



REPORT

July 2025 Ambient Air Monitoring Report Rain Carbon Canada Inc.

Submitted by:

Rain Carbon Canada Inc.

725 Strathearne Avenue North Hamilton, Ontario L8H 5L3

August 2025

Distribution List

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Table of Contents

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

APPENDICES

APPENDIX A

Monitoring Plan

APPENDIX BLaboratory Analysis

APPENDIX C

Chain of Custody Forms

APPENDIX D

Certificates of Analysis

APPENDIX E

Field Notes

1.0 INTRODUCTION

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

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

This report includes the following information for measurements taken in July 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 July 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 July 2025 benzene monitoring results, all the summa canister pressures on receipt were within the MECP acceptable pressure of receipt of between -1.6 to -13.4 inches Hg except for at the east and north VOC monitors on the **Saturday July 12**, **2025**, **MECP monitoring event** which recorded summa canister pressures on receipt of – 17.1 inches Hg and -15.6 inches Hg respectively likely due to the very high ambient air temperature on the **Saturday July 12**, **2025**, **MECP monitoring event** impacting both the east and north VOC sampler timer air flows.

The north VOC monitor was successfully operated again on the **Tuesday July 16**, **2025**, **additional north VOC monitor monitoring event** and the east VOC monitor was successfully operated again on the **Saturday July 19**, **2025**, **additional east VOC monitor monitoring event**

Monitoring Event	Benzene	SUMMA Canis (inch				
Date	East	North	Old West	South	New West	HAMN STN 29164
July 12	- 17.1**	-15.6**	- 10.38*	-12.62*	- 8.14	-7.53
July 16 North Additional monitoring event	-	- 9.98	-	-	-	-
July 19 East Additional monitoring event	-12.83*	-	-	-	-	-
July 24	- 8.55	- 9.16	-10.59*	-12.42*	- 8.96	- 6.31

^{*}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
July 12	318.1	315.4	310.8	299.0	316.4	317.3
July 24	322.9	316.4	325.9	317.0	320.0	309.8

4.0 SUMMARY OF BENZENE MEASUREMENTS

Table 4: Summary of July 2025 Benzene Measurements

Manitaging		Mea				
Monitoring Event Date	East	North Old West South		New West	HAMN STN 29164	
July 12	Invalid sample**	Invalid sample**	4.11*	< 0.543*	4.06	0.876
July 16 North Additional monitoring day	-	84.2	-	-	-	-
July 19 East Additional monitoring day	13.0*	-	-	-	-	-
July 24	19.8	36.7	2.35*	1.39*	1.52	1.57

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

Two sets of benzene measurements were taken in July 2025. In addition, the north VOC monitor was successfully operated again on the **Tuesday July 16**, **2025**, **additional north VOC monitor monitoring event** and the east VOC monitor was successfully operated again on the **Saturday July 19**, **2025**, **additional east VOC monitor monitoring event**. The measurements range from < $0.543~\mu g/m^3$ to **84.3** $\mu g/m^3$ benzene, with the highest value being detected at the **north monitor** during the **Tuesday July 16**, **2025**, **MECP north additional monitoring event**.

All the benzene concentrations measured during the July 2025 MECP monitoring events were 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 July 2025 B(a)P Measurements.

Manitarina		Me				
Monitoring Event Date	East	North	Old West	South New West		HAMN STN 29164
July 12	0.00031	< 0.00032	< 0.00032	< 0.00033	< 0.00032	< 0.00032
July 24	0.00099	0.00120	0.00043	< 0.00032	0.00169	< 0.00032

Two sets of B(a)P measurements were taken in July 2025. The B(a)P measurements ranged from < $0.00032~\mu g/m^3$ to $0.00169~\mu g/m^3~B(a)P$, with the highest value being detected at the **new west monitor** during the **Thursday July 24, 2025, monitoring event**. All the B(a)P measurements are summarized in Table 5 above, and copies of the laboratory analysis reports are provided in Appendix B.

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

6.0 CONCLUSIONS

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

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

All of the summa canister pressures on receipt were within the MECP acceptable pressures of receipt of between -1.6 to -13.4 inches Hg except for at the east and north VOC monitors on the **Saturday July 12**, **2025**, **MECP monitoring event** which recorded summa canister pressure on receipt of – 17.1 inches Hg and -15.6 inches Hg respectively likely due to the very high ambient air temperature on the **Saturday July 12**, **2025**, **MECP monitoring event** impacting both the east and north VOC sampler timer air flows.

The north VOC monitor was successfully operated again on the **Tuesday July 16**, **2025**, **additional north VOC monitor monitoring event** and the east VOC monitor was successfully operated again on the **Saturday July 19**, **2025**, **additional east VOC monitor monitoring event**. In both cases the benzene concentrations measured were 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.

Submitted to:

Distribution List

Submitted by:

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September 2020

Distribution List

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

i

Table of Contents

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

FIGURES

Figure 1 – Site Plan

Figure 2 – Environmental Monitor Locations

APPENDICES

APPENDIX A

Site Photos

1.0 INTRODUCTION

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

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

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

1.1 Description of the Facility

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

1.2 Description of the Process

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

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

1.3 Operating Schedule

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

2.0 AIR QUALITY MONITORING PROGRAM

2.1 Sampling Systems and Methodology

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

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

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

Table 2.1: Standard Operation Procedures for Monitoring

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

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

2.1.1 Calibration

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

The monitoring equipment is calibrated by Rotek.

2.2 Monitor Locations

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

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.

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

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

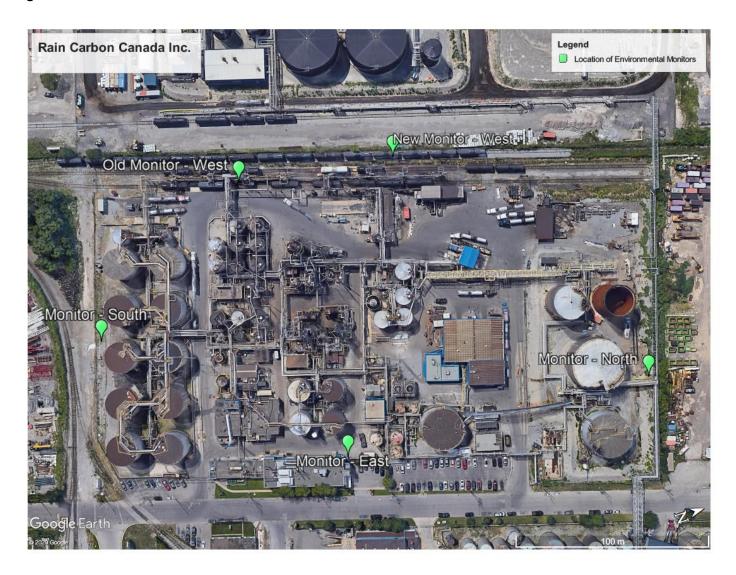
Rain Carbon Canada Inc.

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.





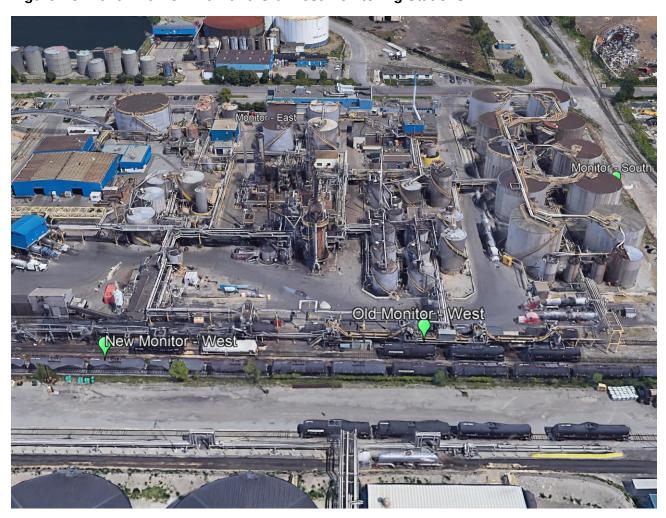
North monitor

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

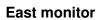




Figure A4: Aerial View 4 – East Monitoring Station

APPENDIX B

Laboratory Analysis

Rain Carbon Canada Inc. - Monthly BaP Sampling Report

Reporting Period : July 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	
July 12, 2025	
July 24, 2025	

Location					
East North Old West South New West S					STN29164
0.31	0.16	0.16	0.165	0.16	0.16*
0.99	1.20	0.43	0.16	1.69	0.16*

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

0.65	0.68	0.295	0.1625	0.925	0.16*
0.99	1.20	0.43	0.165	1.69	0.16*
0.31	0.16	0.16	0.16	0.16	0.16*
1	1	0	0	1	0*
2	2	2	2	2	2*
100	100	100	100	100	100*

^{*}These results alone follow Rotek reporting protocol.** Invalid sample as the total PUF volumes recorded were under the minimum volume requirement of 293.6 m^{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 : July 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
July 12, 2025
July 16, 2025
(additional north monitoring
event)
July 19, 2025
(additional east monitoring
event
July 24, 2025

Location						
East	East North Old West South New West STN29					
Invalid sample	Invalid sample	4.11	0.27	4.06	0.876*	
-	84.2	-	-	-	-	
13.0	-	-	-	-	-	
19.8	36.7	2.35	1.39	1.52	1.57*	

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

16.4	60.45	3.23	0.83	2.79	2.45*
198	84.2	4.11	1.39	4.06	1.57*
13.0	36.7	2.35	0.27	1.52	0.876*
2	2	0	0	0	0*
2	2	2	2	2	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 : July 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
12-Jul-25						0.16
24-Jul-25						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 0.16
Monthly Min	0.00	0.00	0.00	0.00	0.00	
No. of Samples >Standard	0	0	0	0	0	0
No. of Valid Samples	0	0	0	0	0	2
% Valid Data	100	100	100	100	100	100

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

Cor	mments		

Rain Carbon Canada Inc. - VOC Sampling Report

Reporting Period : July 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
12-Jul-25						0.88
24-Jul-25						1.57
	_					_
Monthly Ave	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.22
Monthly Max	0.00	0.00	0.00	0.00	0.00	1.57 0.88
Monthly Min	0.00	0.00	0.00	0.00	0.00	
No. of Samples >Standard	0 0		0	0	0	0
No. of Valid Samples	0	0	0	0	0	2
% Valid Data	100	100	100	100	100	100

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

Cor	mments		



APPENDIX C

Chain of Custody Forms

	0.07	A207 (S018	10/2	8		586	CAM FCD-01302 /3
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DUREAU VERIDAS	www.bvla	bs.com		Fax:	(905) 817-5	5777	ANALYSIS REQUESTED
CLIENT	Company Name		Canada Inc.				PAHs on PUF as per ERP 7013
INFORMATION	Project Manager e-mail		aincarbon.com				
SECTION	Address	: 725Strathear Hamilton, ON					
 	Phone	: 1-647-281-80	94	Fax:		42.5 5.5	
Î	Sampled by	: Robin Hart					
Field Sample ID			Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time	
East Monitor PAH July 1.	2, 2025 ASJM47-0	1	318.10		12/Jul/25	24 hours	x
North Monitor PAH July	12, 2025 ASJM48-0	01 "	315.40		12/Jul/25	24 hours	X
Old West Monitor PAH J			310.80		12/Jul/25	24 hours	
South Monitor PAH July			299.00		12/Jul/25	24 hours	× NONT-2025-07-3288
New West Monitor PAH	July 12, 2025 ASJI	M51-01	316,40		12/Jul/25	24 hours	
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STD 10 Business day Rush 5 Business day * Rush 2 Business day * * need approval from Bu Veritas	□ P0#	Rain Carbon 4500625271 BV Quote #:	Canada Inc. Cristina Bacch		Summary R	Report only EDD	Please note if these samples are "Industrial Hyglene" samples If submitting dustrial samples, please Indicate the diameter of the jar opening in cm. PROJECT SPECIFIC COMMENTS
Client Signature: Robin	Hart		Received by:	(an)	eypr	140020	y raw Willy
	onmental Engineer 5-Jul-25 11AM		Affiliation: Date/Time:	20 V	Tobs	17	7715
Unless otherwise agreed to in v	writing, work submitted o	on this Chain of Cu	stody is subject to	Bureau Verli	as Laboratorio	s' standard Term	s and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-
and designations							19/18/19- ON Dapacks

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2025/07/22 09:5	6740 Can	ga Ontari	d	Phone:	1-800-668- (905) 817-5 (905) 817-5	700		Cha	in of	Cus	tody	Form	ı - PUF	/ PAI		YSIS R		CD-01302 /: Page _1 red	
INVOICE INF	ORMATION		REPORT I									F		*					
Company Name: Ro	tek Environmental Inc	Compar	ny Name:	Rotek Env	ironmental Ir					IRIAL		FULL LIST OF VOCs (reference TO15A)	rbon	-C16)	ζ.				
Contact Name: Pa	ul Daszko	Project	Manager:	Paul Dasz	ko	of Hi	(6H			LSNC		Jua,	Iroca	(C10	peci	m			
Address: 15 Keefer Co	urt Hamilton	Address	Address 15 Keefer Court Hamil			ches	les of l		AIR	HALIN		s (refer	atic Hyd	nd F2	sase s	101 A			SED
ON L8E 4V4			ON L8E 4V	/4		M (ir	(inct		OR	MERC	10	ő	lipha	10) a	d-	y EP	ZE ZE		U TO
E-mail: poore@rotek	inc.com	E-mail:	jennifer.dav	vies@roteki	nc.com	כחח	NIN	UR	NDO	OMIN	GAS	OF.	rtic/A	Ç G	S,CC	F. b	IAL		SNC
Ph: 905 573 953	3	Ph:	905 573 95	33		VA	ACU	VAPOUR	NT/N	NT/C	LAB	IST.	roma	1 (0) Pe	- L	TA		ER
Sampled by: Robin Hart						START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL V	AMBIENT/INDOOR	AMBIENT/COMMERCIAL/INDUSTRIAL	SUB-SLAB	FULL L	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	PAHS on PUF by EPA TO13	DO NOT ANALYZE		CANISTERS NOT USED
Field S	Sample ID		BV PUF ID	Flow Regulator Serial #	Retrieval Date														
OTNOC404	10 1 105 BUI	- 44	10010101													.,			
STN29164	12-Jul-25 PUI	= #1	ARSJ64-01		14-Jul-25	1							-			Х	-		
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STD 10 Business day Rush 5 Business day * Rush 2 Business day * Rush Other *	☐ PO # Bureau Ver	Rain Ca 32669 itas Quote	rbon Canada #: Cristina Ba			EDD Regula		ON 1 ON 4 BC C	19		soil v 2) ple	apour ease lis	or ambi	ent air nisters c	on the c	hain of	our sam	ples are even if unu	sed
* need approval from Bureau	Veritas Task Orde	r/Line Ite	n								Anal	yse for	r BaP o	nly in n	g/m3.				
Client Signature: Doug Cunnin	gham	5.	Received by	/		14	cu	/~			-						ncarbon		3
	2 2025		Date/Time:		36A)			>5	10	<u></u>	dasz	ko@ro	tekinc.	com				otekinc.co	
Unless otherwise agreed to in writing available at http://www.bv/abs.com/	terms-and-conditions	ain of Custo		Bureau Verita	s Laboratories'	standan	Terms &	and Cor	nditions.	Signir	ng of thi	s Chain	of Custody	y docume	ent is ack	nowledgr	ment and a	cceptance of o	ur terms

Page 1 of 2



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

PAH Sample Submission Sheet

Sample Date	12-Jul-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Har

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

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter ID #	Install Date	MAGN On inH2O	Removal Date Removal Time	MAGN Off inH2O	Total Volume m3	Submission Date
STN29164	12 101 2025	PUF #1	ADC 162 04	11-Jul-25	200	02-Jul-25	07	0.1.0	04 1 1 05
31N29104	12 Jul 2025	ARSJ64-01	ARSJ63-01	13:00	39	11:30	37	317.3	21-Jul-25
					L				
	ment 1 :								
Com	ment 2 :								

BUREAU VERITAS	Į	6740 Campobeilo Rd Mississauga Ontario ,L www.bvlabs.com	5N 2L8	Phone:	1-800-668- (905) 817-5 (905) 817-5	700	CHAIN OF CUSTODY F	ORM - AIR			ANAI	YSIS REG	OUEST
CLIENT		ny Name: Rain Carbor	Canada Inc.	***		-	PAHs on PUF as per ERP 70	013				OIO REC	40201
INFORMATION	Project	Manager: Robin Hart					43			i i i			
		e-mail: <u>robin.hart@</u> i	aincarbon.com			Ar Video W. C.							
		Address: 725Strathea											l
SECTION		Hamilton, O	N	E 25									l
		Phone: 1-647-281-8	094	Fax:									
	Sai	mpled by: Robin Hart			•								
Field Sample ID			Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time							
East Monitor PAH July 24	, 2025 A	.SJN19-01	322.90		24/Jul/25	24 hours	x						
North Monitor PAH July 2	4, 2025 /	ASJN20-01	316.40		24/Jul/25	24 hours	x				1		
Old West Monitor PAH Ju	ily 24, 20	025 ASJN21-01	325.90		24/Jul/25	24 hours	x		•				-
South Monitor PAH July 2	24, 2025	ASJN22-01	317.00		24/Jul/25	24 hours	x	-		1			-
New West Monitor PAH J	uly 24, 2	025 ASJN23-01	320.00		24/Jul/25	24 hours	x	L		ļ			
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STD 10 Business day 5 Rush 5 Business day 5 Rush 2 Business day 5	j	Project #: Name: Rain Carbon PO #: 4500625271			Summary R		v v		lf submitti jar openin	ote if these ng dustfall g in cm. Γ SPECIFIO	samples,	, please i	
* need approval from Bur	* need approval from Bureau BV Quote #:												
Veritas		BV Contact:	Cristina Bacci	nus	2.4	0 11.			955.				
Client Signature: Robin Affiliation: Enviro	Hart nmental	Engineer	Received by: Affiliation:	ASI	tlly x	relleeu	and the second						
		6:00 PM	Date/Time:	- 454	THA	- SURG	with 2022/02/28	-18:31					
			stody is subject to	Bureau Verita	s Laboratories'	standard Terms	and Conditions. Signing of this Chain		is acknowledgme	ent and accep	tance of ou	ır terms ave	allable at

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CAM FCD-01302 /3 Chain of Custody Form - PUF / PAH 6740 Campobello Rd Toll Free: 1-800-668-0639 Page _1_ of 2 W Mississauga Ontario ,L5N 2L8 Phone: (905) 817-5700 DUREAU www.bylabs.com Fax: (905) 817-5777 ANALYSIS REQUESTED INVOICE INFORMATION REPORT INFORMATION FULL LIST OF VOCs (reference TO15A) Rotek Environmental Inc Company Name: Company Name: Rotek Environmental In (C6-C10) and F2 (C10-C16) AMBIENT/COMMERCIAL/INDUSTRIAL BTEX/Aromatic/Aliphatic Hydrocarbon Selected VOC's - please specify (inches of Hg) Paul Daszko Project Manager: Paul Daszko Contact Name: T013 of Address: 15 Keefer Court Hamilton Address 15 Keefer Court Hamilton NOT USED AMBIENT/INDOOR AIR EPA ON L8E 4V4 ON L8E 4V4 DO NOT ANALYZE VACUUM on PUF by SUB-SLAB GAS VACUUM SOIL VAPOUR E-mail: poore@rotekinc.com E-mail: jennifer.davies@rotekinc.com CANISTERS Ph: 905 573 9533 BTEX/F1 905 573 9533 Ph: START PAHS END Sampled by: Robin Hart Flow Field Sample ID BV PUF ID Regulator Retrieval Serial # Date STN29164 24-Jul-25 PUF #1 ARSK08-01 ---X 28-Jul-25 ---NONT-2025-07-6073 **TAT Requirement** PROJECT INFORMATION REPORTING REQUIREMENTS 1) please indicate on chain of custody if your samples are 4 STD 10 Business day Project #: EDD soil vapour or ambient air Name: Rain Carbon Canada Inc Rush 5 Business day * Regulations ON 153 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 Contac 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, July 29 2025 10:40 A.M. 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 Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-and-conditions



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

PAH Sample Submission Sheet

Sample Date	24-Jul-25
Project ID	Rain Carbon Canada Inc
Sampler Model	TE-1000
Site Operator	York Zhang / Robin Hart

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

Station No.	Sample Date	PUF Cartridge #	Maxxam Filter ID #	Install Date	MAGN On inH2O	Removal Date Removal Time	MAGN Off inH2O	Total Volume m3	Submission Date
STN29164	24 141 2025	PUF #1	ARSK07-01	23-Jul-25	0.7	28-Jul-25			
51N29104	24 Jul 2025	ARSK08-01	ARSKU7-01	14:15	37	11:30	35	309.8	29-Jul-25
Comr	nent 1 :								
	nent 2 :								

16-Jul-25 08:50

	6740 Campobello Rd Toll Free: 1-8 Mississauga Ontario ,L5N 2L8 Phone: (90 www.bylabs.com Fax: (90 INVOICE INFORMATION REPORT INFORMATION								Chai	n of	Cus	tody	Form	- Sum	ıma™	Ca Ah	ulian Fong 		CD-0130	2 /3	1
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Company Na	me: Rain Carbon	Canada Inc Con	npany Name:	Ra	ain Carbo	n Canada				2	MAL		5	po-	C16)			1			76
Contact Nam	e:Robin Hart	Proj	ect Manager:	Re	obin Hart		s of Hg)	(BH J			AMBIENT/COMMERCIAL/INDUSTRIAL		OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify					
Address:	725Stratheame Avenu	e Add	ress: 725Si	rathearr	ne Avenue	•	che	es o		E E	IAL	1808	ē	tic F	P F	ase				-	SED
	Hamilton, ON		Hamil	on, ON			M (in	inch		OR /	ERC		ő	lipha	0) a	ald.					Ţ
E-mail:	robin.hart@raincarbon.	com E-m	ail: robin.	nart@ra	incarbon	com	coun) MO	OUR	OQN	COMIN	GAS	P.	atic/A	C6-C1	,00°					S NO
Ph:	1-647-281-8094	Ph:	1-647	-281-80	94		7.74	ACL	VAPOUR	/IN	N	IAE	LIST	Arom	F	be V				- 1	TEF
Sampled by:	Robin Hart						START VACUUM (inches	END VACUUM (inches of Hg)	SOIL	AMBIENT/INDOOR AIR	AMBIE	SUB-SLAB GAS	FULL LIST	BTEX!!	BTEX/	Select	Other				CANISTERS NOT USED
	Field Sample I	D	Can Seri		Flow Regulator Serial #	Collection Date		50				166	3								
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	ister VOC July 12, 2025			4549		12-Jul-25	Hillist	100		Wall					,	x					242
	r VOC July 12, 2025			7820		12-Jul-25	13.4	11.5	530	OSE.		n.				×					1612
	nister VOC July 12, 2025	i	1	8251		12-Jul-25	Walk.		3/05		1000					х					
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Rush Other *	ess day	Bureau Veritas C							BC C		□	PRO	JECT	SPEC	IFIC C	ОММЕ	ENTS				
		Bureau Veritas C	Contact: Cristi	na Bacc	hus		Other														
* need appro	val from Bureau Veritas	Task Order/Line	e Item									-									
Client Signatur	e: Robin Har <u>t Environme</u>	ntal Engineer	Recei	ved by:	2	Az G 2025/	indy	Von	7												
Date/Time:	12/Jul/25 11:00 Al	И	Date	Time:		2025/	0.7	116	08.	50	7	PLE	ASE	RETUR	N ALL	. UNU	SED EQUIPMENT				
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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	12-Jul-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	Date	Installation Time	Initial Pressure	Time On	Time Off	Elapsed Time	Final Pressure	Retrieval Date	Retrieval Time
0.122		dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST
STN29164	7793	12-Jul-25	08-Jul-25	14:30	-30.0	00:01	23:59	24.0	-9.0	14-Jul-25	15:50
											-
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6740 Camp Mississauga

6740 Campobello Rd Mississauga Ontario ,L5N 2L Summa™ Canister

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Company Nam	ne:	Rotek Enviro	nmental Inc	Company I	lame:	Rotek Envi	ronmental Inc	-6	2			٠.	RIAL		VOCs (reference TO15	rbon	-C16)	ý					
Contact Name		Paul Daszko		Project Ma	nager:	Paul Daszk	0		of Hg)	of Hg)			rsnar		renc	droca	(C10	specif					
Address:	15 Keefer	Court Hamilto	on	Address:	15 Keefer C	Court Hamilt	on		(inches	les of		AIR	IALI		s (refe	atic Hy	nd F2	- please specify	yze				SED
	ON L8E 4	IV4			ON L8E 4V	4				inct		OR	ERC		Ö	liph	6	ā	Analyze				T.
E-mail:	poore@ro	otekinc.com		E-mail:	jennifer.da	vies@roteki	nc.com		START VACUUM	END VACUUM (inches	VAPOUR	AMBIENT/INDOOR AIR	AMBIENT/COMMERCIAL/INDUSTRIAL	B GAS	P	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's	Not				CANISTERS NOT USED
Ph:	905 573 9	9533		Ph:	905 573 95	33		;	2	AC	VAP	IN	IN	3	.S	Aron	FI (pe)	å) TE
Sampled by:	Robin Ha	art		4					STAR	END !	SOIL	AMBI	AMBIE	SUB-SLAB	FULL LIST	BTEX// Fractio	втех	Select	Other				CANIS
	F	ield Sample ID)		Canister Serial #	Flow Regulator Serial #	Retrieval Da	ite															
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STN291	164	12-Jul-25			7793		14-Jul-25											Х					
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Rush 5 Business day * Name: Rain Carbon Canada II Rush 2 Business day * PO #: 32669								110	guiat	10113	ON 4		Ħ	Z) pie	1030 113	an can	131013 0	iii tiio c	nam or	cusiou	ovon i	unuson	u
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* need approval from Bureau Veritas Taek Order/Line Item														Ana	lyse fo	r Benz	ene on	ly in ug	J/m³.				
Client Signature: Doug Cunningham A Received by:								you	15	F	5			1300000		py resu		2000000	and the contract of the contra	incarb	on.com	l,	
Date/Time: JULY 22 2025 Date/Time:							25 (2)	1/14	/		91	4		rob	in.har	t@rainc	arbon.						n,
Unless otherwise a					s subject to But	eau Veritas La		Terms an	d Con	ditions	Signing	of this	Chain			iment is a		iament a	nd accen	tance of c	our terms	available	at

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(D)	INVOICE INFORMATION REPORT INFORMATION								in of	Cus	stody		n - Sur	nma™	C	Julian Tong	AM F	Page_	02 /3	
Company Name Contact Name Address:	ne: Rain Carbon	Canada Inc Company Project Ma	Name: nnager:		on Canada	100	ies of Hg)		AIR	CIALINDUSTRIAL		s (reference TO15A	atic Hydrocarbon	nd F2 (C10-C16)		21V AIR-001				SED
E-mail:	Hamilton, ON robin.hart@raincarbon. 1-647-281-8094 Robin Hart	Hamilton, (robin.hart@1-647-281	@raincarbon	ı.com	START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR,	AMBIENT/COMMERCIAL/INDUSTRIAL	SUB-SLAB GAS	FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	Other				CANISTERS NOT USED	
	Field Sample I	D	Canister Serial #	Flow Regulator Serial #	Collection Date							3								
	/OC July 15, 2025 VOC July 16, 2025		305 27575	1	15-Jul-25 16-Jul-25									,	×					
Client Signature:	ss day	7	on Canada Inc	occhus	REPORTI	EDD Regula	ations.	ON 1 ON 4 BC C	153 119	2>	soil (2) pl	ease in vapour ease lis	or amb st all can SPEC	ent air nisters d	on the c	tody if your samples are chain of custody even if unused ENTS SED EQUIPMENT				
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	Miss	Campobello Rd issauga Ontario ,L .bvlabs.com	5N 2L8	Phone:	1-800-668 (905) 817- (905) 817-	5700		Cna	in or	cus	tody	FORM	ı - Sun	ima		C588707			Page _	1	1
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Company Na	ame: Rain Carbon Cana	da Inc Company I	Name:	Rain Carbo	on Canada	0				RIAL		FULL LIST OF VOCs (reference TO15A)	Fod.	-C16)	1	√ AIR-001 					
Contact Nan	ne:Robin Hart	Project Ma	nager:	Robin Han	ţ	s of Hg)	END VACUUM (inches of Hg)			AMBIENT/COMMERCIAL/INDUSTRIAL		ference	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify						
Address:	725 Strathearne Avenue	Address:	725 Strathe	earne Aven	ue	псће	hes o		AIR	CIAL		s (re	atic h	and F	ease					1	35.
	Hamilton, ON		Hamilton, C	N		JM (I	(Incl		OOR	MER	S	000	Aliph	(01:	lq - s					Ę	5
E-mail:	robin hart@raincarbon.com	E-mail:	robin hart@	raincarbon	.com	1COL	NON	OUR	INDC	COM	B GA	P	natic/	95	000					2	3
Ph:	1-647-281-8094	Ph:	1-647-281-	8094		N IS	VAC	VAP	ENT	ENT	SLA	LIS	/Aron	E	ted		*			1	1 2
Sampled by:	: Robin Hart					START VACUUM (inches	END	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMB	SUB-SLAB GAS	FULL	BTEX	втех	Selec	Other				NA C	CANISIERS NOI USED
	Field Sample ID		Canister Serial #	Flow Regulator Serial #	Collection Date						200	1					13				
#1 East Cani	ister VOC July 19, 2025		14253		19-Jul-25	7		III)P		Lauren					x			+	-	5.30	500
Market Strategy	ister VOC July 19, 2025		14252		19-Jul-25	0.000	1	SEL.		No.	555				×			_			-
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Client Signatu	ness day Pro ness day Pro ness day Pro ness day Description ness day Transport Pro Bure Bure Bure Bure Robin Hart Environmental En		Cristina Ba	cchus	Ay (EDD Regula	ations	ON 1 ON 4 BC C	53 19 :SR		soil v 2) pl	ease in vapour ease lis	or ambi st all car SPEC	ent air nisters d	OMME		à	-31			
Date/Time:	22/Jul/25 4:00 PM		Date/Time:		102	10.	+/2.	5 -	00 7	U.	PLE	ASE I	RETUR	N ALL	_ UNU	SED EQUIPMENT			_		- 1
ρm																					

CAM	FCD-01302	/3

DUREAU BUREAU

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

Chain of Custody Form - Summa™ Canister

Page _

BUREAU VERITAS		Mississa www.bvla	uga Ontario ,L! <u>abs.com</u>		Fax	: (905) 817- : (905) 817-										ANAL'	YSIS REQUESTED			
	INVOICE INFORM	ATION		REPORT II	NFORMAT	ION							5A)							
Company Nar	ne: Rain Car	bon Canada In	Company N	lame:	Rain Carb	on Canada					RIAL		101	rbon	·C16)	_				
Contact Name	e:Robin Ha	ırt	Project Mar	nager:	Robin Har	t	of Hg)	(bH			AMBIENT/COMMERCIAL/INDUSTRIAL		(reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	(C6-C10) and F2 (C10-C16)	specify				
Address:	725Strathearne Ave	enue	Address:	725Strathe	arne Avenu	ie	START VACUUM (inches	END VACUUM (inches of Hg)		AIR	SIAL/III		s (refe	atic H)	nd F2	please s				SED
	Hamilton, ON			Hamilton, C	ON		IM (ir	(incf		OR.	MER	v	VOCs	Aliph	10) a					OT U
E-mail:	robin.hart@raincart	on.com	E-mail:	robin.hart@	raincarbor	n.com	1CUL	NON	VAPOUR	JUND	COM	B GA	P	natic/	0-90	VOC's				SS N
Ph:	1-647-281-8094		Ph:	1-647-281-	8094		27 V/	VAC		ENT	ENT	SLAI	LISI	/Aron	JFI (ted \	_			STEF
Sampled by:	Robin Hart						STAF	END	SOIL	AMBIENT/INDOOR AIR	AMBI	SUB-SLAB GAS	FULL LIST OF	BTEX	BTEX/F1	Selected	Other			CANISTERS NOT USED
	Field Sam _l	ole ID		Canister Serial #	Flow Regulator Serial #	Collection Date														
																		<u> </u>	<u> </u>	
	#1 VOC July 24, 202	5		23655		24-Jul-25						-				Х		 	<u> </u>	
	VOC July 24, 2025			27659		24-Jul-25										X		—	 	
	ister VOC July 24, 20	25		27696		24-Jul-25						1				X		₩	+	
	r VOC July 24, 2025			27589		24-Jul-25						1				X			 	
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East Canister	#2 VOC July 24, 202)		32572		24-Jul-25										Х		\vdash	 	
				1														₩	 	
																			 	
TAT Requiren STD 10 Busine Rush 5 Busine Rush 2 Busine	ess day	Project #	#: Rain Carbon Robin Hart #: 4500625271	n Canada Inc.		REPORTIN	NG RE		ON 1	153		soil v	ease in apour	or ambie	ent air		I ody if your samples are hain of custody even if unused	<u>I</u>	<u>I</u>	
Rush Other *	ss day	Bureau Ve	eritas Quote #: eritas Contact:	Cristina Ba	cchus	<u>-</u> -	Other		BC C			PRC	JECT	SPEC	IFIC C	ОММЕ	INTS			
* need approv	ral from Bureau Verita	as Task Ord	er/Line Item									1								
Client Signature	: Robin Har <u>t Environ</u>	mental Enginee	er	Received by	<u> </u>							-								
Date/Time:	28/Jul/25 6:30	PM		Date/Time:								PLE	ASE I	RETUR	RN ALL	UNUS	SED EQUIPMENT			
nm																				



15 Keefer Court Hamilton, Ontario L8E 4V4 hone 905 573 9533 ax 905 578 5167

VOC Canister Sample Submission Sheet

Sample Date	24-Jul-25
Project Name	Rain Carbon Canada Inc.
Contact Name	Paul Daszko
Contact Number	905 531 2815

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

Station Number	Canister ID Number	Sample Date	Installation Date	Installation Time	Initial Pressure	Time On	Time Off	Elapsed Time	Final Pressure	Retrieval Date	Retrieval Time
		dd/mm/yy	dd/mm/yy	EST	inHg	EST	EST	Hours	inHg	dd/mm/yy	EST
STN29164	23455	24-Jul-25	23-Jul-25	14:30	-30.0	00:01	23:59	24.0	-9.0	28-Jul-25	11:15
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VERTAS	INVOICE INFORMATION	os.com	REPORT I	Fax:	(905) 817-5777 DN	To a			= 1,71			æ			ANAL	YS
Company Nar	ne: Rotek Environmental Inc	Company	Name:	Rotek Envir	onmental Inc					IIAL,		T015/	uoq	C16)		
Contact Name	: Paul Daszko	Project Ma	nager:	Paul Daszk	0	START VACUUM (inches of Hg)	(бн		2	AMBIENT/COMMERCIAL/INDUSTRIAL		FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	
Address:	15 Keefer Court Hamilton	Address:	15 Keefer	Court Hamilto	on	ches	END VACUUM (inches of Hg)		AIR	HALIN		s (refe	itic Hy	nd F2	sase s	
	ON L8E 4V4		ON L8E 4\	/4		M (in	(inch		OR	WERC	6	NOC.	Nipha	10) a	jd -	
E-mail:	poore@rotekinc.com	E-mail:	jennifer.da	vies@roteki	nc.com	COU	MOL	OUR	INDO	COM	GAS	OF	atic//	2-92	5,00	
Ph:	905 573 9533	Ph:	905 573 95	33		TVA	VACE	VAP	ENT/	ENT	SLAE	LIST	Arom	/F1 (bed V	
Sampled by:	Robin Hart					STAR	END	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBI	SUB-SLAB GAS	FULL	BTEX/	ВТЕХ	Selec	
	Field Sample ID		Canister Serial #	Flow Regulator Serial #	Retrieval Date											
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VERTAS		www.bvlab	s.com	LOITELO		(905) 817-5777										ANAL	YSIS R	EQUES	TED		
	INVOICE INFORM	ATION		REPORT I	NFORMATI	ON				= 200			₹								119
Company Nan	ne: Rotek E	nvironmental Inc	Company	Name:	Rotek Env	ronmental Inc					SIAL		T015	pou	C16)						
Contact Name	Paul Da	szko	Project M	anager:	Paul Daszi	(0	of Hg)	of Hg)		24	AMBIENT/COMMERCIAL/INDUSTRIAL		OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify					
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	ON L8E 4V4			ON L8E 4V	/4			(inch		JOR /	MERC	S	VOCS	Alipha	10) aı	ed - s	Anal				DT US
E-mail:	poore@rotekinc.co	om	E-mail:	jennifer.da	vies@rotek	inc.com	VACUUM	END VACUUM (inches	VAPOUR	AMBIENT/INDOOR AIR	COM	B GAS	TOF	natic//	D-90)	Noc:	- Do Not Analyze				CANISTERS NOT USED
Ph:	905 573 9533		Ph:	905 573 95	33			VAC	VAP	ENT	ENT	SLA	LIST	Aron	FF.	ted					STE
Sampled by:	Robin Hart		77				START	END	SOIL	AMBI	AMB	SUB-SLAB	FULL	BTEX	втех	Selec	Other				CANI
	Field Sam	ple ID		Canister Serial #	Flow Regulator Serial #	Retrieval Date															
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Client Signature Date/Time:	ess day siss day sis day sis day siss day sis d	Project #: Name: PO #: Bureau Ver Bureau Ver tas Task Orde	Rain Carb 32669 itas Quote # itas Contact r/Line Item	on Canada In Cristina Ba Received by Date/Time:	cchus	REPORTING REQU	To please indicate on chain of custody if your samples are soil vapour or ambient air 2) please list all canisters on the chain of custody even if un PROJECT SPECIFIC COMMENTS Other PROJECT SPECIFIC COMMENTS Please issue Summa canister pressure upon receipt. Analyse for Benzene only in ug/m³. Please copy results to york.zhang@raincarbon.com, robin.hart@raincarbon.com, jennifer.davies@rotekinc.daszko@rotekinc.com							unused	•						
	agreed to in writing, work com/terms-and-condition		ain of Custody	is subject to Bu	reau Veritas La	boratories standard Terri	ns and &c	nditions.	L ignin	g of this	Chain	of Cust	ody doc	ıment is a	cknowled	dgment a	nd accep	tance of c	ur terms a	evailable at	

CAM FCD-01302 /3

Page _2_ of __2_



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: 2025/07/25

Report #: R8582795 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C585049 Received: 2025/07/15, 17:15

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	4	2025/07/16	2025/07/16	BRL SOP-00201	
Calculated Polyaromatic Hydrocarbons	1	2025/07/16	2025/07/25	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/07/18	2025/07/24	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/07/16		

Remarks:

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

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

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

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

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

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

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

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



Your P.O. #: 4500625271

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: 2025/07/25

Report #: R8582795

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C585049 Received: 2025/07/15, 17:15

Encryption Key

Julian Tong Project Manager Assistant 25 Jul 2025 14:34:07

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

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 AIR

Bureau Veritas ID		ASZQ13	ASZQ14	ASZQ15	ASZQ16	
Sampling Date		2025/07/12	2025/07/12	2025/07/12	2025/07/12	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH JULY 12, 2025 ASJM47-01	NORTH MONITOR PAH JULY 12, 2025 ASJM48-01	OLD WEST MONITOR PAH JULY 12, 2025 ASJM49-01	SOUTH MONITOR PAH JULY 12, 2025 ASJM50-01	QC Batch
Volume	m3	318.1	315.4	310.8	299.0	ONSITE
QC Batch = Quality Cont	rol Batch					

Bureau Veritas ID		ASZQ17	
Sampling Date		2025/07/12	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH JULY 12, 2025 ASJM51-01	QC Batch
Volume	m3	316.4	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		ASZQ13	ASZQ14	ASZQ15	ASZQ16		
Sampling Date		2025/07/12	2025/07/12	2025/07/12	2025/07/12		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH JULY 12, 2025 ASJM47-01	NORTH MONITOR PAH JULY 12, 2025 ASJM48-01	OLD WEST MONITOR PAH JULY 12, 2025 ASJM49-01	SOUTH MONITOR PAH JULY 12, 2025 ASJM50-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.10	<0.10	<0.10	<0.10	0.10	9972466
Surrogate Recovery (%)							
D10-2-Methylnaphthalene	%	88	80	78	86		9972466
D10-Anthracene	%	84	74	82	90		9972466
D10-Fluoranthene	%	100	86	102	112		9972466
D10-Fluorene (FS)	%	86	68	84	94		9972466
D10-Phenanthrene	%	100	86	96	106		9972466
D12-Benzo(a)anthracene	%	98	102	102	104		9972466
D12-Benzo(a)pyrene	%	72	72	72	76		9972466
D12-Benzo(b)fluoranthene	%	100	104	90	100		9972466
D12-Benzo(ghi)perylene	%	98	100	98	102		9972466
D12-Benzo(k)fluoranthene	%	104	96	106	108		9972466
D12-Chrysene	%	104	102	102	104		9972466
D12-Indeno(1,2,3-cd)pyrene	%	98	100	98	100		9972466
D12-Perylene	%	96	94	94	98		9972466
D14-Dibenzo(a,h)anthracene	%	98	100	98	100		9972466
D14-Terphenyl (FS)	%	100	86	100	108		9972466
D8-Acenaphthylene	%	96	80	84	90		9972466
D8-Naphthalene	%	76	82	66	70		9972466

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		ASZQ17		
Sampling Date		2025/07/12		
COC Number		N/A		
	UNITS	NEW WEST MONITOR PAH JULY 12, 2025 ASJM51-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9972466
Surrogate Recovery (%)	•		•	•
D10-2-Methylnaphthalene	%	78		9972466
D10-Anthracene	%	76		9972466
D10-Fluoranthene	%	92		9972466
D10-Fluorene (FS)	%	20 (1)		9972466
D10-Phenanthrene	%	88		9972466
D12-Benzo(a)anthracene	%	108		9972466
D12-Benzo(a)pyrene	%	74		9972466
D12-Benzo(b)fluoranthene	%	94		9972466
D12-Benzo(ghi)perylene	%	104		9972466
D12-Benzo(k)fluoranthene	%	112		9972466
D12-Chrysene	%	108		9972466
D12-Indeno(1,2,3-cd)pyrene	%	104		9972466
D12-Perylene	%	98		9972466
D14-Dibenzo(a,h)anthracene	%	104		9972466
D14-Terphenyl (FS)	%	90		9972466
D8-Acenaphthylene	%	86		9972466
D8-Naphthalene	%	76		9972466

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.



Client Project #: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASZQ13		ASZQ14	ASZQ15				
Sampling Date		2025/07/12		2025/07/12	2025/07/12				
COC Number		N/A		N/A	N/A				
	UNITS	EAST MONITOR PAH JULY 12, 2025 ASJM47-01	RDL	NORTH MONITOR PAH JULY 12, 2025 ASJM48-01	OLD WEST MONITOR PAH JULY 12, 2025 ASJM49-01	RDL	QC Batch		
Calculated Parameters									
Benzo(a)pyrene	ug/m3	0.00031	0.00031	<0.00032	<0.00032	0.00032	9970697		
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									

Bureau Veritas ID		ASZQ16		ASZQ17					
Sampling Date		2025/07/12		2025/07/12					
COC Number		N/A		N/A					
	UNITS	SOUTH MONITOR PAH JULY 12, 2025 ASJM50-01	RDL	NEW WEST MONITOR PAH JULY 12, 2025 ASJM51-01	RDL	QC Batch			
Calculated Parameters									
Benzo(a)pyrene	ug/m3	<0.00033	0.00033	<0.00032	0.00032	9970697			
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

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nesuits	elate Ulliv	to the items t	esteu.



Report Date: 2025/07/25

RAIN CARBON Canada Inc.

Client Project #: RAIN CARBON CANADA INC.

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9972466	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/07/24		62	%	50 - 150
			D10-Fluoranthene	2025/07/24		96	%	50 - 150
			D10-Phenanthrene	2025/07/24		84	%	50 - 150
			D12-Benzo(a)anthracene	2025/07/24		94	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/24		74	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/24		106	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/24		98	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/24		90	%	50 - 150
			D12-Chrysene	2025/07/24		96	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/24		96	%	50 - 150
			D12-Perylene	2025/07/24		96	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/24		94	%	50 - 150
			D8-Acenaphthylene	2025/07/24		68	%	50 - 150
			D8-Naphthalene	2025/07/24		58	%	50 - 150
			Benzo(a)pyrene	2025/07/24		88	%	50 - 150
9972466	MPQ	RPD	Benzo(a)pyrene	2025/07/24	5.6		%	50
9972466	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/07/24		80	%	50 - 150
			D10-Fluoranthene	2025/07/24		102	%	50 - 150
			D10-Phenanthrene	2025/07/24		92	%	50 - 150
			D12-Benzo(a)anthracene	2025/07/24		100	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/24		76	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/24		98	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/24		100	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/24		106	%	50 - 150
			D12-Chrysene	2025/07/24		102	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/24		100	%	50 - 150
			D12-Perylene	2025/07/24		98	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/24		98	%	50 - 150
			D8-Acenaphthylene	2025/07/24		86	%	50 - 150
			D8-Naphthalene	2025/07/24		76	%	50 - 150
			Benzo(a)pyrene	2025/07/24	<0.10		ug	

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

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

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

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



ureau Veritas Job #: C585049 RAIN CARBON Canada Inc.
eport Date: 2025/07/25 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 rep	oort were reviewed and validated by:
/ -	

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

Onotine Barchus

Cristina (Maria) Bacchus, Project Manager

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Your P.O. #: 32669

Your Project #: RAIN CARBON CANADA INC

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

Attention: Ruetgers list

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

Report Date: 2025/07/31

Report #: R8586486 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C588276 Received: 2025/07/22, 09:59

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/07/22	2025/07/31	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/07/24	2025/07/29	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/07/22		

Remarks:

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

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

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

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

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

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

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

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



Your P.O. #: 32669

Your Project #: RAIN CARBON CANADA INC

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

Attention: Ruetgers list

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

Report Date: 2025/07/31

Report #: R8586486 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C588276 Received: 2025/07/22, 09:59

Encryption Key



Bureau Veritas

31 Jul 2025 17:28:05

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.

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

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ATFW72				
Sampling Date		2025/07/12				
COC Number		N/A				
	UNITS	STN29164 12-JULY-25 PUF# 1	QC Batch			
Volume	m3	317.3	ONSITE			
QC Batch = Quality Control Batch						



Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

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

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ATFW72		
Sampling Date		2025/07/12		
COC Number		N/A		
	UNITS	STN29164 12-JULY-25 PUF# 1	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9976011
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	88		9976011
D10-Fluoranthene	%	108		9976011
D10-Fluorene (FS)	%	50		9976011
D10-Phenanthrene	%	110		9976011
D12-Benzo(a)pyrene	%	78		9976011
D12-Benzo(b)fluoranthene	%	106		9976011
D12-Benzo(ghi)perylene	%	100		9976011
D12-Benzo(k)fluoranthene	%	98		9976011
D12-Chrysene	%	106		9976011
D12-Indeno(1,2,3-cd)pyrene	%	96		9976011
D12-Perylene	%	98		9976011
D14-Dibenzo(a,h)anthracene	%	94		9976011
D14-Terphenyl (FS)	%	104		9976011
D8-Acenaphthylene	%	96		9976011
D8-Naphthalene	%	84		9976011
RDL = Reportable Detection Li QC Batch = Quality Control Bat				



Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (AIR)

Bureau Veritas ID		ATFW72						
Sampling Date		2025/07/12						
COC Number		N/A						
	UNITS	STN29164 12-JULY-25 PUF# 1	RDL	QC Batch				
Calculated Parameters								
Benzo(a)pyrene	ng/m3	<0.32	0.32	9974725				
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



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

GENERAL COMMENTS

Samples extracted past method recommended hold time. Proceeded with client consent.

SEMI-VOLATILE ORGANICS BY GC-MS (AIR)

PAH's in MM5 SamplingTrains (CARB429mod): Samples received past hold time. Proceeded with analysis as per client consent.

Results relate only to the items tested.



Rotek Environmental Inc.

Client Project #: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9976011	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/07/29		60	%	50 - 150
			D10-Fluoranthene	2025/07/29		82	%	50 - 150
			D10-Phenanthrene	2025/07/29		74	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/29		66	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/29		84	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/29		88	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/29		80	%	50 - 150
			D12-Chrysene	2025/07/29		84	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/29		82	%	50 - 150
			D12-Perylene	2025/07/29		84	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/29		76	%	50 - 150
			D8-Acenaphthylene	2025/07/29		62	%	50 - 150
			D8-Naphthalene	2025/07/29		60	%	50 - 150
			Benzo(a)pyrene	2025/07/29		78	%	50 - 150
9976011	MPQ	RPD	Benzo(a)pyrene	2025/07/29	12		%	50
9976011	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/07/29		96	%	50 - 150
			D10-Fluoranthene	2025/07/29		94	%	50 - 150
			D10-Phenanthrene	2025/07/29		98	%	50 - 150
			D12-Benzo(a)pyrene	2025/07/29		72	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/07/29		92	%	50 - 150
			D12-Benzo(ghi)perylene	2025/07/29		90	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/07/29		92	%	50 - 150
			D12-Chrysene	2025/07/29		92	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/07/29		84	%	50 - 150
			D12-Perylene	2025/07/29		94	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/07/29		76	%	50 - 150
			D8-Acenaphthylene	2025/07/29		98	%	50 - 150
			D8-Naphthalene	2025/07/29		98	%	50 - 150
			Benzo(a)pyrene	2025/07/29	<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.



Cristina (Maria) Bacchus, Project Manager

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

Sampler Initials: RE

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed	and validated by:
Just Jenen	
Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS and SVOC	
Priotina Bacchus	
O and hallo Common more	

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Site Location: RAIN CARBON CANADA INC

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

Attention: Robin Hart

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

Report Date: 2025/08/11

Report #: R8591325 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C591252 Received: 2025/07/28, 18:31

Sample Matrix: Puf And Filter # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	5	2025/07/29	2025/07/29	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	5	2025/07/31	2025/08/06	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	5	N/A	2025/07/29		

Remarks:

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

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

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

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

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

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

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



Site Location: RAIN CARBON CANADA INC

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

Attention: Robin Hart

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

Report Date: 2025/08/11

Report #: R8591325

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C591252 Received: 2025/07/28, 18:31

Encryption Key

Julian Tong Project Manager Assistant 11 Aug 2025 15:15:53

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

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Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		ATLW91	ATLW92	ATLW93	ATLW94	
Sampling Date		2025/07/24	2025/07/24	2025/07/24	2025/07/24	
COC Number		N/A	N/A	N/A	N/A	
	UNITS	EAST MONITOR PAH JULY24, 2025 ASJN19-01	NORTH MONITOR PAH JULY24, 2025 ASJN20-01	OLD WEST MONITOR PAH JULY24, 2025 ASJN21-01	SOUTH MONITOR PAH JULY24, 2025 ASJN22-01	QC Batch
Volume	m3	322.9	316.4	325.9	317.0	ONSITE
QC Batch = Quality Control	Batch	_				·

Bureau Veritas ID		ATLW95	
Sampling Date		2025/07/24	
COC Number		N/A	
	UNITS	NEW WEST MONITOR PAH JULY24, 2025 ASJN23-01	QC Batch
Volume	m3	320.0	ONSITE
QC Batch = Quality Control Ba	atch		



Site Location: RAIN CARBON CANADA INC

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

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

Bureau Veritas ID		ATLW91	ATLW92	ATLW93	ATLW94		
Sampling Date		2025/07/24	2025/07/24	2025/07/24	2025/07/24		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	EAST MONITOR PAH JULY24, 2025 ASJN19-01	NORTH MONITOR PAH JULY24, 2025 ASJN20-01	OLD WEST MONITOR PAH JULY24, 2025 ASJN21-01	SOUTH MONITOR PAH JULY24, 2025 ASJN22-01	RDL	QC Batch
Semivolatile Organics							
Benzo(a)pyrene	ug	0.32	0.38	0.14	<0.10	0.10	9980844
Surrogate Recovery (%)						•	
D10-2-Methylnaphthalene	%	88	94	78	78		9980844
D10-Anthracene	%	78	86	76	80		9980844
D10-Fluoranthene	%	90	104	88	96		9980844
D10-Phenanthrene	%	94	104	92	98		9980844
D12-Benzo(a)anthracene	%	96	94	90	94		9980844
D12-Benzo(a)pyrene	%	86	84	76	84		9980844
D12-Benzo(b)fluoranthene	%	114	112	94	98		9980844
D12-Benzo(ghi)perylene	%	108	108	102	108		9980844
D12-Benzo(k)fluoranthene	%	98	98	102	110		9980844
D12-Chrysene	%	112	110	104	110		9980844
D12-Indeno(1,2,3-cd)pyrene	%	108	108	100	106		9980844
D12-Perylene	%	106	106	94	104		9980844
D14-Dibenzo(a,h)anthracene	%	108	110	100	106		9980844
D14-Terphenyl (FS)	%	84	96	84	88		9980844
D8-Acenaphthylene	%	84	4.0 (1)	80	84		9980844
D8-Naphthalene	%	130	146	88	82		9980844

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.



Site Location: RAIN CARBON CANADA INC

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

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

	ATLW95		
	2025/07/24		
	N/A		
UNITS	NEW WEST MONITOR PAH JULY24, 2025 ASJN23-01	RDL	QC Batch
ug	0.54	0.10	9980844
		•	
%	132		9980844
%	118		9980844
%	136		9980844
%	144		9980844
%	92		9980844
%	82		9980844
%	98		9980844
%	104		9980844
%	106		9980844
%	106		9980844
%	104		9980844
%	104		9980844
%	106		9980844
%	122		9980844
%	132		9980844
%	160 (1)		9980844
	Ug % % % % % % % % %	2025/07/24 N/A NEW WEST MONITOR PAH JULY24, 2025 ASJN23-01 ug	2025/07/24 N/A NEW WEST MONITOR PAH JULY24, 2025 ASJN23-01 NEW WEST MONITOR PAH JULY24, 2025 NEW WEST NEW WE

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.



Report Date: 2025/08/11

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		ATLW91		ATLW92		ATLW93		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		N/A		N/A		N/A		
	UNITS	EAST MONITOR PAH JULY24, 2025 ASJN19-01	RDL	NORTH MONITOR PAH JULY24, 2025 ASJN20-01	RDL	OLD WEST MONITOR PAH JULY24, 2025 ASJN21-01	RDL	QC Batch
Calculated Parameters								
Benzo(a)pyrene	ug/m3	0.00099	0.00031	0.00120	0.00032	0.00043	0.00031	9979280
RDL = Reportable Detection								

QC Batch = Quality Control Batch

Bureau Veritas ID		ATLW94		ATLW95		
Sampling Date		2025/07/24	2025/07/24			
COC Number		N/A		N/A		
u		SOUTH MONITOR PAH JULY24, 2025 ASJN22-01	RDL	NEW WEST MONITOR PAH JULY24, 2025 ASJN23-01	RDL	QC Batch
Calculated Parameters						
Benzo(a)pyrene	ug/m3	<0.00032	0.00032	0.00169	0.00031	9979280
RDL = Reportable Detection QC Batch = Quality Control I						



Site Location: RAIN CARBON CANADA INC

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

GENERAL COMMENTS

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9980844	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/08/06		84	%	50 - 150
			D10-Fluoranthene	2025/08/06		102	%	50 - 150
			D10-Phenanthrene	2025/08/06		92	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/06		86	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/06		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/06		108	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/06		108	%	50 - 150
			D12-Chrysene	2025/08/06		106	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/08/06		106	%	50 - 150
			D12-Perylene	2025/08/06		108	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/08/06		104	%	50 - 150
			D8-Acenaphthylene	2025/08/06		88	%	50 - 150
			D8-Naphthalene	2025/08/06		86	%	50 - 150
			Benzo(a)pyrene	2025/08/06		103	%	50 - 150
9980844	MPQ	RPD	Benzo(a)pyrene	2025/08/06	0		%	50
9980844	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/08/06		86	%	50 - 150
			D10-Fluoranthene	2025/08/06		100	%	50 - 150
			D10-Phenanthrene	2025/08/06		90	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/06		82	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/06		92	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/06		102	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/06		102	%	50 - 150
			D12-Chrysene	2025/08/06		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/08/06		100	%	50 - 150
			D12-Perylene	2025/08/06		104	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/08/06		96	%	50 - 150
			D8-Acenaphthylene	2025/08/06		90	%	50 - 150
			D8-Naphthalene	2025/08/06		88	%	50 - 150
			Benzo(a)pyrene	2025/08/06	<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.



Report Date: 2025/08/11

RAIN CARBON Canada Inc.

Site Location: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

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

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



Your Project #: RAIN CARBON CANADA INC.

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

Attention: Ruetgers list

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

Report Date: 2025/08/11

Report #: R8591327 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C592019 Received: 2025/07/29, 10:58

Sample Matrix: Puf And Filter # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Calculated Polyaromatic Hydrocarbons	1	2025/07/30	2025/07/30	BRL SOP-00201	
PAH's in MM5 SamplingTrains (CARB429mod) (1)	1	2025/07/31	2025/08/06	BRL SOP-00201	CARB429(ARBM1,M2)mod
Air Volume from HiVol Sampling	1	N/A	2025/07/30		

Remarks:

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

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

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

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

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

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

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

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

Report Date: 2025/08/11

Report #: R8591327 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C592019 Received: 2025/07/29, 10:58

Encryption Key



Bureau Veritas

11 Aug 2025 15:07:55

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

Phone# (905)817-5763

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Client Project #: RAIN CARBON CANADA INC.

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

RESULTS OF ANALYSES OF PUF AND FILTER

Bureau Veritas ID		ATNH80						
Sampling Date		2025/07/28						
COC Number		N/A						
	UNITS	ARSK08-01	QC Batch					
Volume	/olume m3 309.8 ONSITE							
QC Batch = Quality Control Batch								



Client Project #: RAIN CARBON CANADA INC.

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

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

Bureau Veritas ID		ATNH80		
		2025/07/28		
Sampling Date COC Number				
COC Number		N/A		000
	UNITS	ARSK08-01	RDL	QC Batch
Semivolatile Organics				
Benzo(a)pyrene	ug	<0.10	0.10	9980844
Surrogate Recovery (%)				
D10-2-Methylnaphthalene	%	96		9980844
D10-Anthracene	%	90		9980844
D10-Fluoranthene	%	108		9980844
D10-Phenanthrene	%	110		9980844
D12-Benzo(a)anthracene	%	92		9980844
D12-Benzo(a)pyrene	%	84		9980844
D12-Benzo(b)fluoranthene	%	100		9980844
D12-Benzo(ghi)perylene	%	108		9980844
D12-Benzo(k)fluoranthene	%	108		9980844
D12-Chrysene	%	108		9980844
D12-Indeno(1,2,3-cd)pyrene	%	106		9980844
D12-Perylene	%	106		9980844
D14-Dibenzo(a,h)anthracene	%	106		9980844
D14-Terphenyl (FS)	%	100		9980844
D8-Acenaphthylene	%	98		9980844
D8-Naphthalene	%	96		9980844
RDL = Reportable Detection Li	mit		•	
QC Batch = Quality Control Ba				



Client Project #: RAIN CARBON CANADA INC.

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

CALCULATED SEMIVOLATILE ORGANICS (PUF AND FILTER)

Bureau Veritas ID		ATNH80		
Sampling Date		2025/07/28		
COC Number		N/A		
	UNITS	ARSK08-01	RDL	QC Batch
Calculated Parameters				
Calculated Parameters				
Calculated Parameters Benzo(a)pyrene	ng/m3	<0.32	0.32	9980153
		<0.32	0.32	9980153



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.



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
9980844	MPQ	Spiked Blank	D10-2-Methylnaphthalene	2025/08/06		84	%	50 - 150
			D10-Fluoranthene	2025/08/06		102	%	50 - 150
			D10-Phenanthrene	2025/08/06		92	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/06		86	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/06		100	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/06		108	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/06		108	%	50 - 150
			D12-Chrysene	2025/08/06		106	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/08/06		106	%	50 - 150
			D12-Perylene	2025/08/06		108	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/08/06		104	%	50 - 150
			D8-Acenaphthylene	2025/08/06		88	%	50 - 150
			D8-Naphthalene	2025/08/06		86	%	50 - 150
			Benzo(a)pyrene	2025/08/06		103	%	50 - 150
9980844	MPQ	RPD	Benzo(a)pyrene	2025/08/06	0		%	50
9980844	MPQ	Method Blank	D10-2-Methylnaphthalene	2025/08/06		86	%	50 - 150
			D10-Fluoranthene	2025/08/06		100	%	50 - 150
			D10-Phenanthrene	2025/08/06		90	%	50 - 150
			D12-Benzo(a)pyrene	2025/08/06		82	%	50 - 150
			D12-Benzo(b)fluoranthene	2025/08/06		92	%	50 - 150
			D12-Benzo(ghi)perylene	2025/08/06		102	%	50 - 150
			D12-Benzo(k)fluoranthene	2025/08/06		102	%	50 - 150
			D12-Chrysene	2025/08/06		100	%	50 - 150
			D12-Indeno(1,2,3-cd)pyrene	2025/08/06		100	%	50 - 150
			D12-Perylene	2025/08/06		104	%	50 - 150
			D14-Dibenzo(a,h)anthracene	2025/08/06		96	%	50 - 150
			D8-Acenaphthylene	2025/08/06		90	%	50 - 150
			D8-Naphthalene	2025/08/06		88	%	50 - 150
			Benzo(a)pyrene	2025/08/06	<0.10		ug	

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

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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.



reau Veritas Job #: C592019 Rotek Environmental Inc.
port Date: 2025/08/11 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:
Just Janen
Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS and SVOC

Cristina (Maria) Bacchus, Project Manager

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Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/07/29

Report #: R8584545 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C585165 Received: 2025/07/16, 08:50

Sample Matrix: Air # Samples Received: 3

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	3	N/A	2025/07/28	3 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	3	N/A	2025/07/28	3 BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/07/29

Report #: R8584545

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C585165

Received: 2025/07/16, 08:50

Encryption Key

Julian Tong Project Manager Assistant 29 Jul 2025 16:39:42

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		ASZW71	ASZW72	ASZW73	
Sampling Date		2025/07/12	2025/07/12	2025/07/12	
COC Number		na	na	na	
	UNITS	OLD WEST CANISTER VOC JULY 12, 2025	SOUTH CANISTER VOC JULY 12, 2025	NEW WEST CANISTER VOC JULY 12, 2025	QC Batch
Volatile Organics					
Pressure on Receipt	psig	(-5.1)	(-6.2)	(-4.0)	9978273
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		ASZW71				ASZW72				
Sampling Date		2025/07/12				2025/07/12				
COC Number		na				na				
	UNITS	OLD WEST CANISTER VOC JULY 12, 2025	RDL	ug/m3	DL (ug/m3)	SOUTH CANISTER VOC JULY 12, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics										
Benzene	ppbv	1.29	0.10	4.11	0.319	<0.17	0.17	<0.543	0.543	9977870
Surrogate Recovery (%)			•				•			
Bromochloromethane	%	86		N/A	N/A	95		N/A	N/A	9977870
D5-Chlorobenzene	%	87		N/A	N/A	91		N/A	N/A	9977870
Difluorobenzene	%	84		N/A	N/A	94		N/A	N/A	9977870

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

Bureau Veritas ID		ASZW73			ASZW73				
Sampling Date		2025/07/12			2025/07/12				
COC Number		na			na				
	UNITS	NEW WEST CANISTER VOC JULY 12, 2025	ug/m3	DL (ug/m3)	NEW WEST CANISTER VOC JULY 12, 2025 Lab-Dup	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	1.27	4.06	0.319	1.27	0.10	4.04	0.319	9977870
Surrogate Recovery (%)									
Bromochloromethane	%	91	N/A	N/A	85		N/A	N/A	9977870
D5-Chlorobenzene	%	87	N/A	N/A	86		N/A	N/A	9977870
Difluorobenzene	%	88	N/A	N/A	84		N/A	N/A	9977870

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

Sample ASZW72 [SOUTH CANISTER VOC JULY 12, 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
9977870	NS2	Spiked Blank	Bromochloromethane	2025/07/28		103	%	60 - 140
			D5-Chlorobenzene	2025/07/28		102	%	60 - 140
			Difluorobenzene	2025/07/28		101	%	60 - 140
			Benzene	2025/07/28		89	%	70 - 130
9977870	NS2	Method Blank	Bromochloromethane	2025/07/28		103	%	60 - 140
			D5-Chlorobenzene	2025/07/28		96	%	60 - 140
			Difluorobenzene	2025/07/28		103	%	60 - 140
			Benzene	2025/07/28	<0.10		ppbv	
9977870	NS2	RPD [ASZW73-01]	Benzene	2025/07/28	0.32		%	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

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Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list
Rotek Environmental Inc.

Hamilton, ON CANADA L8E 4V4

15 Keefer Court

Report Date: 2025/08/05

Report #: R8587642 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C588177 Received: 2025/07/22, 09:59

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/07/31	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/07/31	BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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



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: 2025/08/05

Report #: R8587642 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C588177 Received: 2025/07/22, 09:59

Encryption Key



Bureau Veritas

05 Aug 2025 08:54:37

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: RE

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ATFR13		
Sampling Date		2025/07/12		
COC Number		na		
	UNITS	STN29164 12-JUL-25	QC Batch	
Volatile Organics				
Pressure on Receipt	psig	(-3.7)	9980895	
QC Batch = Quality Control Batch				



Client Project #: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATFR13				
Sampling Date		2025/07/12				
COC Number		na				
	UNITS	STN29164 12-JUL-25	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	0.27	0.10	0.876	0.319	9980756
Surrogate Recovery (%)			•			•
Bromochloromethane	%	85		N/A	N/A	9980756
D5-Chlorobenzene	%	82		N/A	N/A	9980756
Difluorobenzene	%	85		N/A	N/A	9980756
RDL = Reportable Detection	n Limit					
QC Batch = Quality Contro	l Batch					
N/A = Not Applicable						



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

GENERAL COMMENTS

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

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9980756	LSY	Spiked Blank	Bromochloromethane	2025/07/31		104	%	60 - 140
			D5-Chlorobenzene	2025/07/31		104	%	60 - 140
			Difluorobenzene	2025/07/31		105	%	60 - 140
			Benzene	2025/07/31		96	%	70 - 130
9980756	LSY	Method Blank	Bromochloromethane	2025/07/31		104	%	60 - 140
			D5-Chlorobenzene	2025/07/31		100	%	60 - 140
			Difluorobenzene	2025/07/31		108	%	60 - 140
			Benzene	2025/07/31	<0.10		ppbv	

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

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

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



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

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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Your 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: 2025/07/31

Report #: R8586094 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C587408 Received: 2025/07/18, 16:37

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/07/28	3 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/07/28	3 BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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

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

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



Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: NA

Attention: Robin Hart

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

Report Date: 2025/07/31

Report #: R8586094

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C587408 Received: 2025/07/18, 16:37

Encryption Key

Cristina (Maria) Bacchus Project Manager 31 Jul 2025 15:35:01

Please direct all questions regarding this Certificate of Analysis to:

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

Phone# (905) 817-5700

Notina Bacchia

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ATEF65					
Sampling Date		2025/07/16					
COC Number		NA					
	UNITS	NORTH CANISTER VOC JULY 16, 2025	QC Batch				
Volatile Organics							
Pressure on Receipt	psig	(-4.9)	9978416				
QC Batch = Quality Control Batch							



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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATEF65							
Sampling Date		2025/07/16							
COC Number		NA							
	UNITS	NORTH CANISTER VOC JULY 16, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch			
Volatile Organics									
Benzene	ppbv	26.4	0.10	84.2	0.319	9978216			
Surrogate Recovery (%)									
Bromochloromethane	%	87		N/A	N/A	9978216			
D5-Chlorobenzene	%	87		N/A	N/A	9978216			
Difluorobenzene	%	87		N/A	N/A	9978216			
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

GENERAL COMMENTS

Results relate only to the items tested.		



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
9978216	YYA	Spiked Blank	Bromochloromethane	2025/07/28		103	%	60 - 140
			D5-Chlorobenzene	2025/07/28		100	%	60 - 140
			Difluorobenzene	2025/07/28		105	%	60 - 140
			Benzene	2025/07/28		87	%	70 - 130
9978216	YYA	Method Blank	Bromochloromethane	2025/07/28		97	%	60 - 140
			D5-Chlorobenzene	2025/07/28		97	%	60 - 140
			Difluorobenzene	2025/07/28		100	%	60 - 140
			Benzene	2025/07/28	<0.10		ppbv	

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

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

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



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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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Your P.O. #: 4500625271

Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/08/06

Report #: R8588426 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C588707 Received: 2025/07/23, 08:40

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/08/01	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/08/01	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 P.O. #: 4500625271

Your Project #: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/08/06

Report #: R8588426

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C588707 Received: 2025/07/23, 08:40

Encryption Key

Cristina (Maria) Bacchus Project Manager 06 Aug 2025 15:22:25

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		ATGR16					
Sampling Date		2025/07/19					
COC Number		na					
	UNITS	#1 EAST CANISTER VOC JULY 19, 2025	QC Batch				
Volatile Organics							
Pressure on Receipt	psig	(-6.3)	9980895				
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		ATGR16				
Sampling Date		2025/07/19				
COC Number		na				
	UNITS	#1 EAST CANISTER VOC JULY 19, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics						
Benzene	ppbv	4.07	0.18	13.0	0.575	9980756
Surrogate Recovery (%)						
Bromochloromethane	%	92		N/A	N/A	9980756
D5-Chlorobenzene	%	93		N/A	N/A	9980756
Difluorobenzene	%	94		N/A	N/A	9980756
RDL = Reportable Detection L	imit					
QC Batch = Quality Control Ba	itch					
N/A = Not Applicable						



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

GENERAL COMMENTS

Sample ATGR16 [#1 EAST CANISTER VOC JULY 19, 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
9980756	LSY	Spiked Blank	Bromochloromethane	2025/07/31		104	%	60 - 140
			D5-Chlorobenzene	2025/07/31		104	%	60 - 140
			Difluorobenzene	2025/07/31		105	%	60 - 140
			Benzene	2025/07/31		96	%	70 - 130
9980756	LSY	Method Blank	Bromochloromethane	2025/07/31		104	%	60 - 140
			D5-Chlorobenzene	2025/07/31		100	%	60 - 140
			Difluorobenzene	2025/07/31		108	%	60 - 140
			Benzene	2025/07/31	< 0.10		ppbv	

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

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

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



Client Project #: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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Your P.O. #: 4500625271

Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/08/11

Report #: R8591112 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C591274 Received: 2025/07/28, 17:45

Sample Matrix: Air # Samples Received: 5

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	5	N/A	2025/08/06	5 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/08/06	5 BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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



Your P.O. #: 4500625271

Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Robin Hart

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

Report Date: 2025/08/11

Report #: R8591112

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C591274 Received: 2025/07/28, 17:45

Encryption Key

Julian Tong Project Manager Assistant 11 Aug 2025 12:46:12

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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Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID	ritas ID ATLX87		ATLX88	ATLX89	ATLX90	
Sampling Date		2025/07/24	2025/07/24	2025/07/24	2025/07/24	
COC Number		na	na	na	na	
	UNITS	NORTH CANISTER VOC JULY 24, 2025	OLD WEST CANISTER JULY 24, 2025	SOUTH WEST CANISTER JULY 24, 2025	NEW WEST CANISTER VOC JULY 24, 2025	QC Batch
Volatile Organics						
Pressure on Receipt	psig	(-4.5)	(-5.2)	(-6.1)	(-4.4)	9984047
QC Batch = Quality Contro	ol Batch					

Bureau Veritas ID		ATLX91	
Sampling Date		2025/07/24	
COC Number		na	
	UNITS	EAST CANISTER #2 VOC JULY 24, 2025	QC Batch
Volatile Organics			
Volatile Organics Pressure on Receipt	psig	(-4.2)	9984047



Site Location: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATLX87			ATLX88				
Sampling Date		2025/07/24			2025/07/24				
COC Number		na			na				
	UNITS	NORTH CANISTER VOC JULY 24, 2025	ug/m3	DL (ug/m3)	OLD WEST CANISTER JULY 24, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics									
Benzene	ppbv	11.5	36.7	0.319	0.74	0.10	2.35	0.319	9983616
Surrogate Recovery (%)			-			•			
Bromochloromethane	%	89	N/A	N/A	88		N/A	N/A	9983616
D5-Chlorobenzene	%	87	N/A	N/A	85		N/A	N/A	9983616
Difluorobenzene	%	84	N/A	N/A	84		N/A	N/A	9983616
RDL = Reportable Detectio QC Batch = Quality Contro						•	•		

N/A = Not Applicable

Bureau Veritas ID		ATLX89				ATLX90				
Sampling Date		2025/07/24				2025/07/24				
COC Number		na				na				
	UNITS	SOUTH WEST CANISTER JULY 24, 2025	RDL	ug/m3	DL (ug/m3)	NEW WEST CANISTER VOC JULY 24, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch
Volatile Organics										
Benzene	ppbv	0.43	0.17	1.39	0.543	0.48	0.10	1.52	0.319	9983616
Surrogate Recovery (%)										
Bromochloromethane	%	88		N/A	N/A	86		N/A	N/A	9983616
D5-Chlorobenzene	%	80		N/A	N/A	78		N/A	N/A	9983616
Difluorobenzene	%	86		N/A	N/A	82		N/A	N/A	9983616

RDL = Reportable Detection Limit QC Batch = Quality Control Batch

N/A = Not Applicable



Site Location: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATLX91							
Sampling Date		2025/07/24							
COC Number		na							
	UNITS	EAST CANISTER #2 VOC JULY 24, 2025	RDL	ug/m3	DL (ug/m3)	QC Batch			
Volatile Organics									
Benzene	ppbv	6.20	0.10	19.8	0.319	9983616			
Surrogate Recovery (%)			•						
Bromochloromethane	%	84		N/A	N/A	9983616			
D5-Chlorobenzene	%	77		N/A	N/A	9983616			
Difluorobenzene	%	79		N/A	N/A	9983616			
RDL = Reportable Detection L	imit		•						
QC Batch = Quality Control Ba	atch								
N/A = Not Applicable									



Site Location: RAIN CARBON CANADA INC

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

GENERAL COMMENTS

Sample ATLX89 [SOUTH WEST CANISTER JULY 24, 2025] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.

Results relate only to the items tested.



Site Location: RAIN CARBON CANADA INC

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

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9983616	TIM	Spiked Blank	Bromochloromethane	2025/08/06		113	%	60 - 140
			D5-Chlorobenzene	2025/08/06		102	%	60 - 140
			Difluorobenzene	2025/08/06		114	%	60 - 140
			Benzene	2025/08/06		90	%	70 - 130
9983616	TIM	Method Blank	Bromochloromethane	2025/08/06		105	%	60 - 140
			D5-Chlorobenzene	2025/08/06		90	%	60 - 140
			Difluorobenzene	2025/08/06		106	%	60 - 140
			Benzene	2025/08/06	< 0.10		ppbv	
9983616	TIM	RPD	Benzene	2025/08/06	9.4		%	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.



Site Location: RAIN CARBON CANADA INC

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

VALIDATION SIGNATURE PAGE

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

Anke Macfarlane, Laboratory Manager, VOC

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



Your P.O. #: 32669

Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

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

Report Date: 2025/08/12

Report #: R8591787 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C591515 Received: 2025/07/29, 10:38

Sample Matrix: Air # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Canister Pressure (TO-15)	1	N/A	2025/08/06	6 BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/08/06	6 BRL SOP-00304	EPA TO-15 m

Remarks:

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

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

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

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

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

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

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

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

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



Your P.O. #: 32669

Site Location: RAIN CARBON CANADA INC

Your C.O.C. #: na

Attention: Ruetgers list

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

Report Date: 2025/08/12

Report #: R8591787 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C591515 Received: 2025/07/29, 10:38

Encryption Key



Bureau Veritas

12 Aug 2025 08:26:46

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

Phone# (905)817-5763

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

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Site Location: RAIN CARBON CANADA INC

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

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ATMJ98	
Sampling Date		2025/07/24	
COC Number		na	
		STN29164	
	UNITS	24-JUL-25 -23455	QC Batch
Pressure on Receipt	psig		QC Batch 9984047



Site Location: RAIN CARBON CANADA INC

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

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ATMJ98				
Sampling Date		2025/07/24				
COC Number		na				
	UNITS	STN29164 24-JUL-25 -23455	RDL	ug/m3	DL (ug/m3)	QC Batch
Benzene	ppbv	0.49	0.10	1.57	0.319	9983616
Surrogate Recovery (%)	•					
Bromochloromethane	%	96		N/A	N/A	9983616
D5-Chlorobenzene	%	87		N/A	N/A	9983616
Difluorobenzene	%	92		N/A	N/A	9983616

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Site Location: RAIN CARBON CANADA INC

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

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C591515 Rotek Environmental Inc.
Report Date: 2025/08/12 Site Location: RAIN CAR

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
9983616	TIM	Spiked Blank	Bromochloromethane	2025/08/06		113	%	60 - 140
			D5-Chlorobenzene	2025/08/06		102	%	60 - 140
			Difluorobenzene	2025/08/06		114	%	60 - 140
			Benzene	2025/08/06		90	%	70 - 130
9983616	TIM	Method Blank	Bromochloromethane	2025/08/06		105	%	60 - 140
			D5-Chlorobenzene	2025/08/06		90	%	60 - 140
			Difluorobenzene	2025/08/06		106	%	60 - 140
			Benzene	2025/08/06	<0.10		ppbv	
9983616	TIM	RPD	Benzene	2025/08/06	9.4		%	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.



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



38

PUF - Station Logs

Station

: 725 Strathearne Avenue N, Hamilton Location

Period : April 1 to June 30, 2025

Quarter Q2

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m ³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
	AKGO85-01		31-Dec-24					02-Jan-25	1			
01-Jan-25	PUF#1	AKGO85-01	16:00	38	4958.59	38	4981.91	15:30	325.6	23.32	RH	
	AMXL07-01		10-Jan-25					14-Jan-25				
13-Jan-25	PUF#1	AMXL07-01	18:22	38	4981.91	38	5005.27	15:50	328.9	23.36	RH	
	AMXL33-01		24-Jan-25					27-Jan-25				
25-Jan-25	PUF#1	AMXL33-01	14:10	38	5005.27	38	5028.54	13:30	329.9	23.27	RH	
	ANJO72-01		05-Feb-25					07-Feb-25				
06-Feb-25	PUF #1	ANJO72-01	16:45	38	5028.54	38	5051.76	14:30	327.0	23.22	RH	
	ANJP51-01	*******	14-Feb-25		5051.00		5075 40	20-Jan-25				
18-Feb-25	PUF#1	ANJP51-01	17:26	30	5051.80	30	5075.16	10:46	305.9	23.36	RH	
	ANJP64-01	AN ID04 04	28-Feb-25	00	5075.40	40	5000 F7	03-Mar-25	050.5	00.44	DU	Total PUF volume recorded was
02-Mar-25	PUF#1	ANJP64-01	14:00	26	5075.16	12	5098.57	14:06	258.5	23.41	RH	258.3 m3 and under the minimum volume requirement of 293.6 m3.
44.84 05	AOKI11-01	AOKI11-01	12-Mar-25	26	E121 00	22	5145.21	17-Mar-25	200.2	23.31	PD/RH	Total PUF volume recorded was
14-Mar-25	PUF#1	AUNITI-UT	13:30	26	5121.90	22	5145.21	15:50	290.3	23.31	PU/KII	290.3 m3 and under the minimum volume requirement of 293.6 m3.
26-Mar-25	AOKI34-01	AOKI34-01	25-Mar-25	38	5145.22	38	5168.60	27-Mar-25	340.9	23.38	RH	
26-War-25	PUF#1	AUN134-01	17:00	30	5145.22	30	5106.00	15:50	340.9	23.30	КП	
29-Mar-25	APAX49-01	APAX49-01	28-Mar-25	38	5168.60	38	5191.88	31-Mar-25	339.0	23.28	RH	Resample monitoring day.
29-War-25	PUF#1	APAA49-01	16:30	30	5106.00	30	5191.00	16:05	339.0	23.20	КП	
07-Apr-25	APJY24-01	APJY24-01	04-Apr-25	38	5191.89	40	5215.30	08-Apr-25	339.2	23.41	RH	
07-Apr-25	PUF#1	AI 3124-01	13:15	30	3191.09	40	32 13.30	16:00	339.2	23.41	IXII	
19-Apr-25	APJZ13-01	APJZ13-01	17-Apr-25	38	5215.31	38	5238.60	21-Apr-25	330.6	23.29	RH	
19-Apr-25	PUF#1	AI 3213-01	12:50	30	32 13.51	30	3230.00	14:30	330.0	25.29	IXII	
01-May-25	APKA20-01	APKA20-01	30-Apr-25	38	5238.61	35	5261.88	02-May-25	329.1	23.27	RH/DC	
01-may-20	PUF#1	711 10 120-01	18:38	00	0200.01	00	0201.00	12:35	023.1	20.27	111/20	
13-May-25	AQFQ22-01	AQFQ21-01	12-May-25	38	5261.88	38	5285.30	14-May-25	334.3	23.42	DC	
10-may-20	PUF#1	7101 021-01	12:05	00	0201.00	00	0200.00	09:45	004.0	20.42	50	
25-May-25	AQFR39-01	AQFR39-01	23-May-25	38	5285.30	38	5308.68	26-May-25	336.3	23.38	RH	
20-may-20	PUF#1	7101110001	12:53	- 00	0200.00	00	0000.00	10:32	000.0	20.00		
06-Jun-25	ARKD29-01	ARKD29-01	05-Jun-25	38	5308.70	38	5331.91	09-Jun-25	330.6	23.21	RH/MP	
	PUF#1		12:00					10:45				
18-Jun-25	ARKD73-01	ARKD73-01	17-Jun-25	34	5331.92	38	5355.32	19-Jun-25	325.3	23.40	MP/RH	
	PUF#1		10:42					14:30			***********	
30-Jun-25	ARKD98-01	ARKD98-01	27-Jun-25	36	5355.33	36	5378.73	02-Jul-25	326.4	23.40	RH/MP	
** ***** = *	PUF#1		14:28		,,,,,,,,			10:27			* ** *****	
12-Jul-25	ASJM47-01	ASJM47-01	11-Jul-25	36	5378.74	34	5401.97	14-Jul-25	318.1	23.23	RH	
	PUF#1	.==	16:25		*******			14:33	0.0	20.20		
24-Jul-25	ASJN19-01	ASJN19-01	23-Jul-25	38	5401.97	34	5425.28	28-Jul-25	322.9	23.31	RH	
2.00.20	PUF#1		14:55					12:32				



Station : North

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m ³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
	AKGO86-01		31-Dec-24					02-Jan-25				
01-Jan-25	PUF#2	AKGO86-01	16:20	- 38	3189.59	38	3213.04	15:45	298.2	23.45	RH	
	AMXL08-01		10-Jan-25					14-Jan-25				
13-Jan-25	PUF#1	AMXL08-01	18:42	- 38	3213.04	38	3236.42	16:00	300.1	23.38	RH	
	AMXL34-01		24-Jan-25					27-Jan-25				
25-Jan-25	PUF#2	AMXL34-01	14:25	- 38	3236.42	38	3259.78	13:45	302.1	23.36	RH	
	ANJO73-01	4411070.04	05-Feb-25					07-Feb-25		00.44	6	
06-Feb-25	PUF#2	ANJO73-01	17:00	- 38	3259.78	38	3283.22	14:40	300.9	23.44	RH	
40 5-1-05	ANJP52-01	ANJP52-01	14-Feb-25	38	3283.23	38	3306.64	20-Feb-25	200.4	00.44	RH	
18-Feb-25	PUF#2	ANJP52-01	17:51	- 30	3203.23	30	3300.04	10:58	306.4	23.41	КП	
02-Mar-25	ANJP65-01	ANJP65-01	28-Feb-25	38	3306.67	38	3330.09	03-Mar-25		23.42	RH	
UZ-IVIAT-25	PUF#2	ANJF03-01	14:20	36	3300.07	36	3330.09	14:10		23.42	ΝП	
14-Mar-25	AOKI12-01	AOKI12-01	12-Mar-25	28	3330.15	30	3353.70	17-Mar-25	290.5	23.55	PD/RH	Total PUF volume recorded was
14-War-25	PUF#2	AUNI12-01	13:45	20	3330.13	30	3333.70	14:10	290.5	23.55	FUIRI	290.5 m3 and under the minimum volume requirement of 293.6 m3.
26-Mar-25	AOKI35-01	AOKI35-01	25-Mar-25	38	3377.21	38	3400.69	27-Mar-25	330.6	23.48	RH	
20-Wai-23	PUF#2	AONI33-01	17:20	30	3377.21	30	3400.03	16:15	330.0	23.40	IXII	
29-Mar-25	APAX50-01	APAX50-01	28-Mar-25	- 38	3400.69	38	3424.17	31-Mar-25	330.0	23.48	RH	Resample monitoring day.
23-Wai -23	PUF#2	AI AXSO-01	16:40	30	3400.09	30	3424.17	16:15	330.0	23.40	IXII	
07-Apr-25	APJY25-01	APJY25-01	04-Apr-25	- 38	3424.17	38	3447.57	08-Apr-25	326.8	23.40	RH	
07-Api-23	PUF#2	711 0120-01	13:50	00	0424.17	00	0447.07	16:15	320.0	23.40	Tut	
19-Apr-25	APJZ14-01	APJZ14-01	17-Apr-25	38	3447.58	34	3471.06	21-Apr-25	310.8	23.48	RH	
13-Apr-23	PUF#2	711 0214-01	13:30	00	0447.00	04	047 1.00	14:45	010.0	20.40	Tut	
01-May-25	APKA21-01	APKA21-01	30-Apr-25	38	3471.06	36	3494.54	02-May-25	319.2	23.48	RH	
	PUF#2	74 1042101	18:53		0 11 1.00		0.01.01	10:50	0.10.2	20.10		
13-May-25	AQFQ23-01	AQFQ21-01	12-May-25	38	3494.54	37	3517.92	14-May-25	317.4	23.38	RH	
	PUF#2	7101 021 01	11:50		0.101.01	0.	0011.02	10:50	0	20.00		
25-May-25	AQFR40-01	AQFR40-01	23-May-25	38	3517.92	38	3541.37	26-May-25	324.2	23.45	RH	
20 20	PUF#2		13:20					10:45	021.2	20.10		
06-Jun-25	ARKD30-01	ARKD30-01	05-Jun-25	38	3541.38	37	3564.88	09-Jun-25	318.6	23.50	RH/MP	
	PUF#2		12:18					11:00				
18-Jun-25	ARKD74-01	ARKD74-01	17-Jun-25	38	3564.88	38	3588.32	19-Jun-25	317.3	23.44	MP/RH	
	PUF#2		11:06					14:45				
30-Jun-25	ARKD99-01	ARKD99-01	27-Jun-25	35	3588.34	37	3611.73	02-Jul-25	318.0	23.39	RH/MP	
	PUF#2		15:02					10:38				
12-Jul-25	ASJM48-01	ASJM48-01	11-Jul-25	38	3611.74	38	3635.23	14-Jul-25	315.4	23.49	RH	
	PUF#2		16:35					15:13				
24-Jul-25	ASJN20-01	ASJN20-01	23-Jul-25	38	3635.24	38	3658.73	28-Jul-25	316.4	23.49	RH	
	PUF#2		15:10					12:46		-		



Station : Old West

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
	ALCO 007 04								1	ī		T I
01-Jan-25	AKGO87-01	AKGO87-01	31-Dec-24	38	4853.36	38	4877.14	02-Jan-25	332.2	23.78	RH	
	PUF#3		17:15					16:45				
13-Jan-25	AMXL09-01	AMXL09-01	10-Jan-25	38	4877.14	38	4900.91	14-Jan-25	334.7	23.77	RH	
	PUF#1		19:25					17:10				
25-Jan-25	AMXL35-01	AMXL35-01	24-Jan-25	38	4900.91	38	4924.79	27-Jan-25	338.4	23.88	RH	
	PUF#3		15:30					17:54				
06-Feb-25	ANJO74-01	ANJO74-01	05-Feb-25	38	4924.79	38	4948.27	07-Feb-25	330.7	23.48	RH	
	PUF#3		18:09					15:32				
18-Feb-25	ANJP53-01	ANJP53-01	18-Feb-25	32	4948.27	32	4972.06	20-Feb-25	323.3	23.79	RH	
	PUF#3		10:57					12:31				Total PUF volume recorded was
02-Mar-25	ANJP66-01	ANJP66-01	28-Feb-25	20	4972.06	8	4995.62	03-Mar-25	242.9	23.56	RH	242.9 m3 and under the minimum
	PUF#3		17:26					15:33				volume requirement of 293.6 m3.
14-Mar-25	AOKI13-01	AOKI13-01	12-Mar-25	32	4972.30	30	4995.96	17-Mar-25	320.3	23.66	PD/RH	
	PUF#3		15:00					15:50				
26-Mar-25	AOKI36-01	AOKI36-01	25-Mar-25	34	4995.98	34	5019.70	27-Mar-25	331.9	23.72	RH	
	PUF#3		19:05					17:40				
29-Mar-25	APAX51-01	APAX51-01	28-Mar-25	38	5019.70	36	5043.39	31-Mar-25	340.3	23.69	RH	Resample monitoring day.
	PUF#3		17:20					17:00	2.2.0			
07-Apr-25	APJY26-01	APJY26-01	04-Apr-25	38	5043.40	34	5067.19	08-Apr-25	337.2	23.79	RH	
0. 7 p. 20	PUF#3	74 0120 01	15:00	00	00.10.10	0.	0007.10	17:30	307.2	20.70		
19-Apr-25	APJZ15-01	APJZ15-01	17-Apr-25	38	5067.20	34	5090.92	21-Apr-25	329.8	23.72	RH	
15-241-25	PUF#3	A 0210-01	15:00	55	0007.20	04	0000.02	15:50	023.0	20.72	TGT	
01-May-25	APKA22-01	APKA22-01	30-Apr-25	38	5090.92	36	5114.55	02-May-25	334.6	23.63	RH/DC	
01-Way-25	PUF#3	AFRA22-01	19:42	30	3090.92	30	3114.33	11:40	334.0	23.03	KH/DC	
13-May-25	AQFQ24-01	AQFQ21-01	12-May-25	38	5114.55	38	5138.34	14-May-25	338.0	22.70	DC	
13-Way-25	PUF#3	AQFQ21-01	11:30	30	5114.55	36	3130.34	10:30	336.0	23.79	ьс	
25-May-25	AQFR41-01	AQFR41-01	23-May-25	38	5138.35	36	5162.12	26-May-25	207.2	00.77	RH	
25-IVIAY-25	PUF#3	AQFR41-01	14:20	- 30	5136.35	36	5102.12	11:45	337.6	23.77	КП	
00 1 05	ARKD31-01	ARKD31-01	05-Jun-25	38	5162.12	35	5185.91	09-Jun-25	200.0	00.70	RH/MP	
06-Jun-25	PUF#3	ARKD31-01	13:15	30	5102.12	35	5165.91	11:35	333.3	23.79	KH/IVIP	
	ARKD75-01	ADVDZE 04	17-Jun-25	0.5	5405.04	00	5000.07	19-Jun-25			MD/DII	
18-Jun-25	PUF#3	ARKD75-01	11:35	35	5185.91	36	5209.67	15:55	328.1	23.76	MP/RH	
	ARKE00-01	4 DI/E00 C:	27-Jun-25	- 0.4	5000.07	-00	F000 00	02-Jul-25			DUME	
30-Jun-25	PUF#3	ARKE00-01	16:09	34	5209.67	32	5233.23	10:56	328.1	23.56	RH/MP	
	ASJM49-01		11-Jul-25					14-Jul-25				
12-Jul-25	PUF#3	ASJM49-01	17:34	30	5233.24	30	5257.10	16:36	310.8	23.86	RH	
	ASJN21-01		23-Jul-25					28-Jul-25				
24-Jul-25	PUF#3	ASJN21-01	16:50	38	5257.10	32	5280.89	15:28	325.9	23.79	RH	



Station : South

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
01-Jan-25	AKGO88-01	AKGO88-01	31-Dec-24	38	4734.17	38	4757.13	02-Jan-25	320.9	22.96	RH	
	PUF#4		16:30					16:05				
13-Jan-25	AMXL10-01	AMXL10-01	10-Jan-25	38	4757.13	38	4780.19	14-Jan-25	325.6	23.06	RH	
	PUF#1		19:10					16:30				
25-Jan-25	AMXL36-01	AMXL36-01	24-Jan-25	38	4780.19	32	4803.01	27-Jan-25	312.8	22.82	RH	
	PUF#4		14:45					14:00				
06-Feb-25	ANJO75-01	ANJO75-01	06-Feb-25	38	4803.01	38	4825.97	07-Feb-25	312.2	22.96	RH	
	PUF#4		17:25					14:57				
18-Feb-25	ANJP54-01	ANJP54-01	14-Feb-25	32	4825.97	32	4849.84	20-Feb-25	318.1	23.87	RH	
	PUF#4		18:11					11:22				
02-Mar-25	ANJP67-01	ANJP67-01	28-Feb-25	22	4849.84	10	4873.81	03-Mar-25	233.2	23.97	RH	Total PUF volume recorded was 233.2 m3 and under the minimum
	PUF#4		17:34					14:35				volume requirement of 293.6 m3.
14-Mar-25	AOKI14-01	AOKI14-01	12-Mar-25	33	4873.81	30	4896.72	17-Mar-25	303.9	22.91	RH	
14-Wai-23	PUF#4	701114-01	14:00	55	4070.01	50	4030.72	15:50	303.9	22.91	101	
26-Mar-25	AOKI37-01	AOKI37-01	25-Mar-25	32	4896.72	32	4918.80	27-Mar-25	296.0	22.08	RH	
20-Iviai -23	PUF#4	AONI37-01	17:40	32	4030.72	32	4910.00	16:45	290.0	22.00	IXII	
29-Mar-25	APAX52-01	APAX52-01	28-Mar-25	38	4918.80	38	4941.65	31-Mar-25	220.4	22.05	RH	Resample monitoring day.
29-War-25	PUF#4	AFAX32-01	16:50	36	4910.00	30	4941.00	16:34	328.1	22.85	ΝП	
07.405	APJY27-01	AD 1007 04	04-Apr-25	00	1011.05	-00	1001.00	08-Apr-25	2010	00.00	i	
07-Apr-25	PUF#4	APJY27-01	14:15	36	4941.65	38	4964.63	16:36	324.6	22.98	RH	
	APJZ16-01	AD 1740 04	17-Apr-25	38	1001.00		1000 51	21-Apr-25			ē.	
19-Apr-25	PUF#4	APJZ16-01	13:45	38	4964.63	38	4986.54	15:02	305.3	21.91	RH	
	APKA23-01		30-Apr-25					02-May-25				
01-May-25	PUF#4	APKA23-01	19:07	38	4986.55	38	5009.50	12:10	323.6	22.95	RH/DC	
	AQFQ25-01	105001.01	12-May-25	00	5000 50		5000.40	14-May-25	201.0			
13-May-25	PUF#4	AQFQ21-01	10:20	38	5009.50	38	5032.42	09:30	321.0	22.92	DC	
	AQFR42-01		23-May-25					26-May-25				
25-May-25	PUF#4	AQFR42-01	13:45	38	5032.43	34	5055.34	11:00	317.2	22.91	RH	
01-Jun-25	PUF#4				5055.34		5074.19		0.0	18.85	RH	Unit operated again with no PUF cartridge installed on a non monitoring day Sunday June 1, 2025 as unit power not switched off.
	ARKD32-01		05-Jun-25					09-Jun-25				
06-Jun-25	PUF#4	ARKD32-01	12:40	38	5074.19	36	5097.15	12:00	317.8	22.96	RH/MP	
	ARKD76-01		17-Jun-25					19-Jun-25				
18-Jun-25	PUF#4	ARKD76-01	12:05	38	5097.16	40	5120.12	14:30	322.5	22.96	MP/RH	
	ARKE02-1		27-Jun-25					02-Jul-25				
30-Jun-25	PUF#4	ARKE02-01	15:29	34	5120.13	36	5143.06	11:24	323.3	22.93	RH/MP	
	ASJM50-01		11-Jul-25					14-Jul-25	-			
12-Jul-25	PUF#4	ASJM50-01		34	5143.07	32	5166.01		299.0	22.94	RH	
			16:53					15:38				
24-Jul-25	ASJN22-01	ASJN22-01	23-Jul-25	38	5166.01	38	5188.92	28-Jul-25	317.0	22.91	RH	
	PUF#4		15:31			1		13:06	I			



Station : New West

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	PUF Cartridge # Maxxam ID#	Maxxam Filter ID #	Installation (Date) (Time EST)	MAGN On	ETI On	MAGN Off	ETI Off	Removal (Date) (Time EST)	Calculated Sample Volume (293.6 - 358.8 m³)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Comments
04 1 05	AKGO89-01	AVC000 04	31-Dec-24	20	4520.27	20	4562.93	02-Jan-25	246.2	22.66	BU	
01-Jan-25	PUF#5	AKGO89-01	16:50	38	4539.27	38	4502.93	16:20	316.2	23.66	RH	
42 1 00	AMXL11-01	AMXL11-01	10-Jan-25	38	4500.00	38	4586.50	14-Jan-25	240.6	22.57	RH	
13-Jan-00	PUF#1	AWALTI-UT	19:20	36	4562.93	36	4360.30	16:45	318.6	23.57	КП	
25-Jan-25	AMXL37-01	AMXL37-01	24-Jan-25	38	4586.50	38	4610.29	27-Jan-25	324.4	23.79	RH	
25-Jan-25	PUF#5	AWALS7-01	15:00	30	4300.30	30	4010.23	18:26	324.4	23.79	IXII	
06-Feb-25	ANJO76-01	ANJO76-01	05-Feb-25	38	4610.29	38	4633.71	07-Feb-25	316.6	23.42	RH	
00-Feb-25	PUF#5	ANJO76-01	17:54	36	4610.29	36	4033.71	15:15	310.0	23.42	КП	
18-Feb-25	ANJP55-01	ANJP55-01	14-Feb-25	32	4633.71	32	4657.26	20-Feb-25	298.6	23.55	RH	
16-FED-25	PUF#5	ANJF35-01	18:30	32	4033.71	32	4037.20	12:48	298.6	23.55	КП	
02-Mar-25	ANJP68-01	ANJP68-01	28-Feb-25	0	4657.26	0	4657.26	03-Mar-25	0.0	0.00	RH	Sample did not operate as no power to the PAH monitor.
02-IVIAI -25	PUF#5	ANJF00-01	17:00	U	4037.20	U	4037.20	15:00	0.0	0.00	КП	power to the PAH monitor.
04-Mar-25	ANJP68-01	ANJP68-01	03-Mar-25	10	4657.26	18	4680.88	07-Mar-25	191.7	23.62	RH	Resample monitoring day. Total PUF volume recorded was 191.7 m3 and under the
04-Iviar-25	PUF#5	ANJF00-01	15:00	10	4037.20	10	4000.00	10:09	191.7	23.02	КП	minimum volume requirement of 293.6 m3.
14-Mar-25	AOKI15-01	AOKI15-01	12-Mar-25	38	4681.10	36	4704.65	17-Mar-25	325.9	23.55	RH	
14-IVIAT-25	PUF#5	AUNI15-UI	14:30	36	4001.10	36	4704.05	16:40	325.9	23.55	КП	
26-Mar-25	AOKI38-01	AOKI38-01	25-Mar-25	34	4704.79	32	4728.35	27-Mar-25	040.4	00.50	RH	
26-IVIAT-25	PUF#5	AUNI30-01	17:40	34	4704.79	32	4720.33	17:20	310.4	23.56	КП	
20 May 25	APAX53-01	ADAVE2 04	28-Mar-25	38	4700.05	38	4754.04	31-Mar-25	224.4	23.56	RH	Resample monitoring day.
29-Mar-25	PUF#5	APAX53-01	17:05	36	4728.35	36	4751.91	16:45	331.1	23.50	КП	
07.405	APJY28-01	APJY28-01	04-Apr-25	38	4751.91	38	4775.51	08-Apr-25	200.0	00.00	RH	
07-Apr-25	PUF#5	APJ126-01	14:30	36	4/51.91	36	4//5.51	17:10	329.6	23.60	КП	
40.4 05	APJZ17-01	APJZ17-01	17-Apr-25	38	4775.51	38	4799.07	21-Apr-25	319.9	23.56	RH	
19-Apr-25	PUF#5	APJZ17-01	14:30	36	4//5.51	36	4799.07	15:20	319.9	23.50	КП	
04 May 25	APKA24-01	APKA24-01	30-Apr-25	38	4799.07	36	4822.68	02-May-25	320.2	22.64	RH/DC	
01-May-25	PUF#5	APKAZ4-UT	19:26	36	4799.07	36	4622.06	11:15	320.2	23.61	KH/DC	
42 May 25	AQFQ26-01	AQFQ21-01	12-May-25	38	4822.68	36	4846.35	14-May-25	318.5	23.67	DC	
13-May-25	PUF#5	AQFQ21-01	10:55	36	4022.00	30	4040.33	10:10	310.3	23.07	ьс	
05 May 05	AQFR43-01	AQFR43-01	23-May-25	38	4846.38	38	4869.96	26-May-25	226.0	22.50	RH	
25-May-25	PUF#5	AQFN43-01	14:10	36	4040.30	36	4009.90	11:31	326.0	23.58	КП	
06-Jun-25	ARKD33-01	ARKD33-01	05-Jun-25	38	4869.96	34	4893.47	09-Jun-25	312.7	23.51	RH/MP	
06-Juli-25	PUF#5	ARRD33-01	13:00	36	4609.90	34	4093.47	11:45	312.7	23.51	KH/IVIF	
18-Jun-25	ARKD77-01	ARKD77-01	17-Jun-25	38	4893.47	38	4917.11	19-Jun-25	320.0	23.64	MP/RH	
10-Juli-25	PUF#5	ALVD11-01	11:50	30	4093.47	36	491/.11	15:29	320.0	23.04	IVIF/RIT	
30-Jun-25	ARKE04-01	ARKE04-01	27-Jun-25	38	4917.11	38	4940.71	02-Jul-25	320.9	23.60	RH/MP	
30-Jun-23	PUF#5	ARREU4-UI	15:49	30	4817.11	30	494U./ I	11:07	320.9	23.00	KUINIL	
12-Jul-25	ASJM51-01	ASJM51-01	11-Jul-25	38	4940.73	38	4964.29	14-Jul-25	316.4	23.56	RH	
12-Jul-25	PUF#5	MODINIO 1-0 I	17:15	30	4840.73	30	4904.29	16:18	310.4	23.00	RΠ	
24-Jul-25	ASJN23-01	ASJN23-01	23-Jul-25	34	4964.29	35	4987.86	28-Jul-25	320.0	23.57	RH	
24-Jui-23	PUF#5	AOJINZO-UT	15:50	34	4904.29	30	4901.00	15:10	320.0	23.01	RΠ	



Station : East

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
		1						ı	1		1	
01-Jan-25	14270	31-Dec-24		-30.0		-7.5	02-Jan-25		24.0	RH		
		16:10					15:40					
13-Jan-25	267	10-Jan-25		-30.0		-8.0	14-Jan-25		24.0	RH		
		18:32					15:50					
25-Jan-25	14934	24-Jan-25		-30.0		-7.0	27-Jan-25		24.0	RH		
		14:10					13:30					
06-Feb-25	249	05-Feb-25		-30.0		-8.0	07-Feb-25		24.0	RH		
		16:30					14:35					
18-Feb-25	1241	14-Feb-25		-30.0		-11.5	20-Feb-25		24.0	RH		
10 1 05 20		17:31					10:50		21.0			
02-Mar-25	14506	28-Feb		-30.0		-10.0	03-Mar-25		24.0	RH		
02-Wai-25	14300	13:58		-50.0		-10.0	13:56		24.0	101		
44 Mari 05	14076	13-Mar		-30.0		-11.0	17-Mar-25		04.0	RH		
14-Mar-25	14076	16:30		-30.0		-11.0	15:55		24.0	KΠ		
		25-Mar				40.0	27-Mar-25					
26-Mar-25	114	17:10		-30.0		-10.0	16:00		24.0	RH		
		04-Apr					08-Apr-25					
07-Apr-25	23652	13:25		-30.0		-10.0	16:00		24.0	RH		
		17-Apr					21-Apr-25					
19-Apr-25	7783	13:00		-30.0		-12.0	14:30		24.0	RH		
		30-Apr					02-May-25					
01-May-25	14076	18:45		-30.0		-10.0	12:30		24.0	RH/DC		
		12-May					14-May-25					
13-May-25	14544	12:10		-30.0		-9.0	09:50		24.0	DC		
		23-May					26-May-25					
25-May-25	2796	13:00		-30.0		-10.0	10:35		24.0	RH		
		05-Jun					09-Jun-25					
06-Jun-25	130	12:08		-30.0		-12.0	11:00		24.0	RH/MP		
		12.06 17-Jun					19-Jun-25					
18-Jun-25	7839	10:47		-30.0		-14.0	14:40		24.0	MP/RH		
		27-Jun					02-Jul-25					
30-Jun-25	17200			-30.0		-13.5			24.0	RH/MP		
-		14:44					10:38					The July 12 , 2025, MECP monitoring day
12-Jul-25	309	11-Jul		-30.0		-18.0	14-Jul-25		24.0	RH		VOC monitor summa canister off pressure was - 18 inches Hg due to a VOC sampler timer
		16:24					14:37					valve flow restrictions.
15-Jul-25	305	14-Jul		-30.0		-18.0	17-Jul-25		24.0	RH		Additional East VOC Monitor Tuesday July 15, 2025, MECP monitoring day
		14:44					14:36					,
19-Jul-25	14253	18-Jul		-30.0		-14.0	22-Jul-25		24.0	RH		#'1 Additional East VOC Monitor Saturday July 19, 2025, MECP monitoring day
		18:44					14:36					, LoLO, INCO Manageday
19-Jul-25	14252	18-Jul		-30.0		0.0	22-Jul-25		24.0	RH		#2 Additional East VOC Monitor Saturday July 19, 2025, MECP monitoring day
ļ		18:44					14:40					.5 , 2025, MEST monitoring day
24-Jul-25	23655	23-Jul		-30.0		-17.5	28-Jul-25		24.0	RH		
		15:00					12:35					
24-Jul-25	32572	23-Jul		-30.0		-9.5	28-Jul-25		24.0	RH		Additional Standalone East VOC Monitor Thursday July 24, 2025, MECP monitoring
		16:40					12:36		-			day



Station : North

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
		04 D 04	ı			1	00 1 05		1	l	1	
01-Jan-25	14273	31-Dec-24 15:30		-30.0		-10.0	02-Jan-25 15:45		24.0	RH		
		10-Jan-25					14-Jan-25					
13-Jan-25	27694	18:42		-30.0		-10.0	16:05		24.0	RH		
		24-Jan-25					27-Jan-25					
25-Jan-25	23649	14:25		-30.0		-9.5	13:50		24.0	RH		
06-Feb-25	23743	05-Feb-25		-30.0		-30.0	07-Feb-25		24.0	RH		The February 6, 2024, MECP monitoring day VOC monitor summa canister off pressure was - 30 inches Hg due to a VOC
		17:10					14:43					sampler timer valve failure. Saturday February 8, 2024 resampling
08-Feb-25	23743	07-Feb-25 14:50		-30.0		-10.0	11-Feb-25 16:26		24.0	RH		day.
		14.50 14-Feb-25					20-Feb-25					
18-Feb-25	27655	17:50		-30.0		-10.0	11:03		24.0	RH		
		28-Feb-25					03-Mar-25					
02-Mar-25	17177	14:41		-30.0		-10.0	14:11		24.0	RH		
		13-Mar					17-Mar-25					
14-Mar-25	7841	16:35		-30.0		-10.0	16:05		24.0	RH		
		25-Mar					27-Mar-25					
26-Mar-25	292	17:25		-30.0		-10.0	16:15		24.0	RH		
	44540	04-Apr				40.0	08-Apr-25		24.2	B.I.		
07-Apr-25	14516	13:55		-30.0		-10.0	16:20		24.0	RH		
40.4 05	14103	17-Apr		-30.0		-11.0	21-Apr-25		24.0	RH		
19-Apr-25	14103	13:25		-30.0		-11.0	14:50		24.0	КП		
01-May-25	7839	30-Apr		-30.0		-10.0	02-May-25		24.0	RH/DC		
01-may-20	7000	18:57		00.0		10.0	10:40		21.0	11.120		
13-May-25	10325	12-May		-30.0		-9.0	14-May-25		24.0	DC		
,		11:55					10:55					The May 25, 2025, MECP monitoring day
25-May-25	36989	23-May		-30.0		-30.0	26-May-25		24.0	RH		VOC monitor summa canister off pressure was - 30 inches Hg due to a VOC sampler
		13:30					10:50					timer valve failure.
27-May-25	36989	26-May		-30.0		-11.0	28-May-25		24.0	RH		Additional North VOC Monitor May 27, 2025, MECP monitoring day
		10:50					12:42					
06-Jun-25	14118	05-Jun		-30.0		-10.0	09-Jun-25		24.0	RH/MP		
		12:20					11:10					
18-Jun-25	7927	17-Jun		-30.0		-11.0	19-Jun-25		24.0	MP/RH		
		10:47 27-Jun					14:55 02-Jul-25					
30-Jun-25	126	15:02		-30.0		-10.0	10:42		24.0	RH/MP		
		15:02 11-Jul					10:42 14-Jul-25					The July 12 , 2025, MECP monitoring day
12-Jul-25	7812	16:40		-30.0		-17.0	14:58		24.0	RH		VOC monitor summa canister off pressure was - 17 inches Hg due to a VOC sampler
		15-Jul					17-Jul-25					timer valve flow restrictions.
16-Jul-25	27575	14:17		-30.0		-11.0	14:45		24.0	RH		Additional North VOC Monitor July 16, 2025, MECP monitoring day
		23-Jul					28-Jul-25					
24-Jul-25	27659	15:00		-30.0		-10.0	12:48		24.0	RH		



Station : Old West

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date)	On Flow (mL/min)	On Pressure	Off Flow (mL/min)	Off Pressure	Removal (Date)	Average On/Off Sample Flow	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Pressure (As	Comments
())		(Time EST)	,	("Hg)	,	("Hg)	(Time EST)	(3.15 - 3.85 mL/Min)	, , , ,		Left) (As	
01-Jan-25		31-Dec-24					02-Jan-25					
	14518	15:30		-30.0		-16.0	16:45		24.0	RH		
13-Jan-25		10-Jan-25					14-Jan-25			RH		
	32578	19:30		-30.0	-	-14.0	17:05		24.0			
25-Jan-25	18277	24-Jan-25		-30.0		-13.0	27-Jan-25		24.0	RH		
		15:32		-50.0		10.0	17:58		24.0	IXII		
06-Feb-25	7805	05-Feb-25		-30.0		-30.0	07-Feb-25		24.0	RH		The February 6, 2024, MECP monitoring day VOC monitor summa canister off
		18:09					15:34		21.0			pressure was - 30 inches Hg due to a VOC sampler timer valve failure.
08-Feb-25	7805	07-Feb-25		-30.0		-15.0	11-Feb-25		24.0	RH		Saturday February 8, 2024 resampling day.
		15:34					14:43					
18-Feb-25	23478	18-Feb-25		-30.0		-15.0	20-Feb-25		24.0	RH		
		11:05					12:34					
02-Mar-25	32592	28-Feb-25 18:33		-29.0		-7.0	03-Mar-25 15:14		24.0	RH		
		18:33 13-Mar					15:14 17-Mar-25					
14-Mar-25	23656	17:30		-30.0		-12.0	17:05		24.0	RH		
		25-Mar		-30.0		-10.0	27-Mar-25			RH		
26-Mar-25	14533	19:10					17:40		24.0			
	14528	04-Apr		-30.0		-15.0	08-Apr-25			RH		
07-Apr-25		15:00					17:31		24.0			
	47400	17-Apr		-30.0		-18.0	21-Apr-25		24.0	RH		
19-Apr-25	17168	15:00					15:40		24.0	KH		
01-May-25	27640	30-Apr		-30.0		-8.5	02-May-25		24.0	RH/DC		
01-Way-25	27040	19:51		-50.0		-0.5	11:40		24.0	TT II DO		
13-May-25	18264	12-May		-30.0		-7.0	14-May-25		24.0	DC		Timer Unit replaced and Calibrated
,		11:20					10:35					
25-May-25	7800	23-May		-28.5		-2.0	26-May-25		24.0 RI	RH		The May 25, 2025, MECP monitoring day VOC monitor summa canister pressure on
		14:30					11:50					receipt was 0 inches Hg due to a suspected VOC sampler timer valve leak. Additional Old West VOC Monitor May 31,
31-May-25	14516	30-May		-30.0		-9.5	02-Jun-25		24.0	RH/MP		2025, MECP monitoring day
2025-06-06 #1		15:38					15:55 09-Jun-25			RH/MP		
	295	05-Jun 13:20		-29.0		-2.0	11:30		24.0			
2025-06-06 #2	14236	05-Jun		-30.0			09-Jun-25			RH/MP		
		13:25				-10.0	11:35		24.0			
18-Jun-25	17169	17-Jun		-30.0			19-Jun-25					
		11:35				-10.0	16:00		24.0	MP/RH		
30-Jun-25	261	27-Jun	27-Jun 16:09	30.0		-10.0	02-Jul-25		24.0	RH/MP		
		16:09					11:00		24.0	RH/MP		
12-Jul-25	14549	11-Jul		-30.0		-11.0	14-Jul-25		24.0	RH		
12-Jul-25		17:37		-30.0			16:38		24.0			
24-Jul-25 27	27696	23-Jul		-30.0		-11.0	24-Jul-25		24.0 RH			
	2.000	16:26		00.0			15:29			KΠ		



Station : South

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date) (Time EST)	On Flow (mL/min)	On Pressure ("Hg)	Off Flow (mL/min)	Off Pressure ("Hg)	Removal (Date) (Time EST)	Average On/Off Sample Flow (3.15 - 3.85 mL/Min)	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Leak Pressure (As Left) (As	Comments
01-Jan-25	32591	31-Dec-24 16:40		-30.0		-8.0	02-Jan-25 16:10		24.0	RH		
13-Jan-25	7849	10-Jan-25 18:59		-30.0		-9.5	14-Jan-25 16:20		24.0	RH		
25-Jan-25	23655	24-Jan-25 14:44	-	-30.0		-7.0	27-Jan-25 14:05		24.0	RH		
06-Feb-25	14538	05-Feb-25 17:30		-30.0		-8.0	07-Feb-25 15:00		24.0	RH		
18-Feb-25	2926	14-Feb-25 18:12		-30.0		-9.0	20-Feb-25 11:22		24.0	RH		
02-Mar-25	7865	28-Feb-25 17:37		-29.0		-12.0	03-Mar-25 14:36		24.0	RH		
14-Mar-25	283	13-Mar 16:50		-30.0		-11.0	17-Mar-25 16:25		24.0	RH		
26-Mar-25	27665	25-Mar 17:50	1	-30.0		-10.0	27-Mar-25 16:50		24.0	RH		
07-Apr-25	14938	04-Apr 14:45		-30.0		-11.0	08-Apr-25 16:39		24.0	RH		
19-Apr-25	142	17-Apr 14:00	ı	-30.0		-13.0	21-Apr-25 15:05		24.0	RH		
01-May-25	17187	30-Apr 19:12	-	-30.0		-10.0	02-May-25 12:15		24.0	RH/DC		
13-May-25	27687	12-May 10:30	-	-30.0		-7.0	14-May-25 09:35		24.0	DC		
25-May-25	27575	23-May 13:50		-30.0		-12.0	26-May-25 11:15		24.0	RH		
06-Jun-25	7866	05-Jun 12:48		-29.0		-12.0	09-Jun-25 12:10		24.0	RH/MP		
18-Jun-25	1252	17-Jun 12:10		-30.0		-12.0	19-Jun-25 15:05		24.0	MP/RH		
30-Jun-25	134	27-Jun 15:29		-30.0		-12.5	02-Jul-25 11:27		24.0	RH/MP		
12-Jul-25	7820	11-Jul 16:59		-30.0		-13.0	14-Jul-25 15:40		24.0	RH		
24-Jul-25	27589	23-Jul 15:36		-30.0		-12.5	28-Jul-25 13:08		24.0	RH		



Station : New West

Location : 725 Strathearne Avenue N, Hamilton

Period : April 1 to June 30, 2025

Sample Date (dd-mmm-yy)	VOC ID Canister #	Installation (Date)	On Flow (mL/min)	On Pressure	Off Flow (mL/min)	Off Pressure	Removal (Date)	Average On/Off Sample Flow	Sample Duration (21.6 - 26.4 Hrs)	Technician Initial	Pressure (As	Comments
		(Time EST)		("Hg)		("Hg)	(Time EST)	(3.15 - 3.85 mL/Min)			Left) (As	
01-Jan-25		31-Dec-25					02-Jan-25					
	18252	17:03		-30.0		-4.0	16:30		24.0	RH		
13-Jan-25		10-Jan-25					14-Jan-25		24.0			rne voc monitor summa canister on pressure was - 28 inches Hg due to a
	18273	19:16		-28.0		-28.0	16:45			RH		VOC sampler timer valve failure. Resample on January 15, 2025.
2025-01-15 Resample	10070	14-Jan-25		-28.0		-4.0	20-Jan-25		24.0	RH		Acceptable on Sandary 15, 2025.
	18273	16:45				-4.0	11:20		24.0			
25 Jan 25	7855	24-Jan-25		-30.0		-4.0	27-Jan-25		24.0	RH		
25-Jan-25		15:08					17:42		24.0	IXII		
06-Feb-25	7853	05-Feb-25		-30.0		-4.0	07-Feb-25		24.0	RH		
00-1 65-20		17:54		-30.0			16:25					
18-Feb-25	276	18-Feb-25		-30.0		-6.0	20-Feb-25		24.0	RH		
		11:21					12:50					
02-Mar-25	14525			-28.0		-7.0	03-Mar-25		24.0	RH		
		18:03					15:02					
14-Mar-25 26-Mar-25	7805	13-Mar		-30.0 -28.0		-7.0 -11.0	17-Mar-25		24.0	RH		
		17:10					16:45					
	1241	25-Mar					27-Mar-25			RH		
+		18:55					17:20					
07-Apr-25	27652	04-Apr		-29.0		-7.0	08-Apr-25		24.0	RH		
		14:45	 				17:11 21-Apr-25					
19-Apr-25	17361	17-Apr 14:30		-29.0		-7.0	15:23		24.0	RH		
	32577	30-Apr		-30.0		-6.0	02-May-25		24.0			
01-May-25		19:30					11:10			RH/DC		
		12-May		-28.0		-7.0	14-May-25			DC		
13-May-25	23455	11:40					10:15		24.0			
25-May-25	18242	23-May	1	-30.0		-7.0	26-May-25			RH		
		14:15					11:35		24.0			
	272	05-Jun		20.0	<u> </u>		09-Jun-25		04.0	RH/MP		
06-Jun-25	212	13:05		-30.0		-5.0	11:30		24.0	RH/MP		
18-Jun-25	32592	17-Jun		-30.0		-30.0	19-Jun-25		24.0	MP/RH		The June 18, 2025, MECP monitoring day VOC monitor summa canister off pressure
18-Jun-25		11:30		-30.0		-30.0	15:30		24.0	IVIE/INIT		was - 30 inches Hg due to a VOC sampler timer valve failure.
2025-06-20 Sample #1	32592	19-Jun		-30.0		-8.0	23-Jun-25		24.0	MP/RH		Additional New West VOC Monitor June 20, 2025, MECP
	02002	15:30		55.5		-0.0	10:20					monitoring day
2025-06-20 Sample #2	2750	19-Jun		-30.0		-10.0	23-Jun-25		24.0	MP/RH		Duplicate Additional New West VOC Monitor June 20, 2025,
		16:18					10:20		21.0			MECP monitoring day
30-Jun-25	14259	27-Jun		-30.0		-8.0	02-Jul-25		24.0	RH/MP		
		15:49					11:11					
12-Jul-25	18251	11-Jul		-30.0		-8.0	14-Jul-25		24.0	RH		
		17:19					16:20					
24-Jul-25	17204	23-Jul		-30.0		-9.0	28-Jul-25		24.0	RH		
		16:08					15:14					