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SUPPORTING INFORMATION

Aliphatic Carbonyl Compounds (C₈-C₂₆) in Wintertime Atmospheric Aerosol in London, UK

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12 Table S1. Concentrations (ng m⁻³) in particulate (P) and gaseous (G) forms

RU (Regent University, 15 m above ground, 23 Jan - 19 Feb 2017)												
	n-alkanals		n-alkanals		n-alkan-2-ones		n-alkan-2-ones		n-alkan-3-ones		n-alkan-3-ones	
	P	SD	G	SD	P	SD	G	SD	P	SD	G	SD
C ₈	28.6	10.9	5.88	3.49	0.97	0.64	4.31	1.95	0.62	0.58	1.98	1.14
C ₉	11.6	6.07	5.14	3.43	0.72	0.58	4.26	2.10	0.27	0.14	1.36	0.92
C ₁₀	9.11	5.06	2.99	2.47	0.69	0.57	4.37	2.46	0.13	0.09	1.62	1.08
C ₁₁	1.32	0.81	1.58	1.05	0.84	0.61	3.09	1.80	0.12	0.13	0.82	0.66
C ₁₂	2.73	1.50	0.92	0.59	0.67	0.54	2.01	1.47	0.26	0.39	0.57	0.45
C ₁₃	1.45	0.98	0.39	0.35	1.41	1.01	0.90	0.79	0.23	0.21	0.42	0.33
C ₁₄	1.73	1.08	0.50	0.40	1.07	0.74	1.09	0.92	0.22	0.23	0.40	0.28
C ₁₅	2.10	1.41	0.11	0.13	2.33	1.31	0.44	0.35	0.48	0.49	0.47	0.38
C ₁₆	1.98	1.21			2.23	1.35	0.21	0.18	0.85	0.60	0.36	0.20
C ₁₇	1.20	0.86			6.63	3.13	0.62	0.51	1.72	0.97		
C ₁₈	16.1	9.19			7.17	3.41	0.45	0.33	0.83	0.48		
C ₁₉	4.48	3.92			9.03	3.86						
C ₂₀	1.48	1.19			6.21	3.12						
C ₂₁					5.88	3.35						
C ₂₂					4.21	3.05						
C ₂₃					3.13	2.35						
C ₂₄					2.51	1.98						
C ₂₅					1.80	1.59						
C ₂₆					1.02	1.06						
Average	6.44	3.40	2.19	1.49	3.08	1.80	1.98	1.17	0.52	0.39	0.89	0.60

WM (Westminster University, 20 m above ground, 24 Jan - 20 Feb 2017)												
	n-alkanals		n-alkanals		n-alkan-2-ones		n-alkan-2-ones		n-alkan-3-ones		n-alkan-3-ones	
	P	SD	G	SD	P	SD	G	SD	P	SD	G	SD
C ₈	50.3	18.7	12.4	4.33	0.94	0.66	6.15	2.57	1.47	1.05	2.84	1.61
C ₉	12.6	6.64	8.21	5.43	0.85	0.80	4.59	2.34	0.81	0.71	2.01	1.33
C ₁₀	12.7	6.97	2.76	1.82	0.74	0.60	4.41	2.32	0.62	0.45	2.04	1.15
C ₁₁	1.74	1.53	1.05	0.89	0.81	0.69	3.22	2.31	0.62	0.61	1.09	0.76
C ₁₂	3.87	2.92	1.38	0.81	0.57	0.54	1.41	0.87	0.20	0.19	0.68	0.56
C ₁₃	2.26	1.53	0.49	0.45	1.29	1.04	1.35	1.02	0.50	0.43	0.30	0.25
C ₁₄	2.73	1.78	0.87	0.71	0.75	0.81	1.61	0.97	0.20	0.16	0.58	0.36
C ₁₅	3.51	2.92			2.89	2.06	0.51	0.33	0.89	0.52	0.41	0.23
C ₁₆	2.62	2.02			2.84	2.15	0.33	0.29	1.21	0.64	0.11	0.17
C ₁₇	1.42	1.03			5.16	4.40	0.85	0.68	2.05	1.15	0.19	0.30
C ₁₈	17.8	11.0			5.37	4.32	0.96	0.73	1.79	1.51	0.01	0.08
C ₁₉	2.65	2.02			5.98	4.98						
C ₂₀	3.34	2.66			8.26	6.93						
C ₂₁					6.02	5.46						
C ₂₂					5.61	5.53						
C ₂₃					2.76	3.11						
C ₂₄					2.14	2.19						

C ₂₅					1.17	1.18							
C ₂₆					1.01	1.13							
Average	9.04	4.75	3.88	2.06	2.90	2.56	2.31	1.31	0.94	0.67	0.93	0.62	

EL (Eltham, 23 Feb - 21 Mar 2017)

	n-alkanals		n-alkanals		n-alkan-2-ones		n-alkan-2-ones		n-alkan-3-ones		n-alkan-3-ones		
	P	SD	G	SD	P	SD	G	SD	P	SD	G	SD	
C ₈	53.0	22.5	4.21	1.41	1.66	0.94	5.00	2.46	1.10	0.91	2.35	1.24	
C ₉	27.6	21.5	2.32	1.36	1.81	1.93	2.95	1.80	0.92	0.99	1.15	0.87	
C ₁₀	19.3	11.6	2.02	0.96	2.56	3.28	2.82	1.66	1.01	0.79	1.14	0.66	
C ₁₁	4.56	4.72	0.68	0.51	3.81	4.51	1.46	0.95	1.31	1.15	0.80	0.29	
C ₁₂	6.75	7.02	0.52	0.49	4.76	6.24	0.95	0.73	0.73	0.95	0.37	0.27	
C ₁₃	4.75	3.43	0.22	0.16	5.44	6.32	0.88	0.65	0.90	0.92	0.47	0.32	
C ₁₄	3.94	2.43	0.37	0.36	4.07	3.30	0.68	0.53	0.52	0.54	0.36	0.30	
C ₁₅	6.22	4.05	0.21	0.19	6.30	4.27	0.37	0.30	1.84	1.19	0.34	0.27	
C ₁₆	3.29	2.92			6.41	3.28	0.40	0.28	2.66	1.69	0.33	0.24	
C ₁₇	5.03	4.91			10.9	5.82	0.45	0.42	1.98	1.32	0.45	0.19	
C ₁₈	22.6	18.3			1.56	6.16	0.45	0.31	2.26	1.48	0.40	0.57	
C ₁₉	7.46	4.58			11.9	11.2							
C ₂₀	5.05	4.10			8.96	7.75							
C ₂₁					15.2	7.22							
C ₂₂					11.1	7.34							
C ₂₃					13.0	9.38							
C ₂₄					6.84	6.17							
Average	13.0	8.62	1.32	0.68	6.84	5.59	1.49	0.92	1.38	1.08	0.74	0.47	

MR (Marylebone road, 22 Mar - 18 Apr 2017)

	n-alkanals		n-alkanals		n-alkan-2-ones		n-alkan-2-ones		n-alkan-3-ones		n-alkan-3-ones	
	P	SD	G	SD	P	SD	G	SD	P	SD	G	SD
C ₈	141	68.8	15.6	5.88	4.22	3.44	10.7	3.65	2.89	1.54	3.83	2.26
C ₉	126	74.7	14.2	4.24	3.35	2.88	9.08	3.43	1.76	1.69	2.74	1.82
C ₁₀	99.9	46.6	8.99	4.16	12.1	5.21	7.72	3.67	0.80	0.74	3.13	1.76
C ₁₁	26.0	13.5	3.76	2.93	4.69	3.96	4.66	2.42	0.88	0.64	1.78	0.56
C ₁₂	38.6	22.3	2.92	2.52	22.3	8.02	2.90	1.71	0.63	0.50	1.61	0.39
C ₁₃	36.0	20.1	1.46	1.08	11.7	4.06	1.64	0.92	1.38	1.09	1.61	0.38
C ₁₄	35.6	17.0	1.78	1.61	41.6	12.7	1.78	0.91	3.29	2.38	1.28	0.49
C ₁₅	76.1	30.0			23.6	10.3	0.75	0.40	6.31	2.84	1.22	0.29
C ₁₆	41.0	22.5			14.4	7.90	0.54	0.25	7.53	3.70	1.03	0.24
C ₁₇	21.9	11.7			14.0	7.12	0.59	0.46	5.64	3.52	0.77	0.18
C ₁₈	10.7	8.76			9.68	6.61	0.78	0.62	4.64	2.82	0.63	0.23
C ₁₉	17.5	10.7			3.56	2.93			4.35	1.91		
C ₂₀	5.47	4.28			7.78	6.17						
C ₂₁					4.01	4.41						
C ₂₂					5.12	4.40						
C ₂₃					2.65	2.73						
C ₂₄					5.89	4.71						

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Table S2. The ratios of n-alkan-2-ones/n-alkanes, and n-alkan-3-ones/n-alkanes with same carbon numbers.

n-alkan-2-ones/n-alkanes, %					
Carbon numbers	RU	WM	EL	MR	
				Northerly winds	Southerly winds
C11	2.18	1.35	3.60	2.13	2.57
C12	2.42	1.17	5.73	9.32	12.5
C13	1.78	1.53	4.00	4.30	5.16
C14	1.41	1.10	2.62	12.2	17.7
C15	3.07	2.92	7.09	8.42	11.2
C16	2.79	2.52	6.20	5.81	6.97
C17	9.56	7.00	13.3	11.8	12.6
C18	13.2	9.31	4.54	7.21	8.27
C19	27.8	11.9	23.3	3.70	2.95
C20	24.6	21.4	18.7	8.34	8.84
C21	14.6	9.71	20.4	3.21	3.92
C22	12.2	9.83	18.9	4.31	2.86
C23	5.41	3.48	19.1	3.41	1.51
C24	5.85	3.38	14.0	4.70	3.16
C25	4.78	2.43			
C26	3.10	2.24			
averages	8.41	5.70	11.5	6.35	7.16
min	1.41	1.10	2.62	2.13	1.51
max	27.8	21.4	23.3	12.2	17.7

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n-alkan-3-ones/n-alkanes, %					
Carbon numbers	RU	WM	EL	MR	
				Northerly winds	Southerly winds
C11	0.53	0.57	1.36	0.58	0.77
C12	0.75	0.52	1.11	0.80	1.20
C13	0.50	0.46	0.87	0.99	1.31
C14	0.41	0.37	0.48	1.37	1.94
C15	1.05	1.11	2.32	2.45	4.67
C16	1.38	1.05	2.72	2.90	4.39
C17	2.27	2.60	2.86	4.45	6.90
C18	1.44	2.65	6.01	3.04	5.94
C19				3.62	4.73
averages	1.04	1.17	2.22	2.24	3.54
min	0.41	0.37	0.48	0.58	0.77
max	2.27	2.65	6.01	4.45	6.90

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20 Table S3. The regression equations between black carbon (BC) and n-alkanals, NO_x and n-alkanals.

21 $C_{n\text{-alkanals}} = m C_{BC} + b$

Carbon atoms	RU			WM			MR					
	m	b	r ²	m	b	r ²	Northerly Winds			Southerly winds		
							m	b	r ²	m	b	r ²
C8	-0.43	34.3	0.00	-5.30	73.5	0.03	40.5	30.7	0.27	39.6	17.5	0.49
C9	-3.88	21.2	0.06	-0.63	21.5	0.00	18.6	71.2	0.09	57.0	-108	0.61
C10	-2.00	14.5	0.02	-1.55	18.3	0.02	4.39	95.7	0.05	36.2	-48.8	0.53
C11	0.11	2.28	0.00	-0.18	3.25	0.01	-0.33	27.4	0.02	12.6	-25.2	0.57
C12	-1.25	5.23	0.11	-0.17	5.84	0.00	2.17	30.1	0.02	20.7	-47.3	0.56
C13	-0.10	1.87	0.00	0.01	2.84	0.00	-4.36	46.7	0.09	12.6	-12.7	0.58
C14	-0.23	2.48	0.02	0.11	3.60	0.00	6.37	19.5	0.18	9.57	-0.65	0.49
C15	-0.33	2.57	0.01	-0.69	5.25	0.02	6.59	57.0	0.12	18.3	5.08	0.43
C16	0.85	0.81	0.09	-0.01	2.75	0.00	5.57	29.6	0.08	8.18	9.85	0.28
C17	-0.35	1.66	0.04	0.05	1.33	0.00	4.73	4.67	0.31	5.79	0.94	0.35
C18	-6.42	25.2	0.10	-1.90	21.7	0.01	0.81	6.19	0.03	8.61	-26.2	0.44
C19	-2.80	7.88	0.15	-0.35	3.38	0.01	3.74	4.81	0.50	7.08	-9.39	0.38
C20	0.11	1.33	0.00	-1.04	5.44	0.07	0.79	2.18	0.14	2.38	-3.11	0.34
Average			0.05			0.01			0.15			0.47
Min	-6.42	0.81	0.00	-5.30	1.33	0.00	-4.36	2.18	0.02	2.38	-108	0.28
Max	0.85	34.3	0.15	0.11	73.5	0.07	40.5	95.7	0.50	57.02	17.5	0.61

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23 $C_{n\text{-alkanals}} = m C_{NO_x} + b$

Carbon atoms	EL			MR					
	m	b	r ²	Northerly Winds			Southerly winds		
				m	b	r ²	m	b	r ²
C8	-0.75	72.9	0.12	0.67	27.4	0.21	0.53	32.8	0.50
C9	1.05	4.38	0.31	0.38	54.4	0.06	0.56	-5.49	0.48
C10	0.44	10.4	0.16	0.11	83.2	0.01	0.36	13.0	0.42
C11	0.16	1.48	0.13	0.01	25.6	0.01	0.11	1.73	0.49
C12	0.06	5.51	0.01	0.14	13.1	0.19	0.18	-2.49	0.45
C13	0.08	2.92	0.07	-0.02	35.3	0.01	0.14	1.35	0.38
C14	0.03	3.59	0.02	0.15	12.1	0.23	0.13	4.64	0.35
C15	0.00	6.14	0.00	0.20	39.9	0.15	0.14	47.4	0.15
C16	0.07	1.72	0.07	0.18	17.0	0.20	0.11	11.0	0.12
C17	-0.09	7.04	0.05	0.08	4.19	0.28	0.05	11.4	0.11
C18	-0.49	34.1	0.09	0.02	5.64	0.03	0.07	-8.65	0.30
C19	0.05	6.24	0.02	3.74	4.81	0.50	0.07	1.14	0.23
C20	-0.06	6.33	0.03	0.00	3.28	0.01	0.03	-2.08	0.24
Average			0.08			0.15			0.32
Min	-0.75	1.48	0.00	-0.02	3.28	0.01	0.03	-8.65	0.11
Max	1.05	72.9	0.31	3.74	83.2	0.50	0.56	47.4	0.50

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26 Table S4. Analysis of n-alkanals, alkan-2-ones and alkan-3-ones partitioning, all compounds, daily
 27 data at RU, WM, El and MR sites.

RU										
Date	Temp	alkanals (C ₈ -C ₁₄)			alkan-2-ones (C ₈ -C ₁₈)			alkan-3-ones (C ₈ -C ₁₆)		
	°C	m	b	r ²	m	b	r ²	m	b	r ²
26/01/2017	0.41	-0.28	-5.50	0.25	-1.02	-7.27	0.54	-0.41	-6.54	0.21
27/01/2017	7.17	-0.62	-5.30	0.37	-1.75	-7.56	0.89	-1.42	-8.20	0.35
28/01/2017	5.44	-0.55	-5.23	0.39	-1.79	-7.03	0.84	-1.81	-8.04	0.53
29/01/2017	8.28	-0.11	-4.97	<0.01	-1.69	-6.36	0.89	-1.47	-6.86	0.29
03/02/2017	5.58	-0.10	-5.06	0.21	-1.90	-7.71	0.87	-1.96	-8.28	0.90
04/02/2017	5.15	-1.95	-6.37	0.37	-1.92	-7.82	0.94	-2.11	-8.82	0.59
05/02/2017	3.70	-1.21	-6.14	0.15	-2.15	-8.59	0.89	-1.79	-8.53	0.57
06/02/2017	6.30	-0.75	-4.04	0.36	-2.00	-9.39	0.87	-1.16	-7.79	0.45
07/02/2017	5.60	-1.45	-2.78	0.17	-1.59	-9.13	0.78	-1.01	-7.75	0.45
08/02/2017	2.84	-2.78	-2.08	0.58	-1.49	-9.06	0.74	-1.90	-9.30	0.68
09/02/2017	1.65	-0.99	-6.73	0.28	-1.78	-9.86	0.86	-1.70	-9.61	0.40
10/02/2017	1.38	-0.13	-5.21	<0.01	-1.74	-8.69	0.73	-0.70	-7.09	0.14
11/02/2017	2.30	-1.21	-6.60	0.31	-1.64	-9.20	0.79	-1.20	-8.14	0.18
12/02/2017	5.67	-1.45	-2.67	0.31	-1.53	-9.30	0.08	-1.74	-9.86	0.42
13/02/2017	5.60	-1.80	-2.23	0.27	-1.73	-9.61	0.82	-1.92	-10.6	0.66
14/02/2017	9.51	-0.77	-5.94	0.12	-2.05	-9.57	0.85	-1.18	-8.13	0.20
15/02/2017	7.96	-1.36	-3.90	0.11	-1.59	-8.09	0.82	-0.93	-7.05	0.26
17/02/2017	7.83	-0.28	-4.65	0.21	-1.91	-9.58	0.87	-1.79	-9.70	0.26
18/02/2017	7.72	-0.73	-4.04	0.38	-1.49	-8.86	0.77	-1.18	-8.19	0.32
19/02/2017	11.4	-0.28	-4.88	0.21	-2.25	-8.93	0.75	-1.06	-7.31	0.20
Average				0.25			0.78			0.40
Min		-2.78			-2.25			-2.11		
Max		-0.1			-1.02			-0.41		

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WM										
Date	Temp	alkanals (C ₈ -C ₁₄)			alkan-2-ones (C ₈ -C ₁₈)			alkan-3-ones (C ₈ -C ₁₆)		
	°C	m	b	r ²	m	b	r ²	m	b	r ²
26/01/2017	0.41	-2.52	-1.68	0.38	-1.81	-9.37	0.76	-1.23	-8.42	0.26
27/01/2017	7.17	-1.09	-6.23	0.29	-1.48	-8.45	0.79	-0.83	-6.95	0.23
28/01/2017	5.44	-0.74	-5.74	0.23	-2.22	-7.65	0.92	-1.75	-7.27	0.76
29/01/2017	8.28	-2.38	-6.45	0.22	-1.92	-7.62	0.71	-0.79	-6.51	0.28
03/02/2017	5.58	-0.74	-4.94	0.03	-1.72	6.34	0.90	-1.15	-6.77	0.14
04/02/2017	5.15	-2.38	-6.45	0.22	-1.72	-6.34	0.90	-0.52	-6.14	0.07
05/02/2017	3.70	-1.59	-5.70	0.38	-2.09	-7.37	0.93	-1.53	-7.38	0.21
06/02/2017	6.30	-0.41	-5.19	0.31	-1.61	-7.74	0.64	-1.02	-4.02	0.13
07/02/2017	5.60	-0.19	-4.85	<0.01	-1.88	-9.66	0.81	-1.73	-9.02	0.41
08/02/2017	2.84	-1.04	-6.34	0.16	-1.83	-8.76	0.91	-1.39	-8.25	0.63
09/02/2017	1.65	-1.63	-6.47	0.28	-2.13	-8.28	0.92	-0.96	-7.03	0.28
10/02/2017	1.38	-1.99	-7.31	0.30	-1.87	-9.17	0.93	-1.06	-7.35	0.19
11/02/2017	2.30	-0.75	-6.26	0.34	-1.90	-9.44	0.85	-2.17	-8.66	0.21
12/02/2017	5.67	-0.72	-6.11	0.12	-1.85	-9.51	0.86	-0.70	-7.12	0.12
13/02/2017	5.60	-0.51	-4.41	0.23	-1.86	-9.31	0.87	-1.09	-7.77	0.18
14/02/2017	9.51	-1.53	-2.29	0.18	-2.17	-10.8	0.83	-0.47	-6.40	0.02
15/02/2017	7.96	-0.68	-4.56	0.37	-2.31	-8.41	0.91	-1.09	-6.90	0.35
16/02/2017	9.27	-0.57	-5.42	0.16	-2.31	-8.80	0.80	-1.74	-8.06	0.47
17/02/2017	7.83	-0.81	-5.94	0.19	-2.25	-10.0	0.86	-1.12	-7.86	0.29
18/02/2017	7.72	-0.44	-5.61	0.13	-1.79	-9.72	0.88	-1.54	-8.50	0.36
19/02/2017	11.4	-1.49	-3.66	0.33	-1.60	-7.41	0.86	-1.66	-7.27	0.68
Average				0.23			0.85			0.30
Min		-2.52			-2.31			-2.17		
Max		-0.19			-1.48			-0.47		

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EI										
Date	Temp	alkanalns (C ₈ -C ₁₄)			alkan-2-ones (C ₈ -C ₁₈)			alkan-3-ones (C ₈ -C ₁₆)		
	°C	m	b	r ²	m	b	r ²	m	b	r ²
23/02/2017	5.20	-0.22	-5.04	<0.01	-1.92	-6.70	0.78	-1.30	-6.95	0.52
24/02/2017	5.58	-3.53	-5.31	0.16	-1.64	-7.09	0.84	-1.66	-7.18	0.83
25/02/2017	9.36	-1.06	-4.00	0.24	-1.84	-5.42	0.69	-0.25	-5.67	0.03
26/02/2017	9.82	-0.22	-4.98	<0.01	-1.78	-6.49	0.90	-1.02	-6.02	0.37
27/02/2017	4.16	-0.45	-5.32	0.31	-1.37	-6.63	0.92	-0.78	-6.59	0.09
28/02/2017	5.55	-0.06	-5.04	<0.01	-1.48	-7.98	0.92	-1.48	-7.61	0.25
01/03/2017	6.57	-1.49	-5.27	0.19	-1.53	-7.07	0.85	-1.59	-7.33	0.80
02/03/2017	5.77	-0.44	-5.21	0.32	-1.54	-6.80	0.94	-1.40	-6.75	0.52
03/03/2017	8.09	-4.88	-1.87	0.70	-2.75	-9.01	0.55	-0.33	-6.08	0.02
04/03/2017	6.98	-1.75	-4.69	0.20	-2.14	-7.47	0.81	-0.12	-5.64	<0.01
05/03/2017	6.19	-1.32	-5.01	0.25	-1.56	-6.87	0.95	-1.11	-6.77	0.35
06/03/2017	5.13	-1.03	-5.75	0.26	-1.67	-7.70	0.74	-1.24	-7.01	0.43
07/03/2017	8.12	-1.30	-4.25	0.14	-2.21	-6.57	0.73	-1.04	-6.17	0.33
08/03/2017	9.89	-0.29	-4.71	<0.01	-1.64	-7.39	0.88	-1.09	-6.68	0.32
09/03/2017	6.83	-6.67	-4.56	0.73	-1.95	-7.04	0.76	-1.23	-6.57	0.20
10/03/2017	7.69	-1.04	-4.85	0.33	-2.27	-7.57	0.68	-2.25	-7.31	0.33
11/03/2017	7.12	-0.83	-4.83	0.31	-2.63	-7.12	0.61	-1.28	-6.62	0.51
12/03/2017	7.50	-1.63	-4.86	0.24	-2.00	-6.30	0.49	-0.52	-4.52	0.07
13/03/2017	8.21	-0.72	-4.55	0.31	-1.91	-6.20	0.88	-1.32	-6.47	0.59
14/03/2017	7.88	-0.04	-4.85	<0.01	-1.57	-6.76	0.52	-1.38	-6.70	0.56
15/03/2017	8.04	-0.66	-5.09	0.22	-1.80	-6.93	0.73	-1.45	-6.70	0.56
16/03/2017	7.37	-0.70	-5.13	0.30	-1.32	-7.42	0.49	-0.65	-6.48	0.06
17/03/2017	10.2	-1.61	-4.17	0.78	-1.94	-7.28	0.54	-0.49	-5.76	0.04
18/03/2017	11.1	-0.26	-4.81	0.32	-1.47	-7.12	0.43	-1.33	-6.96	0.65
19/03/2017	11.1	-1.71	-4.47	0.58	-2.70	-7.77	0.78	-0.48	-6.03	0.08
21/03/2017	6.53	-4.98	-3.47	0.70	-2.56	-6.53	0.73	-0.24	-5.84	0.01
Average				0.31			0.74			0.34
Min		-6.67			-2.75			-2.25		
Max		-0.04			-1.32			-0.12		

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MR										
Date	Temp	alkanalns (C ₈ -C ₁₄)			alkan-2-ones (C ₈ -C ₁₈)			alkan-3-ones (C ₈ -C ₁₆)		
	°C	m	b	r ²	m	b	r ²	m	b	r ²
22/03/2017	8.01	-2.42	-4.14	0.93	-1.15	-6.16	0.45	-0.92	-6.62	0.36
23/03/2017	8.64	-1.59	-4.74	0.79	-1.31	-8.00	0.61	-2.07	-8.47	0.73
24/03/2017	9.01	-3.45	-7.79	0.90	-1.29	-7.65	0.70	-2.00	-9.04	0.85
25/03/2017	10.1	-1.50	-5.30	0.55	-1.46	-6.85	0.70	-1.49	-7.52	0.37
26/03/2017	9.95	-1.98	-4.14	0.25	-1.67	-6.13	0.79	-1.36	-6.86	0.64
27/03/2017	10.5	-0.33	-5.16	0.31	-1.61	-7.45	0.87	-1.62	-7.36	0.39
28/03/2017	13.1	-3.35	-5.19	0.78	-1.67	-6.46	0.84	-1.62	-7.36	0.37
29/03/2017	13.7	-1.78	-4.68	0.68	-1.77	-6.56	0.64	-2.32	-7.96	0.40
30/03/2017	15.5	-0.77	-5.04	0.45	-2.02	-7.36	0.81	-1.33	-7.25	0.76
31/03/2017	11.9	-1.52	-5.05	0.53	-2.41	-7.06	0.89	-2.59	-8.71	0.60
01/04/2017	10.8	-1.73	-5.41	0.42	-1.77	-7.64	0.54	-0.65	-6.46	0.35
02/04/2017	11.1	-2.02	-5.64	0.35	-1.89	-6.91	0.76	-0.88	-6.57	0.35
03/04/2017	12.3	-0.63	-5.13	0.33	-1.62	-7.10	0.55	-1.32	-7.39	0.31
04/04/2017	10.8	-1.52	-4.25	0.29	-1.60	-5.90	0.73	-2.49	-7.16	0.47
05/04/2017	10.8	-1.99	-4.84	0.87	-1.24	-6.31	0.57	-1.73	-7.77	0.42
06/04/2017	12.0	-3.97	-6.07	0.63	-1.88	-7.61	0.72	-1.93	-8.27	0.61
07/04/2017	12.4	-0.57	-5.46	0.51	-1.96	-8.01	0.72	-0.51	-6.52	0.37
08/04/2017	15.3	-1.17	-3.91	0.37	-1.42	-7.39	0.72	-1.26	-7.48	0.34
09/04/2017	15.1	-1.37	-5.77	0.25	-1.41	-7.11	0.64	-1.31	-7.80	0.76
10/04/2017	10.4	-2.36	-5.53	0.48	-1.52	-6.33	0.80	-1.18	-7.23	0.35
11/04/2017	11.3	-0.15	-4.88	0.31	-1.64	-6.77	0.77	-1.31	-7.21	0.58
12/04/2017	11.8	-1.51	-5.08	0.26	-1.46	-6.69	0.77	-1.81	-8.05	0.54
13/04/2017	11.2	-3.52	-5.16	0.47	-1.72	-6.92	0.77	-1.47	-7.56	0.59
14/04/2017	12.0	-1.98	-4.18	0.58	-1.11	-7.16	0.70	-2.20	-8.74	0.53
15/04/2017	10.7	-1.94	-4.86	0.47	-1.15	-6.31	0.48	-0.62	-6.36	0.41
16/04/2017	11.0	-3.29	-4.44	0.45	-1.36	-6.04	0.47	-1.25	-7.29	0.46
18/04/2017	9.01	-0.89	-4.89	0.25	-1.72	-6.33	0.84	-2.45	-7.97	0.57
Average				0.50			0.70			0.50
Min		-3.97			-2.41			-2.59		
Max		-0.15			-1.15			-0.51		

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