

64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653641

Issue No:

Page: 1 of 3

Contract: NLBLOCK

North Lanarkshire Council Business Regulation Service Fleming House

Tryst Road Cumbernauld G67 1DZ Technical Enquiries : Mass Spec

Phone 0141 276 0628 @Glasgow.Gov.uk

Fax 0141 276 0669

Sample Details:

Client's Description: Volatile Organic Compounds

Date received:

19/11/2019

Sampled by:

Sample Type:

Tenax - Volatile Organic Compounds

Site:

St Ambrose High Tech Room 3

Sample Point:

19/11/2019 at 10:44

Date/Time on: Date/Time off:

19/11/2019 at 11:22

Tenax I.D.

MI016010

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	Result	<u>Units</u>	
Sample collected by	Karen Ma	Karen Macvicar	
Sample volume	7.158	litres	
Total VOC ng	1753	ng	
Total VOC mg/m3	0.245	mg/m^3	
methanol	0.0039	mg/m^3	
Ethanol	0.0010	mg/m^3	
Acetic acid	0.0019	mg/m^3	
Butan-1-ol	0.0015	mg/m^3	
Toluene	0.0027		
ethyl benzene	0.0014	mg/m^3	
m- & p- xylene	0.0070		
o-xylene	0.0020	mg/m^3	
alpha pinene	0.1147	mg/m^3	
beta pinene	0800.0	mg/m^3	

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653641

Issue No:

Page: 2 of 3 Contract: NLBLOCK

Test Details Continued:

Determination	Result	<u>Units</u>
3-Carene	0.0450	mg/m^3
Limonene	0.0070	
Nonanal	0.0010	
Decamethyl cyclopentasiloxane	0.0007	mg/m^3
Benzene	0.0006	

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.245 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is just above the lower end of this range but would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0006 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m^3. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Ethyl hexanol is a compound associated with plasticisers, coatings, adhesives and flooring.
- 9. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 10. Acetic acid can be from adhesives, food and cleaning products.
- 11. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products.
- 12. Terpene compounds, alpha and beta pinene, limonene and 3-carenedetected were present due to the use of wood materials in the room.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653641

Issue No: 1

Page: 3 of 3 Contract: NLBLOCK

Test Details Continued :

Determination

Result Units

13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No. 70653642

Issue No: 1

Page: 1 of 3 Contract: NLBLOCK

North Lanarkshire Council Business Regulation Service Fleming House

Tryst Road Cumbernauld G67 1DZ Technical Enquiries : Mass Spec Phone 0141 276 0628

@Glasgow.Gov.uk Fax 0141 276 0669

Sample Details :

Client's Description: Volatile Organic Compounds

Date received:

19/11/2019

Sampled by:

10/11/201

Sample Type:

Tenax - Volatile Organic Compounds

Site: Sample Point: St Ambrose High Music Room 3

Date/Time on: Date/Time off:

19/11/2019 at 10:40 19/11/2019 at 11:18

Tenax I.D.

MI016154

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	Result	Units
Sample collected by	Karen Ma	cvicar
Sample volume	7.516	litres
Total VOC ng	419	ng
Total VOC mg/m3	0.056	mg/m^3
methanol	0.0116	mg/m^3
Ethanol	0.0018	mg/m^3
Benzene	0.0007	
Butan-1-ol	0.0006	mg/m^3
Toluene	0.0052	_
ethyl benzene	0.0023	mg/m^3
m- & p- xylene	0.0107	_
o-xylene	0.0035	mg/m^3
Limonene	0.0004	
Nonanal	0.0018	

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS Report Date: 3 February 2020

Test Report No:

70653642

Issue No:

Page:

2 of 3

Contract: NLBLOCK

Test Details Continued:

Determination Decamethyl cyclopentasiloxane

Result Units 0.0024

mg/m³

2-ethyl hexanol

0.0004 mg/m³

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.056 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 - 3.0 mg/m3.

The TVOC level detected is below the lower range stated above and would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0007 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m^3. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Ethyl hexanol is a compound associated with plasticisers, coatings, adhesives and flooring.
- 9. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 10. Acetic acid can be from adhesives, food and cleaning products.
- 11. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products.
- 12. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653642

Issue No: 1

Page: 3 of 3

Contract: NLBLOCK

Test Details Continued :

Determination

Result

<u>Units</u>

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653656

Issue No:

0000000

Page:

1 of 3

Contract: NLBLOCK

North Lanarkshire Council Business Regulation Service Fleming House Tryst Road Cumbernauld G67 1DZ

Technical Enquiries : Mass Spec Phone 0141 276 0628

> @Glasgow.Gov.uk Fax 0141 276 0669

Sample Details :

Client's Description: Volatile Organic Compounds

Date received:

18/11/2019

Sampled by:

10/11/2013

Sample Type:

Tenax - Volatile Organic Compounds

Site:

Buchanan High

Sample Point:

Art G036

Date/Time on:

18/11/2019 at 11:58

Date/Time off:

18/11/2019 at 12:28

Tenax I.D.

MI018510

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details :

Determination	<u>Result</u>	<u>Units</u>
Sample collected by	Karen Ma	cvicar
Sample volume	6.075	litres
Total VOC ng	781	ng
Total VOC mg/m3	0.129	mg/m^3
methanol	0.0154	mg/m^3
Ethanol	0.0044	mg/m^3
Benzene	0.0009	
Acetic acid	0.0057	mg/m^3
Butan-1-ol	0.0188	mg/m^3
Toluene	0.0048	
ethyl benzene	0.0004	mg/m^3
m- & p- xylene	0.0020	
o-xylene	0.0006	mg/m^3
Limonene	0.0004	

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653656

Issue No:

- 1

Page:

2 of 3

Contract: NLBLOCK

Test Details Continued:

<u>Determination</u>	Result	<u>Units</u>
Nonanal	0.0007	
Decamethyl cyclopentasiloxane	0.0025	mg/m^3
2-ethyl hexanol	0.0013	mg/m^3
1,2-cylcopropylhexane	0.0095	mg/m^3

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected:

- 1. The total volatile organic contamination (TVOC) was 0.129 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is below the lower range stated above and would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0009 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m^3. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- Ethyl hexanol is a compound associated with plasticisers, coatings, adhesives and flooring.
- 9. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 10. Acetic acid can be from adhesives, food and cleaning products.
- 11. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products.
- 12. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers. 1,2-cyclopropanehexane could also be used in cleaning products.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653656

Issue No:

'

Page:

3 of 3

Contract: NLBLOCK

Test Details Continued:

Determination

Result

<u>Units</u>

13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Approved Signatory:



Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS Report Date: 3 February 2020

Test Report No: 70653657

Issue No:

Page: 1 of 3 Contract: NLBLOCK

North Lanarkshire Council **Business Regulation Service** Fleming House Tryst Road

Cumbernauld G67 1DZ

Technical Enquiries: Mass Spec

Phone 0141 276 0628 @Glasgow.Gov.uk Fax 0141 276 0669

Sample Details:

Client's Description: Volatile Organic Compounds

Date received:

18/11/2019

Sampled by:

Sample Type:

Tenax - Volatile Organic Compounds

Site:

Buchanan High

Sample Point:

Science G051

Date/Time on:

18/11/2019 at 11:56 18/11/2019 at 12:26

Date/Time off: Tenax I.D.

MI016572

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	Result	Units
Sample collected by	Karen Ma	
Sample volume	5.510	litres
Total VOC ng		
Total VOC mg/m3	316	ng
methanol	0.057	mg/m^3
	0.0078	mg/m^3
Ethanol	0.0019	mg/m^3
Benzene	0.0008	J
Acetic acid	0.0023	mg/m^3
Butan-1-ol	0.0040	mg/m^3
Toluene	0.0030	g/ 0
ethyl benzene	0.0004	mg/m^3
m- & p- xylene	0.0013	mg/m 3
o-xylene		
Nonanal	0.0006	mg/m^3
ivonanai	0.0010	

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653657

Issue No:

Page: 2 of 3

Contract: NLBLOCK

Test Details Continued :

Determination	Result	<u>Units</u>
Decamethyl cyclopentasiloxane	0.0013	mg/m^3
2-ethyl hexanol	0.0034	mg/m^3
1,2-cylcopropylhexane	0.0031	mg/m^3

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.057 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is below the lower range stated above and would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0008 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m³. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Ethyl hexanol is a compound associated with plasticisers, coatings, adhesives and flooring.
- 9. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 10. Acetic acid can be from adhesives, food and cleaning products.
- 11. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products. 1,2-cyclopropanehexane could also be used in cleaning products.
- 12. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers.
- 13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653657

Issue No:

1

Page:

3 of 3

Contract: NLBLOCK

Test Details Continued:

Determination

Result

<u>Units</u>

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS Report Date: 3 February 2020

Test Report No: 70653658

Issue No:

Page: 1 of 3

Contract: NLBLOCK

North Lanarkshire Council **Business Regulation Service** Fleming House Tryst Road Cúmbernauld G67 1DZ

Technical Enquiries: Mass Spec Phone 0141 276 0628

Glasgow.Gov.uk Fax 0141 276 0669

Sample Details:

Client's Description: Volatile Organic Compounds

Date received:

18/11/2019

Sampled by:

Sample Type:

Tenax - Volanie Organic Compounds

Site:

Buchanan High

Sample Point:

HE G024, Sink 1 next to fire exit

Date/Time on: Date/Time off:

18/11/2019 at 11:54

Tenax I.D.

18/11/2019 at 12:23

Test Note:

MI016151 Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere

and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	Result	<u>Units</u>	
Sample collected by	Karen Ma	Karen Macvicar	
Sample volume	5.326	litres	
Total VOC ng	321	ng	
Total VOC mg/m3	0.060	mg/m^3	
methanol	0.0143	mg/m^3	
Ethanol	0.0039	mg/m^3	
Benzene	0.0006		
Acetic acid	0.0123	mg/m^3	
Butan-1-ol	0.0005	mg/m^3	
Toluene	0.0022		
ethyl benzene	0.0003	mg/m^3	
m- & p- xylene	0.0011		
o-xylene	0.0006	mg/m^3	
Nonanal	0.0038		

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS Report Date: 3 February 2020

Test Report No: 70653658

Issue No:

Page: 2 of 3

Contract: NLBLOCK

Test Details Continued:

Determination Result Units Decamethyl cyclopentasiloxane 0.0003 ma/m³ 1,2-cylcopropylhexane 0.0010 mg/m³

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.060 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 - 3.0 mg/m3.

The TVOC level detected is below the lower range stated above and would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0006 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m/3. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 9. Acetic acid can be from adhesives, food and cleaning products.
- 10. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products. 1,2-cyclopropanehexane could also be used in cleaning products.
- 11. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers.
- 12. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS

Report Date:

3 February 2020

Test Report No:

70653658

Issue No:

Page:

3 of 3

Contract: NLBLOCK

Test Details Continued:

Determination

Result

<u>Units</u>

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS Report Date: 3 February 2020

Test Report No: 70653654

Issue No:

Page: 1 of 3 Contract: NLBLOCK

North Lanarkshire Council **Business Regulation Service** Fleming House

Tryst Road Cumbernauld G67 1DZ

Technical Enquiries : Mass Spec Phone 0141 276 0628

@Glasgow.Gov.uk Fax 0141 276 0669

Sample Details:

Client's Description: Volatile Organic Compounds

Date received: Sampled by:

18/11/2019

Sample Type:

Tenax - Volatile Organic Compounds

Site: Sample Point:

Buchanan High English G-099 18/11/2019 at 11:48

Date/Time on: Date/Time off:

18/11/2019 at 12:17 MI016007

Tenax I.D. Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere

and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	<u>Result</u>	<u>Units</u>	
Sample collected by	Karen Ma	Karen Macvicar	
Sample volume	5.462	litres	
Total VOC ng	367	ng	
Total VOC mg/m3	0.067	mg/m^3	
methanol	0.0160	mg/m^3	
Ethanol	0.0018	mg/m^3	
Benzene	0.0011		
Acetic acid	0.0020	mg/m^3	
Butan-1-ol	0.0012	mg/m^3	
Toluene	0.0082		
ethyl benzene	0.0004	mg/m^3	
m- & p- xylene	0.0025		
o-xylene	0.0007	mg/m^3	
Limonene	0.0010		

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653654

Issue No:

- 1

Page:

2 of 3

Contract: NLBLOCK

Test Details Continued:

 Determination
 Result
 Units

 Nonanal
 0.0010

 Decamethyl cyclopentasiloxane
 0.0049
 mg/m^3

 2-ethyl hexanol
 0.0007
 mg/m^3

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.067 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is below the lower range stated above and would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0011 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m^3. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Ethyl hexanol is a compound associated with plasticisers, coatings, adhesives and flooring.
- 9. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 10. Acetic acid can be from adhesives, food and cleaning products.
- 11. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products.
- 12. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers.
- 13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653654

Issue No: 1

Page: 3 of 3 Contract: NLBLOCK

Test Details Continued:

Determination

Result Units

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS Report Date: 3 February 2020

Test Report No: 70653655

Issue No:

Page: 1 of 3

Contract: NLBLOCK

North Lanarkshire Council **Business Regulation Service**

Fleming House Tryst Road Cumbernauld G67 1DZ

Technical Enquiries : Mass Spec

Phone 0141 276 0628 @Glasgow.Gov.uk Fax 0141 276 0669

Sample Details:

Client's Description: Volatile Organic Compounds

Date received:

18/11/2019

Sampled by:

Sample Type:

Tenax - Volatile Organic Compounds

Site:

Buchanan High

Sample Point:

Maths

Date/Time on:

18/11/2019 at 11:51

Date/Time off:

18/11/2019 at 12:21

Tenax I.D.

MI016169

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere

and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	Result	<u>Units</u>	
Sample collected by	Karen Ma	Karen Macvicar	
Sample volume	5.651	litres	
Total VOC ng	671	ng	
Total VOC mg/m3	0.119	mg/m^3	
methanol	0.0300	mg/m^3	
Ethanol	0.0051	mg/m^3	
Benzene	0.0013		
Acetic acid	0.0041	mg/m^3	
Butan-1-ol	0.0022	mg/m^3	
Toluene	0.013		
ethyl benzene	0.0006	mg/m^3	
m- & p- xylene	0.0026		
o-xylene	0.0009	mg/m^3	
Limonene	0.0020		

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653655

Issue No:

1

Page:

2 of 3

Contract: NLBLOCK

Test Details Continued:

 Determination
 Result
 Units

 Nonanal
 0.0003
 mg/m^3

 Decamethyl cyclopentasiloxane
 0.0038
 mg/m^3

 2-ethyl hexanol
 0.0035
 mg/m^3

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.119 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC).

 The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air.

 Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is below the lower range stated above and would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0013 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m^3. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Ethyl hexanol is a compound associated with plasticisers, coatings, adhesives and flooring.
- 9. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 10. Acetic acid can be from adhesives, food and cleaning products.
- 11. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products.
- 12. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers.
- 13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653655

Issue No:

1

Page:

3 of 3

Contract: NLBLOCK

Test Details Continued:

Determination

Result

<u>Units</u>

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS Report Date: 3 February 2020

Test Report No: 70653670

Issue No:

Page:

1 of 3

Contract: NLBLOCK

North Lanarkshire Council **Business Regulation Service** Fleming House Tryst Road Cumbernauld G67 1DZ

Technical Enquiries: Mass Spec Phone 0141 276 0628

> @Glasgow.Gov.uk Fax 0141 276 0669

Sample Details:

Client's Description: Volatile Organic Compounds

Date received:

19/11/2019

Sampled by:

Sample Type:

Tenax - Volatile Organic Compounds

Site:

Townhead Community Centre

Sample Point:

Reception general area

Date/Time on:

19/11/2019 at 11:49

Date/Time off:

19/11/2019 at 12:26

Tenax I.D.

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	<u>Result</u>	<u>Units</u>	
Sample collected by	Karen Ma	Karen Macvicar	
Sample volume	7.405	litres	
Total VOC ng	502	ng	
Total VOC mg/m3	0.068	mg/m^3	
methanol	0.0061	mg/m^3	
Ethanol	0.0015	mg/m^3	
Benzene	0.0007		
Acetic acid	0.0040	mg/m^3	
Butan-1-ol	0.0013	mg/m^3	
Toluene	0.0027		
ethyl benzene	0.0019	mg/m^3	
m- & p- xylene	0.0087		
o-xylene	0.0026	mg/m^3	
Limonene	0.0004		

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653670

Issue No: 1

Page: 2 of 3 Contract: NLBLOCK

Test Details Continued:

Determination	<u>Result</u>	<u>Units</u>
Nonanal	0.0024	
Decamethyl cyclopentasiloxane	0.0011	mg/m^3
2-ethyl hexanol	0.0034	mg/m^3
1,2-cylcopropylhexane	0.0076	mg/m^3

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.068 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is below the lower range stated above and would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0009 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m³. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Ethyl hexanol is a compound associated with plasticisers, coatings, adhesives and flooring.
- 9. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 10. Acetic acid can be from adhesives, food and cleaning products.
- 11. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products.
- 12. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers. 1,2-cyclopropanehexane could also be used in cleaning products.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653670

Issue No:

1

Page:

3 of 3

Contract: NLBLOCK

Test Details Continued:

Determination

Result

<u>Units</u>

13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653659

Issue No:

. .

Page:

1 of 3

Contract: NLBLOCK

North Lanarkshire Council Business Regulation Service Fleming House Tryst Road Cumbernauld G67 1DZ

Technical Enquiries : Mass Spec Phone 0141 276 0628

> ²Glasgow.Gov.uk Fax 0141 276 0669

Sample Details:

Client's Description:

Volatile Organic Compounds

Date received:

19/11/2019

Sampled by:

Sample Type:

renax - Volatile Organic Compounds

Site:

Buchanan High

Sample Point:

Snack Bar

Date/Time on:

19/11/2019 at 10:53

Date/Time off:

19/11/2019 at 11:29

Tenax I.D.

MI016654

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	Result	Units	
Sample collected by	Karen Ma	Karen Macvicar	
Sample volume	6.781	litres	
Total VOC ng	1549	ng	
Total VOC mg/m3	0.228	mg/m^3	
methanol	0.0038	mg/m^3	
Ethanol	0.0046	mg/m^3	
Benzene	0.0036	_	
Acetic acid	0.0048	mg/m^3	
Butan-1-ol	0.0030	mg/m^3	
Toluene	0.0030	_	
ethyl benzene	0.0010	mg/m^3	
m- & p- xylene	0.0050	_	
o-xylene	0.0017	mg/m^3	
Limonene	0.0318	-	

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS Test Report No: 70653659
Report Date: 3 February 2020

Issue No: 1

Page: 2 of 3 Contract: NLBLOCK

Test Details Continued:

Determination	Result	<u>Units</u>
Nonanal	0.0008	
Decamethyl cyclopentasiloxane	0.0188	mg/m^3
2-ethyl hexanol	0.0018	mg/m^3
1,2-cylcopropylhexane	0.0045	mg/m^3
Acetone	0.0150	mg/m^3
n-hexane	0.0042	mg/m^3
2-methyl hexane	0.0237	mg/m^3
Cyclohexane	0.0169	mg/m^3
2,3-dimethyl pentane	0.0030	mg/m^3
3-methyl hexane	0.0255	mg/m^3
n-heptane	0.0231	mg/m^3

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.228 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is just above the lower range stated above, however this is a snack bar there were odours from cooking present and this would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0036 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m³. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants,

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653659

Issue No:

0.0

Page:

3 of 3

Contract: NLBLOCK

Test Details Continued:

Determination

Result

<u>Units</u>

hairsprays, polishes and many other cleaning materials.

- 9. Acetic acid can be from adhesives, food and cleaning products.
- 10. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products. 1,2-cyclopropanehexane could also be used in cleaning products.
- 11. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers.
- 12. The compounds n-hexane, 2-methyl hexane, cyclohexane, 2,3-dimethyl pentane, 3-methyl hexane and n-heptane could be associated with the cooking odours that were detected during the sampling.
- 13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Approved Signatory:





64 Everard Drive, Springburn, Glasgow, G21 1XG

Test Report

Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70653660

Issue No:

Page: 1 of 3 Contract: NLBLOCK

North Lanarkshire Council Business Regulation Service Fleming House Tryst Road Cumbernauld

Technical Enquiries : Mass Spec Phone 0141 276 0628 @Glasgow.Gov.uk Fax 0141 276 0669

Sample Details:

Client's Description: Volatile Organic Compounds

Date received:

19/11/2019

Sampled by:

G67 1DZ

distribution of the same of th

Sample Type:

Tenax - Volatile Organic Compounds

Site:

Buchanan High

Sample Point:

Staff Room

Date/Time on:

19/11/2019 at 11:00

Date/Time off:

19/11/2019 at 11:30

Tenax I.D.

MI016652

Test Note:

Tenax adsorption tubes are used to absorb volatile and semi volatile organic compounds in the atmosphere and do not distinguish between the background odours in a room (e.g. cleaning and personal hygiene

products) and the complaint odours.

TVOC - Total Volatile Organic Contamination, is the Total of VOC detected in the sample tube

Test Details:

Determination	Result	<u>Units</u>	
Sample collected by	Karen Ma	Karen Macvicar	
Sample volume	5.510	litres	
Total VOC ng	4987	ng	
Total VOC mg/m3	0.905	mg/m^3	
methanol	0.0097	mg/m^3	
Ethanol	0.1136	mg/m^3	
Benzene	0.0006		
Acetic acid	0.0043	mg/m^3	
Butan-1-ol	0.0148	mg/m^3	
Toluene	0.0032		
ethyl benzene	0.0010	mg/m^3	
m- & p- xylene	0.0045		
o-xylene	0.0014	mg/m^3	
Limonene	0.3984		

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No: 70

70653660

Issue No:

1

Page:

2 of 3

Contract: NLBLOCK

Test Details Continued:

<u>Determination</u>	Result	<u>Units</u>
Nonanal	0.0005	
Decamethyl cyclopentasiloxane	0.1035	mg/m^3
2-ethyl hexanol	0.0033	mg/m^3
1,2-cylcopropylhexane	0.0052	mg/m^3
2-methyl hexane	0.0146	mg/m^3
Cyclohexane	0.0121	mg/m^3
2,3-dimethyl pentane	0.0018	mg/m^3
3-methyl hexane	0.0151	mg/m^3
n-heptane	0.0085	mg/m^3

Opinions/Comments:

Compounds reported, in the most part, form the top compounds detected.

- 1. The total volatile organic contamination (TVOC) was 0.905 mg/m3. This TVOC was within the range we expect for indoor air.
- 2. The following comments are related to the total volatile organic contamination (TVOC). The statement below is from Molhave: "Volatile Organic Compounds, Indoor Air Quality and Health" states the health effects may be experienced at the following concentrations of VOCs in indoor air. Odour complaints, irritation and discomfort can occur between 0.2 3.0 mg/m3.

The TVOC level detected is above the lower range stated above, however there were a number of teachers in the room during sampling and odours from cooking and this level would not be expected to cause a complaint.

- 3. Compounds detected are not unusual for a school environment where there has been recent refurbishment and painting.
- 4. Benzene level of 0.0006 mg/m3 was considerably lower then The Expert Panel Air Quality Standards (EPAQS) in Table D4 of document IPPC H1 Horizontal Guidance Note, which states that the annual mean for benzene is 0.005 mg/m³. Benzene, for example is a combustion product of coal, wood fuels and car exhausts.
- 5. Toluene is a common solvent, found in paints, paint thinners, silicone sealants, rubber, adhesives (glues), lacquers and disinfectants.
- 6. Ethanol can be from a number of sources, such as perfumes, air fresheners and cleaning products.
- 7. Methanol is the solvent used to prepare the internal standard injected on the sample before the sample is taken and not usually mentioned in the results. However, the level of methanol was higher than expected so there could be a local contribution to the sample. Methanol can be in, for example, antibacterial cleaners and glass cleaner.
- 8. Decamethyl cyclopentasiloxane DMPS, is an oily odourless solvent which is commonly used in paints, deodorants, hairsprays, polishes and many other cleaning materials.
- 9. Acetic acid can be from adhesives, food and cleaning products.

Glasgow Scientific Services is a division of Neighbourhoods and Sustainability, Glasgow City Council George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability



Client Ref No: AIR TESTS
Report Date: 3 February 2020

Test Report No:

70653660

Issue No:

- 3

Page:

3 of 3

Contract: NLBLOCK

Test Details Continued:

Determination

Result

<u>Units</u>

- 10. Butano-1-ol, limonene and nonanal are common compounds found in cleaning products. 1,2-cyclopropanehexane could also be used in cleaning products.
- 11. Xylene compounds can come from rubber and plastics, in solvents, and in paints and lacquers.
- 12. The compounds n-hexane, 2-methyl hexane, cyclohexane, 2,3-dimethyl pentane, 3-methyl hexane and n-heptane could be associated with the cooking odours that were detected during the sampling.
- 13. In summary, the compounds detected in the atmosphere and the concentration levels were not uncommon. The recent refurbishments that have occurred could have contributed to a number of the compounds detected.

Approved Signatory:

