

## LABORATORY ANALYSIS REPORT

<b>Report Number</b>	<b>N05840R</b>
<b>Customer</b>	<b>SIA Estonian, Latvian &amp; Lithuanian Environment</b>
	<b>Vilandes Street 3-6</b>
	<b>Riga</b>
	<b>LV-1010</b>
	<b>Latvia</b>
<b>Booking In Reference</b>	<b>T1036</b>
<b>Despatch Note Number</b>	<b>73023</b>
<b>Date Samples Received</b>	<b>09/08/2019</b>
<b>Diffusion Tube Type</b>	<b>2BSUL</b>

### Identification and estimation of ng on tube in accordance with ISO16000-6

#### Index to UKAS Accreditation Status

U	Analysis is UKAS accredited under our Fixed Scope
F	Analysis is UKAS accredited under our Flexible Scope
N	Analysis is not UKAS accredited

<b>Tube Number</b>	<b>MI068611</b>
<b>Gradko Lab Reference</b>	<b>05N0770</b>
<b>Sample Volume (l)</b>	<b>1.50</b>
<b>Sample Location</b>	<b>Banoluziy 4</b>
<b>Sample ID</b>	<b>1</b>

	Accreditation	Estimated ng on tube	$\mu\text{gm}^{-3*}$
<b>Top 20 VOC</b>	<b>Status</b>		
m/p-Xylene	U	100	66.7
Toluene	U	28	18.4
Ethylbenzene	U	27	18.2
o-Xylene	U	27	17.8
Diethyltoluamide	N	12	7.8
Nonanal**	N	<5	<3.3
Benzene	U	<5	<3.3
<b>7 Compounds Detected</b>			

<b>Tube Number</b>	<b>003514</b>
<b>Gradko Lab Reference</b>	<b>05N0771</b>
<b>Sample Volume (l)</b>	<b>1.50</b>
<b>Sample Location</b>	<b>Silutes pl. 84</b>
<b>Sample ID</b>	<b>2</b>

	Accreditation	Estimated ng on tube	$\mu\text{gm}^{-3*}$
<b>Top 20 VOC</b>	<b>Status</b>		
m/p-Xylene	U	122	81.2
Ethylbenzene	U	33	22.3
o-Xylene	U	33	21.8

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## LABORATORY ANALYSIS REPORT

	Accreditation Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
Toluene	U	30	20.3
Benzene	U	<5	<3.3

### 5 Compounds Detected

Tube Number	GRA08709
Gradko Lab Reference	05N0772
Sample Volume (l)	1.50
Sample Location	Silutes pl. 95
Sample ID	3

	Accreditation Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
Top 20 VOC			
m/p-Xylene	U	116	77.4
Ethylbenzene	U	33	21.9
o-Xylene	U	32	21.4
Toluene	U	31	20.8
Decanal**	N	12	8.2
Benzene	U	6	4.2

### 6 Compounds Detected

Tube Number	GRA11282
Gradko Lab Reference	05N0769
Sample Location	Control Southern d
Sample ID	0

	Accreditation Status	Estimated ng on tube
Top 20 VOC		
m/p-Xylene	U	107
Decanal**	N	56
Ethylbenzene	U	30
o-Xylene	U	29
Toluene	U	28
Nonanal**	N	18
Butane, 2-methyl-	N	11
Benzene	U	<5

### 8 Compounds detected

Tube Number	GRA05551
Gradko Lab Reference	19_190819_Blank6_TC1
Sample ID	Laboratory Blank

	Accreditation Status	Estimated ng on tube
Top 20 VOC		
Benzene	U	<5

### 1 Compound detected

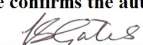
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## LABORATORY ANALYSIS REPORT

Estimated results as ng on tube are calculated by reference to toluene in accordance with ISO 16000-6

Results are not Blank corrected.

Results reported as <5ng on tube are below the reporting limit.

Reporting limit for non BTEX compounds are derived from the non-specific standard Toluene.

**\*\*Compounds may be an artifact due to reaction of ozone with the Tenax sorbent.**

Analysts Name	Gavin Aikman	Date of Analysis	20/08/2019
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Report Checked By	Len Gates	Date of Report	23/08/2019
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Analysis has been carried out in accordance with in-house method GLM 13

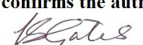
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## LABORATORY ANALYSIS REPORT

<b>Report Number</b>	<b>N06100R</b>
<b>Customer</b>	<b>SIA Estonian, Latvian &amp; Lithuanian Environment</b>
	<b>Vilandes Iela 3</b>
	<b>DZ.6</b>
	<b>Riga</b>
	<b>LV-1010</b>
	<b>Latvia</b>
<b>Booking In Reference</b>	<b>T1060</b>
<b>Despatch Note Number</b>	<b>73023</b>
<b>Date Samples Received</b>	<b>19/08/2019</b>
<b>Diffusion Tube Type</b>	<b>2BSUL</b>
<b>Sampling Date</b>	<b>14/08/2019</b>

Identification and estimation of ng on tube in accordance with ISO16000-6

### Index to UKAS Accreditation Status

U	Analysis is UKAS accredited under our Fixed Scope
F	Analysis is UKAS accredited under our Flexible Scope
N	Analysis is not UKAS accredited

<b>Tube Number</b>	<b>260835</b>		
<b>Gradko Lab Reference</b>	<b>05N0773</b>		
<b>Sample Volume (l)</b>	<b>1.50</b>		
<b>Sample Location</b>	<b>Virsutine 43</b>		
<b>Sample ID</b>	<b>1</b>		
	<b>Accreditation</b>	<b>Estimated</b>	
	<b>Status</b>	<b>ng on tube</b>	<b>µgm<sup>-3</sup>*</b>
<b>Top 20 VOC</b>			
m/p-Xylene	U	105	69.7
Butane, 2-methyl-	N	75	50
o-Xylene	U	29	19
Ethylbenzene	U	28	19
Toluene	U	28	19
Pentane	U	12	8.1
Butane, 2,2-dimethyl-	N	9	6
Benzene	U	5	4
<b>8 Compounds detected</b>			

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## LABORATORY ANALYSIS REPORT

**Tube Number** GRA02926  
**Gradko Lab Reference** 05N0774  
**Sample Volume (l)** 1.50  
**Sample Location** Stadiono 17  
**Sample ID** 2  
**Accreditation**

Top 20 VOC	Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
Butane, 2-methyl-	N	206	137
m/p-Xylene	U	99	66
Pentane	U	31	21
Toluene	U	30	20
Ethylbenzene	U	27	18
o-Xylene	U	26	18
Butane, 2,2-dimethyl-	N	20	14
Pentane, 2-methyl-	N	17	11
Benzene	U	13	8.5
Pentane, 3-methyl-	N	8	5
Hexane	U	6	4

**11 Compounds detected**

**Tube Number** GRA11913  
**Gradko Lab Reference** 05N0775  
**Sample Volume (l)** 1.50  
**Sample Location** Svyturio 22  
**Sample ID** 3  
**Accreditation**

Top 20 VOC	Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
Butane, 2-methyl-	N	287	192
m/p-Xylene	U	98	65
Pentane	U	48	32
Butane, 2,2-dimethyl-	N	33	22
Toluene	U	33	22
Ethylbenzene	U	27	18
Pentane, 2-methyl-	N	27	18
o-Xylene	U	26	17
Benzene	U	18	12
Pentane, 3-methyl-	N	10	6.8
Hexane	U	9	6

**11 Compounds detected**

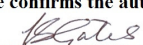
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## LABORATORY ANALYSIS REPORT

Tube Number	003933	
Gradko Lab Reference	05N0776	
Sample Location	Control Northern d	
Sample ID	0	
	Accreditation	Estimated
Top 20 VOC	Status	ng on tube
m/p-Xylene	U	114
Ethylbenzene	U	31
o-Xylene	U	31
Toluene	U	27
Decanal**	N	11
Benzene	U	6
6 Compounds detected		

Tube Number	GRA05551	
Gradko Lab Reference	19_190819_Blank6_TC1	
Sample ID	Laboratory Blank	
	Accreditation	Estimated
Top 20 VOC	Status	ng on tube
Benzene	U	<5
1 Compound detected		

Estimated results as ng on tube are calculated by reference to toluene in accordance with ISO 16000-6

Results are not Blank corrected.

Results reported as <5ng on tube are below the reporting limit.

Reporting limit for non BTEX compounds are derived from the non-specific standard Toluene.

\*\*Compounds may be an artifact due to reaction of ozone with the Tenax sorbent.

Analysts Name	Gavin Aikman	Date of Analysis	20/08/2019
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Report Checked By	Mariella Angelova	Date of Report	06/09/2019
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Analysis has been carried out in accordance with in-house method GLM 13

## LABORATORY ANALYSIS REPORT

<b>Report Number</b>	<b>N06191R</b>
<b>Customer</b>	<b>SIA Estonian, Latvian &amp; Lithuanian Environment</b>
	<b>Vilandes Iela 3</b>
	<b>Riga</b>
	<b>DZ.6</b>
	<b>LV-1010</b>
	<b>Latvia</b>
<b>Booking In Reference</b>	<b>T1078</b>
<b>Despatch Note Number</b>	<b>73526</b>
<b>Date Samples Received</b>	<b>22/08/2019</b>
<b>Diffusion Tube Type</b>	<b>2BSUL</b>
<b>Sampling Date</b>	<b>20.08.2019</b>

Identification and estimation of ng on tube in accordance with ISO16000-6

### Index to UKAS Accreditation Status

U	Analysis is UKAS accredited under our Fixed Scope
F	Analysis is UKAS accredited under our Flexible Scope
N	Analysis is not UKAS accredited

### Northern d.

<b>Tube Number</b>	<b>003929</b>		
<b>Gradko Lab Reference</b>	<b>05N0992</b>		
<b>Sample Volume (l)</b>	<b>1.50</b>		
<b>Sample Location</b>	<b>Sportiuiky 35</b>		
<b>Sample ID</b>	<b>1</b>		
	<b>Accreditation</b>	<b>Estimated</b>	
<b>Top 20 VOC</b>	<b>Status</b>	<b>ng on tube</b>	<b>µgm<sup>-3</sup>*</b>
Butane, 2-methyl-	N	236	157
m/p-Xylene	U	85	56
Toluene	U	42	28
Pentane	U	36	24
Pentane, 2-methyl-	N	27	18
Nonanal**	N	18	12
Ethylbenzene	U	17	11
o-Xylene	U	17	11
Decanal**	N	14	9
Pentane, 3-methyl-	N	14	9
Benzene	U	13	9
Butane, 2,2-dimethyl-	N	11	7.7
Cyclopentane, methyl-	N	7	4.6
Hexane, 3-methyl-	N	7	4.5
<b>14 Compounds Detected</b>			

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## LABORATORY ANALYSIS REPORT

**Tube Number** 003932  
**Gradko Lab Reference** 05N0993  
**Sample Volume (l)** 1.50  
**Sample Location** Svyturie 22  
**Sample ID** 2

	Accreditation	Estimated ng on tube	$\mu\text{gm}^{-3*}$
Top 20 VOC	Status		
Butane, 2-methyl-	N	159	106
m/p-Xylene	U	42	28
Butane, 2,2-dimethyl-	N	25	17
Toluene	U	24	16
Pentane	U	18	12
Nonanal**	N	17	12
Decanal**	N	13	8.6
o-Xylene	U	12	7.8
Ethylbenzene	U	12	7.8
Benzene	U	11	7.2
<b>10 Compounds Detected</b>			

**Tube Number** 003924  
**Gradko Lab Reference** 05N0994  
**Sample Volume (l)** 1.50  
**Sample Location** Garage Conimunity of Svyturys  
**Sample ID** 3

	Accreditation	Estimated ng on tube	$\mu\text{gm}^{-3*}$
Top 20 VOC	Status		
m/p-Xylene	U	43	28
Nonanal**	N	17	11
Toluene	U	15	10
o-Xylene	U	13	8.7
Ethylbenzene	U	12	8.1
Decanal**	N	12	7.7
Butane, 2-methyl-	N	9	5.9
Benzene	U	8	5.1
<b>8 Compounds Detected</b>			

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## LABORATORY ANALYSIS REPORT

Southern d.

Tube Number 003936  
Gradko Lab Reference 05N0996  
Sample Volume (l) 1.50  
Sample Location Laukininky 35  
Sample ID 4

Top 20 VOC	Accreditation Status	Estimated ng on tube	µgm <sup>-3</sup> *
m/p-Xylene	U	66	44
Toluene	U	14	9.6
Ethylbenzene	U	11	7.2
Decanal**	N	10	6.9
o-Xylene	U	10	6.8
Benzene	U	<5	<3

6 Compounds Detected

Tube Number 003925  
Gradko Lab Reference 05N0997  
Sample Volume (l) 1.50  
Sample Location Laukininky and Juriuiuky Crossroads  
Sample ID 5

Top 20 VOC	Accreditation Status	Estimated ng on tube	µgm <sup>-3</sup> *
m/p-Xylene	U	38	25
Toluene	U	14	9.2
Ethylbenzene	U	11	7.2
o-Xylene	U	10	6.7
Benzene	U	<5	<3

5 Compounds Detected

Tube Number 003938  
Gradko Lab Reference 05N0998  
Sample Volume (l) 1.50  
Sample Location Mogiliovo 16  
Sample ID 6

Top 20 VOC	Accreditation Status	Estimated ng on tube	µgm <sup>-3</sup> *
m/p-Xylene	U	41	27
Toluene	U	16	10.3
Ethylbenzene	U	11	7.6
o-Xylene	U	11	7.5
Decanal**	N	9	6.0
Benzene	U	<5	<3

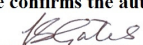
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## LABORATORY ANALYSIS REPORT

**6 Compounds Detected**

**Tube Number**

003934

**Gradko Lab Reference**

05N0995

**Sample Location**

Control Northern d

**Sample ID**

0

**Accreditation**

**Estimated**

**Top 20 VOC**

**Status**

**ng on tube**

Benzene

U

<5

**1 Compound detected**

Estimated results as ng on tube are calculated by reference to toluene in accordance with ISO 16000-6

Results are not Blank corrected.

Results reported as <5ng on tube are below the reporting limit.

Reporting limit for non BTEX compounds are derived from the non-specific standard Toluene.

**\*\*Compounds may be an artifact due to reaction of ozone with the Tenax sorbent.**

**Analysts Name**

Gavin Aikman

**Date of Analysis**

05/09/2019

**Report Checked By**

Mariella Angelova

**Date of Report**

06/09/2019

Analysis has been carried out in accordance with in-house method GLM 13

Samples have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures. Results within this report relate only to samples as received. Data provided by the client and any subsequent calculations shall be indicated by an asterisk (\*), these calculations and results are not within the scope of our UKAS accreditation. Any queries concerning data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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## LABORATORY ANALYSIS REPORT

<b>Report Number</b>	<b>N06278R</b>
<b>Customer</b>	<b>SIA Estonian, Latvian &amp; Lithuanian Environment</b>
	<b>Vilandes iela 3</b>
	<b>DZ.6</b>
	<b>Riga</b>
	<b>LV-1010</b>
	<b>Latvia</b>
<b>Booking In Reference</b>	<b>T1102</b>
<b>Despatch Note Number</b>	<b>73526</b>
<b>Date Samples Received</b>	<b>30/08/2019</b>
<b>Diffusion Tube Type</b>	<b>2BSUL</b>
<b>Sampling Date</b>	<b>28/08/2018</b>

Identification and estimation of ng on tube in accordance with ISO16000-6

### Index to UKAS Accreditation Status

U	Analysis is UKAS accredited under our Fixed Scope
F	Analysis is UKAS accredited under our Flexible Scope
N	Analysis is not UKAS accredited

### Southern d

<b>Tube Number</b>	<b>003937</b>		
<b>Gradko Lab Reference</b>	<b>05N0999</b>		
<b>Sample Volume (l)</b>	<b>1.50</b>		
<b>Sample Location</b>	<b>L point</b>		
<b>Sample ID</b>	<b>1</b>		
	<b>Accreditation</b>	<b>Estimated</b>	
	<b>Status</b>	<b>ng on tube</b>	<b>µgm<sup>-3</sup>*</b>
<b>Top 20 VOC</b>			
m/p-Xylene	U	33	22
Toluene	U	12	8.2
Nonanal**	N	12	8.1
o-Xylene	U	10	6.9
Decanal**	N	9	6
Ethylbenzene	U	9	6
Benzene	U	6	4
<b>7 Compounds Detected</b>			

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## LABORATORY ANALYSIS REPORT

**Tube Number** 003926  
**Gradko Lab Reference** 05N1000  
**Sample Volume (l)** 1.50  
**Sample Location** Jaikos pr.141  
**Sample ID** 2

Top 20 VOC	Accreditation Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
m/p-Xylene	U	33	22
Decanal**	N	26	17
Nonanal**	N	16	11
Toluene	U	11	7.4
o-Xylene	U	9	6
Ethylbenzene	U	9	6
Benzene	U	6	4
1-Hexanol, 2-ethyl-	N	<5	<3
<b>8 Compounds Detected</b>			

**Tube Number** 003928  
**Gradko Lab Reference** 05N1001  
**Sample Volume (l)** 1.50  
**Sample Location** Laukininky g.41  
**Sample ID** 3

Top 20 VOC	Accreditation Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
m/p-Xylene	U	31	21
Toluene	U	10	7.0
o-Xylene	U	9	6
Ethylbenzene	U	8	6
Nonanal**	N	<5	<3
Decanal**	N	<5	<3
Benzene	U	<5	<3
<b>7 Compounds Detected</b>			

**Tube Number** 003927  
**Gradko Lab Reference** 05N1002  
**Sample Location** Control Southern d  
**Sample ID** 0

Top 20 VOC	Accreditation Status	Estimated ng on tube
Benzene	U	8
<b>1 Compound detected</b>		

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L. Gates, Laboratory Manager

## LABORATORY ANALYSIS REPORT

Estimated results as ng on tube are calculated by reference to toluene in accordance with ISO 16000-6

Results are not Blank corrected.

Results reported as <5ng on tube are below the reporting limit.

Reporting limit for non BTEX compounds are derived from the non-specific standard Toluene.

**\*\*Compounds may be an artifact due to reaction of ozone with the Tenax sorbent.**

Analysts Name	Gavin Aikman	Date of Analysis	05/09/2019
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Report Checked By	Mariella Angelova	Date of Report	09/09/2019
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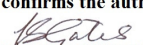
Analysis has been carried out in accordance with in-house method GLM 13

Samples have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures. Results within this report relate only to samples as received. Data provided by the client and any subsequent calculations shall be indicated by an asterisk (\*), these calculations and results are not within the scope of our UKAS accreditation. Any queries concerning data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.  
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Report Number N06278R

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L. Gates, Laboratory Manager

## LABORATORY ANALYSIS REPORT

<b>Report Number</b>	<b>N06397R</b>
<b>Customer</b>	<b>SIA Estonian, Latvian &amp; Lithuanian Environment</b>
	<b>Vilandes Iela 3</b>
	<b>DZ.6</b>
	<b>Riga</b>
	<b>LV-1010</b>
	<b>Latvia</b>
<b>Booking In Reference</b>	<b>T1114</b>
<b>Despatch Note Number</b>	<b>73526</b>
<b>Date Samples Received</b>	<b>04/09/2019</b>
<b>Diffusion Tube Type</b>	<b>2BSUL</b>
<b>Sampling Date</b>	<b>02/09/2019</b>

Identification and estimation of ng on tube in accordance with ISO16000-6

### Index to UKAS Accreditation Status

U	Analysis is UKAS accredited under our Fixed Scope
F	Analysis is UKAS accredited under our Flexible Scope
N	Analysis is not UKAS accredited

Southern d.

<b>Tube Number</b>	<b>003930</b>		
<b>Gradko Lab Reference</b>	<b>05N1205</b>		
<b>Sample Volume (l)</b>	<b>1.50</b>		
<b>Sample Location</b>	<b>Near Swiltelis 2.2</b>		
<b>Sample ID</b>	<b>1</b>		
	<b>Accreditation</b>	<b>Estimated</b>	
<b>Top 20 VOC</b>	<b>Status</b>	<b>ng on tube</b>	<b>µgm<sup>-3</sup>*</b>
Hexanoic acid, 3,5,5-trimethyl-	N	127	84.6
m/p-Xylene	U	56	37
Toluene	U	21	14
Decanal**	N	21	14
5,9-Undecadien-2-one, 6,10-dimethyl-, (E)-	N	17	11
Limonene	N	16	11
Ethylbenzene	U	15	10
o-Xylene	U	14	10
Benzene	U	7	4
<b>9 Compounds detected</b>			

Samples have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures. Results within this report relate only to samples as received. Data provided by the client and any subsequent calculations shall be indicated by an asterisk (\*), these calculations and results are not within the scope of our UKAS accreditation. Any queries concerning data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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## LABORATORY ANALYSIS REPORT

**Tube Number** 003922  
**Gradko Lab Reference** 05N1206  
**Sample Volume (l)** 1.50  
**Sample Location** Near Miuijos Juriuinliy crossroads  
**Sample ID** 2

**Accreditation**

Top 20 VOC	Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
m/p-Xylene	U	58	39
Decanal**	N	25	17
Toluene	U	21	14
o-Xylene	U	17	11
Nonanal**	N	16	11
Ethylbenzene	U	16	11
5,9-Undecadien-2-one, 6,10-dimethyl-, (E)-	N	12	8.0
Benzene	U	<5	<3

**8 Compounds detected**

**Tube Number** 003919  
**Gradko Lab Reference** 05N1207  
**Sample Volume (l)** 1.50  
**Sample Location** Jaikos pr.144  
**Sample ID** 3

**Accreditation**

Top 20 VOC	Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
m/p-Xylene	U	316	211
Decanal**	N	107	71.6
Hexanoic acid, 3,5,5-trimethyl-	N	53	35
Toluene	U	36	24
o-Xylene	U	36	24
Ethylbenzene	U	29	20
Benzene	U	29	19

**7 Compounds detected**

**Tube Number** 003920  
**Gradko Lab Reference** 05N1208  
**Sample Location** Control  
**Sample ID** 0

**Accreditation**

Top 20 VOC	Status	Estimated ng on tube
Benzene	U	6

**1 Compounds detected**



## LABORATORY ANALYSIS REPORT

Estimated results as ng on tube are calculated by reference to toluene in accordance with ISO 16000-6

Results are not Blank corrected.

Results reported as <5ng on tube are below the reporting limit.

Reporting limit for non BTEX compounds are derived from the non-specific standard Toluene.

**\*\*Compounds may be an artifact due to reaction of ozone with the Tenax sorbent.**

Analysts Name	Gavin Aikman	Date of Analysis	19/09/2019
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Report Checked By	Katya Paldamova	Date of Report	23/09/2019
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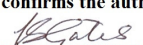
Analysis has been carried out in accordance with in-house method GLM 13

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L. Gates, Laboratory Manager

## LABORATORY ANALYSIS REPORT

<b>Report Number</b>	<b>N06648R</b>
<b>Customer</b>	<b>SIA Estonian, Latvian &amp; Lithuanian Environment</b>
	<b>Vilandes Iela 3</b>
	<b>DZ.6</b>
	<b>Riga</b>
	<b>LV-1010</b>
	<b>Latvia</b>
<b>Booking In Reference</b>	<b>T1127</b>
<b>Despatch Note Number</b>	<b>73526</b>
<b>Date Samples Received</b>	<b>06/09/2019</b>
<b>Diffusion Tube Type</b>	<b>2BSUL</b>
<b>Sampling Date</b>	<b>04/09-05/09</b>

Identification and estimation of ng on tube in accordance with ISO16000-6

### Index to UKAS Accreditation Status

U	Analysis is UKAS accredited under our Fixed Scope
F	Analysis is UKAS accredited under our Flexible Scope
N	Analysis is not UKAS accredited

### Southern d.

<b>Tube Number</b>	<b>003935</b>		
<b>Gradko Lab Reference</b>	<b>05N1209</b>		
<b>Sample Volume (l)</b>	<b>1.50</b>		
<b>Sample Location</b>	<b>Lubiny 2.2</b>		
<b>Sample ID</b>	<b>1</b>		
	<b>Accreditation</b>	<b>Estimated</b>	
	<b>Status</b>	<b>ng on tube</b>	<b>µgm<sup>-3</sup>*</b>
<b>Top 20 VOC</b>			
m/p-Xylene	U	21	14
Decanal**	N	13	8.4
5,9-Undecadien-2-one, 6,10-dimethyl-, (E)-	N	11	7.4
Toluene	U	7	5
Ethylbenzene	U	6	4
o-Xylene	U	5	4
Benzene	U	<5	<3

**7 Compounds detected**

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## LABORATORY ANALYSIS REPORT

**Tube Number** 003518  
**Gradko Lab Reference** 05N1210  
**Sample Volume (l)** 1.50  
**Sample Location** Riuiiky 31  
**Sample ID** 2

	Accreditation Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
<b>Top 20 VOC</b>			
Decanal**	N	55	36
Nonanal**	N	23	15
m/p-Xylene	U	22	15
5,9-Undecadien-2-one, 6,10-dimethyl-, (E)-	N	12	7.8
Toluene	U	9	6
Ethylbenzene	U	6	4
o-Xylene	U	6	4
Benzene	U	<5	<3
<b>8 Compounds detected</b>			

**Tube Number** 003923  
**Gradko Lab Reference** 05N1211  
**Sample Volume (l)** 1.50  
**Sample Location** Jiesioji 7  
**Sample ID** 3

	Accreditation Status	Estimated ng on tube	$\mu\text{gm}^{-3*}$
<b>Top 20 VOC</b>			
m/p-Xylene	U	20	13
Hexanoic acid, 3,5,5-trimethyl-	N	15	10
Toluene	U	9	6
Ethylbenzene	U	6	4
o-Xylene	U	5	4
Decanal**	N	5	4
Benzene	U	<5	<3
<b>7 Compounds detected</b>			

**Tube Number** GRA07596  
**Gradko Lab Reference** 05N1208  
**Sample Location** Control  
**Sample ID** 0

	Accreditation Status	Estimated ng on tube
<b>Top 20 VOC</b>		
Decanal**	N	8
Benzene	U	<5
<b>2 Compounds detected</b>		

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## LABORATORY ANALYSIS REPORT

Estimated results as ng on tube are calculated by reference to toluene in accordance with ISO 16000-6

Results are not Blank corrected.

Results reported as <5ng on tube are below the reporting limit.

Reporting limit for non BTEX compounds are derived from the non-specific standard Toluene.

**\*\*Compounds may be an artifact due to reaction of ozone with the Tenax sorbent.**

Analysts Name	Gavin Aikman	Date of Analysis	19/09/2019
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Report Checked By	Katya Paldamova	Date of Report	23/09/2019
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Analysis has been carried out in accordance with in-house method GLM 13

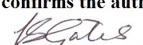
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