8E 4V4

Report Date: 2025/07/03

Report #: R8569118 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573464 Received: 2025/06/20, 09:13

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/06/27	' BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/06/27	' BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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

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

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



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list

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

Report Date: 2025/07/03

Report #: R8569118 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573464 Received: 2025/06/20, 09:13

Encryption Key



Bureau Veritas

03 Jul 2025 14:38:39

Please direct all questions regarding this Certificate of Analysis to:

Cristina (Maria) Bacchus, Project Manager Email: maria.bacchus@bureauveritas.com

Phone# (905)817-5763

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



Client Project #: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASDV92					
Sampling Date		2025/06/18					
COC Number		na					
	UNITS	STN29164 18-JUN-25- 35565	QC Batch				
Volatile Organics							
Pressure on Receipt psi		(-4.0)	9960283				
QC Batch = Quality Control Batch							



Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

						1				
Bureau Veritas ID		ASDV92								
Sampling Date		2025/06/18								
COC Number		na								
	UNITS	STN29164 18-JUN-25- 35565	RDL	ug/m3	DL (ug/m3)	QC Batch				
Volatile Organics										
Benzene	ppbv	0.60	0.10	1.92	0.319	9959107				
Surrogate Recovery (%)										
Bromochloromethane	%	98		N/A	N/A	9959107				
D5-Chlorobenzene	%	99		N/A	N/A	9959107				
Difluorobenzene	%	101		N/A	N/A	9959107				
RDL = Reportable Detection Limit										
QC Batch = Quality Control Ba	QC Batch = Quality Control Batch									
N/A = Not Applicable										



Client Project #: RAIN CARBON CANADA INC

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

GENERAL COMMENTS

Results relate only to the items tested.



Report Date: 2025/07/03

Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9959107	NS2	Spiked Blank	Bromochloromethane	2025/06/27		111	%	60 - 140
			D5-Chlorobenzene	2025/06/27		107	%	60 - 140
			Difluorobenzene	2025/06/27		111	%	60 - 140
			Benzene	2025/06/27		92	%	70 - 130
9959107	NS2	Method Blank	Bromochloromethane	2025/06/27		111	%	60 - 140
			D5-Chlorobenzene	2025/06/27		104	%	60 - 140
			Difluorobenzene	2025/06/27		114	%	60 - 140
			Benzene	2025/06/27	<0.10		ppbv	

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

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

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



Client Project #: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/07/10

Report #: R8573047 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C575797 Received: 2025/06/25, 16:35

Sample Matrix: Air # Samples Received: 1

	Date	Date	
Analyses	Quantity Extracted	Analyzed Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1 N/A	2025/07/03 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1 N/A	2025/07/03 BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/07/10

Report #: R8573047 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C575797 Received: 2025/06/25, 16:35

Encryption Key

Julian Tong

Project Manager Assistant 10 Jul 2025 07:51:09

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700



Client Project #: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASIK67		
Sampling Date		2025/06/20		
COC Number		na		
	UNITS	NEW WEST CANISTER #1 VOC JUNE 20, 2025	QC Batch	
Volatile Organics				
Pressure on Receipt	psig	(-3.9)	9962839	
QC Batch = Quality Control Batch				



Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASIK67			ASIK67				
Sampling Date		2025/06/20			2025/06/20				
COC Number		na			na				
	UNITS	NEW WEST CANISTER #1 VOC JUNE 20, 2025	ug/m3	DL (ug/m3)	NEW WEST CANISTER #1 VOC JUNE 20, 2025 Lab-Dup	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	0.19	0.621	0.319	0.18	0.10	0.587	0.319	9962577
Surrogate Recovery (%)									
Bromochloromethane	%	89	N/A	N/A	91		N/A	N/A	9962577
D5-Chlorobenzene	%	87	N/A	N/A	89		N/A	N/A	9962577
Difluorobenzene	%	87	N/A	N/A	91		N/A	N/A	9962577

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

N/A = Not Applicable



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

GENERAL COMMENTS

Results relate only to the items tested.



Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9962577	ANE	Spiked Blank	Bromochloromethane	2025/07/03		100	%	60 - 140
			D5-Chlorobenzene	2025/07/03		101	%	60 - 140
			Difluorobenzene	2025/07/03		101	%	60 - 140
			Benzene	2025/07/03		102	%	70 - 130
9962577	ANE	Method Blank	Bromochloromethane	2025/07/03		107	%	60 - 140
			D5-Chlorobenzene	2025/07/03		101	%	60 - 140
			Difluorobenzene	2025/07/03		109	%	60 - 140
			Benzene	2025/07/03	<0.10		ppbv	
9962577	ANE	RPD [ASIK67-01]	Benzene	2025/07/03	5.5		%	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.



Client Project #: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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



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: 2025/07/17

Report #: R8577373 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C579454 Received: 2025/07/03, 16:53

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	5	N/A	2025/07/10	D BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/07/10	D BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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



Your 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: 2025/07/17

Report #: R8577373

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C579454

Received: 2025/07/03, 16:53

Encryption Key

Julian Tong

Project Manager Assistant 17 Jul 2025 07:19:56

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

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Client Project #: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASPP10	ASPP11	ASPP12	ASPP13	
Sampling Date	ing Date 2025		2025/06/30	2025/06/30	2025/06/30	
COC Number	C Number		na	na	na	
	UNITS	EAST CANISTER VOC JUNE 30, 2025	NORTH CANISTER VOC JUNE 30, 2025	OLD WEST CANISTER VOC JUNE 30, 2025	SOUTH CANISTER VOC JUNE 30, 2025	QC Batch
Volatile Organics						
Pressure on Receipt	psig	(-6.2)	(-4.6)	(-4.9)	(-6.1)	9967117
QC Batch = Quality Contr	ol Batch	_		_	_	·

Bureau Veritas ID		ASPP14						
Sampling Date		2025/06/30						
COC Number		na						
	UNITS	QC Batch						
Volatile Organics								
Pressure on Receipt	psig	(-4.0)	9967117					



Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASPP10				ASPP11				
Sampling Date		2025/06/30				2025/06/30				
COC Number		na				na				
	UNITS	EAST CANISTER VOC JUNE 30, 2025	RDL	ug/m3	DL (ug/m3)	NORTH CANISTER VOC JUNE 30, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics										
Benzene	ppbv	0.95	0.18	3.05	0.575	2.48	0.10	7.92	0.319	9967118
Surrogate Recovery (%)									•	•
Bromochloromethane	%	88		N/A	N/A	87		N/A	N/A	9967118
D5-Chlorobenzene	%	85		N/A	N/A	88		N/A	N/A	9967118
Difluorobenzene	%	88		N/A	N/A	87		N/A	N/A	9967118
RDL = Reportable Detection QC Batch = Quality Control N/A = Not Applicable			•	•			•	•		

Bureau Veritas ID		ASPP12				ASPP13				
Sampling Date		2025/06/30				2025/06/30				
COC Number		na				na				
	UNITS	OLD WEST CANISTER VOC JUNE 30, 2025	RDL	ug/m3	DL (ug/m3)	SOUTH CANISTER VOC JUNE 30, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics										
Benzene	ppbv	3.18	0.10	10.2	0.319	12.7	0.18	40.7	0.575	9967118
Surrogate Recovery (%)										
Bromochloromethane	%	82		N/A	N/A	87		N/A	N/A	9967118
D5-Chlorobenzene	%	79		N/A	N/A	86		N/A	N/A	9967118
Difluorobenzene	%	81		N/A	N/A	87		N/A	N/A	9967118

RDL = Reportable Detection Limit QC Batch = Quality Control Batch

N/A = Not Applicable



Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASPP14				
Sampling Date		2025/06/30				
COC Number		na				
	UNITS	NEW WEST CANISTER VOC JUNE 30, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	1.20	0.10	3.84	0.319	9967118
Surrogate Recovery (%)						
Bromochloromethane	%	85		N/A	N/A	9967118
D5-Chlorobenzene	%	79		N/A	N/A	9967118
Difluorobenzene	%	84		N/A	N/A	9967118
RDL = Reportable Detection	Limit			-		
QC Batch = Quality Control I	Batch					
N/A = Not Applicable						



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

GENERAL COMMENTS

Sample ASPP10 [EAST CANISTER VOC JUNE 30, 2025] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.

Sample ASPP13 [SOUTH CANISTER VOC JUNE 30, 2025] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.

Results relate only to the items tested.



Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9967118	DM2	Spiked Blank	Bromochloromethane	2025/07/10		105	%	60 - 140
			D5-Chlorobenzene	2025/07/10		102	%	60 - 140
			Difluorobenzene	2025/07/10		105	%	60 - 140
			Benzene	2025/07/10		92	%	70 - 130
9967118	DM2	Method Blank	Bromochloromethane	2025/07/10		94	%	60 - 140
			D5-Chlorobenzene	2025/07/10		87	%	60 - 140
			Difluorobenzene	2025/07/10		95	%	60 - 140
			Benzene	2025/07/10	< 0.10		ppbv	

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

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

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



Client Project #: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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



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: 2025/07/23

Report #: R8580930 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582323 Received: 2025/07/10, 10:20

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/07/14	4 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/07/14	4 BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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

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

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



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: 2025/07/23

Report #: R8580930 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582323 Received: 2025/07/10, 10:20

Encryption Key



Bureau Veritas

23 Jul 2025 09:39:45

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

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Bureau Veritas 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.



Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASUN27	
Sampling Date		2025/07/02	
COC Number		na	
		STN29164 30-JUN-	
	UNITS	25/14900	QC Batch
Pressure on Receipt	psig	25/14900 (-2.8)	9971351



Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASUN27				
Sampling Date		2025/07/02				
COC Number		na				
	UNITS	STN29164 30-JUN- 25/14900	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.23	0.10	0.728	0.319	9969868
Surrogate Recovery (%)	-		•			
Bromochloromethane	%	96		N/A	N/A	9969868
D5-Chlorobenzene	%	93		N/A	N/A	9969868
Difluorobenzene	%	96		N/A	N/A	9969868

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



: C582323 Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

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

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C582323 Report Date: 2025/07/23 Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9969868	ANE	Spiked Blank	Bromochloromethane	2025/07/14		97	%	60 - 140
			D5-Chlorobenzene	2025/07/14		98	%	60 - 140
			Difluorobenzene	2025/07/14		98	%	60 - 140
			Benzene	2025/07/14		103	%	70 - 130
9969868	ANE	Method Blank	Bromochloromethane	2025/07/14		102	%	60 - 140
			D5-Chlorobenzene	2025/07/14		97	%	60 - 140
			Difluorobenzene	2025/07/14		105	%	60 - 140
			Benzene	2025/07/14	< 0.10		ppbv	
9969868	ANE	RPD	Benzene	2025/07/14	2.4		%	25

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

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

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

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



Rotek Environmental Inc.

Site Location: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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APPENDIX E

Field Notes