



Public Health  
England

Protecting and improving the nation's health

# **Environmental monitoring following the Grenfell Tower fire Data update**

27 June 2019

# About Public Health England

Public Health England exists to protect and improve the nation's health and wellbeing, and reduce health inequalities. We do this through world-leading science, knowledge and intelligence, advocacy, partnerships and the delivery of specialist public health services. We are an executive agency of the Department of Health and Social Care, and are a distinct delivery organisation with operational autonomy. We provide government, local government, the NHS, Parliament, industry and the public with evidence-based professional, scientific and delivery expertise and support.

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## Overview

Public Health England (PHE) has been assessing and monitoring air quality in the area surrounding Grenfell Tower since the start of the fire on 14 June 2017. Initial risk assessments carried out in conjunction with partner agencies focussed on the smoke plume which rose upwards rapidly and was carried in a northerly direction by the wind. This meant that there was a low risk of impact on local air quality from the fire. Assessment of data from [The London Air Quality Monitoring network](#) was used to confirm the initial risk assessment that levels of particulate matter were low, and remained so over the next 10 days.

PHE started additional monitoring of air quality close to Grenfell Tower on 24 June 2017.

Results to date have shown that levels of particulate matter remain low and no asbestos fibres have been found above the limit of detection in areas surrounding Grenfell Tower. Current evidence, therefore, suggests the risk to public health from air pollution remains low.

PHE is monitoring for pollutants that have both short and long term effects to be sure we understand if there is a risk to public health. Some of these results take longer to collect. Average results to date for dioxins, furans and dioxin-like polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs) are comparable to background levels for London.

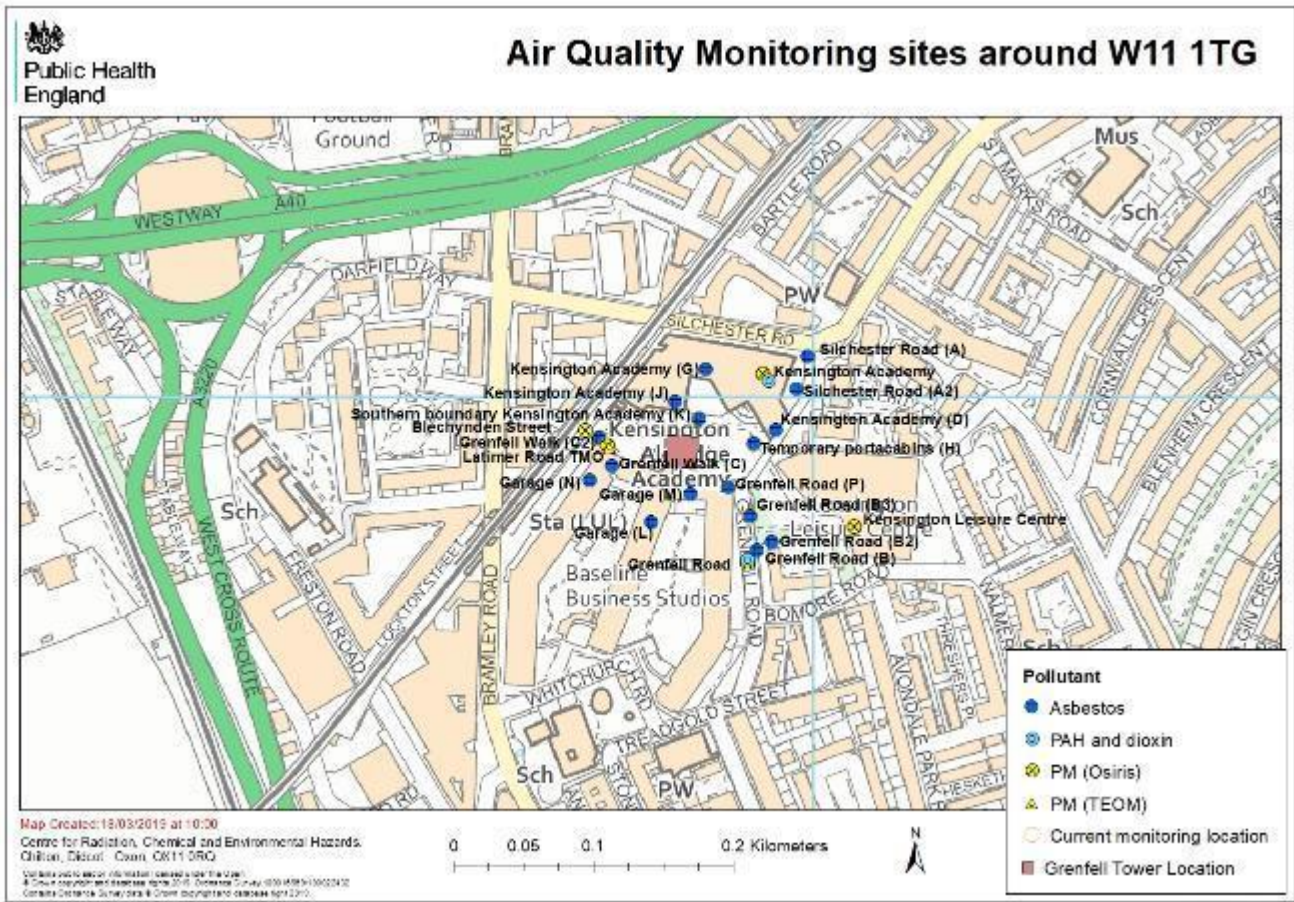
The monitoring strategy has been reviewed and agreed with partners within a multi-agency monitoring group. The samples are collected and analysed by an independent environmental company and the results are assessed by PHE specialist environmental public health scientists.

The air quality monitoring strategy is regularly reviewed based on activities around the site. During summer 2018, activity on the site reduced and the tower is now fully covered. Therefore, the strategy is being changed to stop monitoring for dioxins, furans, PCBs and PAHs as these chemicals are no longer likely to be released.

Monitoring for particulate matter and asbestos will continue to provide a baseline level, and ensure we are able to assess any impacts on air quality as and when any further activity takes place on the site.

The environmental monitoring data is shown on the following pages alongside an explanation of the data in terms of potential impacts on health. The information will be updated regularly as more monitoring data becomes available.

# Monitoring locations



The map will be updated regularly as certain monitoring locations, for example for asbestos, will be moved around the site to ensure good coverage based on site activities.

## Background to monitoring

PHE has been assessing and monitoring air quality in the area surrounding Grenfell Tower since the fire started. During the initial stages of the fire the main focus for the assessment was on the smoke plume, which rose upwards rapidly and was carried in a northerly direction by the wind.

The **London Air Quality Monitoring network** was used to assess impacts from particulate matter (PM<sub>10</sub>) within the smoke plume on air quality in the surrounding area and further away. Further details of the Air Quality monitoring from the closest fixed air quality monitor in North Kensington can be found in Appendix 1.

PHE has **reviewed the evidence** on the contents of smoke plumes after fires. Although each fire will have specific characteristics, there are common chemicals which are usually released in smoke, such as particulate matter which can be used as a marker for other emissions.

PHE commissioned monitoring for particulate matter, asbestos, dioxins and polycyclic aromatic hydrocarbons (PAHs). Fires are not the only source of these contaminants; there are other sources in the environment, for example traffic and industrial sources.

However, it is important to ensure that the fire had not resulted in significantly higher levels of these chemicals in the local area, and to also ensure that as work progresses on the site, this did not result in notably elevated levels of these contaminants.

The air quality monitoring strategy is regularly reviewed based on activities around the site. During summer 2018, activity on the site was reduced and the tower is now fully covered. Therefore, the strategy is being changed to stop monitoring for dioxins and PAH as these chemicals are no longer likely to be released.

Monitoring for particulate matter and asbestos will continue to provide a baseline level, and ensure we are able to assess any impacts on air quality as and when any further activity takes place on the site.

## Monitoring timeline

To supplement the initial risk assessments and plume modelling made on 14 June 2017 and the information available from the [London Air Quality Monitoring Network](#) (see Appendix 1), PHE introduced monitoring for particulate matter in close proximity to Grenfell Tower on 24 June 2017 at 3 locations (Kensington Aldridge Academy; Kensington Leisure Centre and Blechynden Street); a fourth monitoring site for particulate matter (Grenfell Road) was set up on 3 July 2017.

Following a review of the monitoring locations, the particulate matter monitor at Blechynden Street was moved on 17 August 2017 to a location close to the Latimer Road TMO office. The monitor was moved from Blechynden Street as it was located close to a motor garage and was occasionally impacted by vehicle exhaust emissions.

A new particulate monitor has also been co-located at Latimer Road TMO office, to allow a comparison between different particulate monitoring methods and reference standards used nationally.

Monitoring data for asbestos fibres taken from test equipment worn by staff working in Grenfell Tower was supplemented by PHE monitoring for asbestos in areas around Grenfell Tower from the 30 June 2017. Two monitoring site locations for asbestos at Grenfell Road (B) and Grenfell Walk (C) were moved on 29 July 2017 due to accessibility issues but still within close proximity to the tower (see map above and Appendix 2 for further details).

PHE, after consulting with scientific partners, introduced monitoring for potential long-term low-concentration threats (dioxins and PAHs) on 3 July 2017 (Kensington Aldridge Academy and Grenfell Road). All the monitoring sites are highlighted on the map above. Further details of monitoring locations including photos can be found in Appendix 2. Monitoring for dioxins and PAHs ceased on 20 August 2018.



**Particulate matter (PM<sub>10</sub>) data**

Date	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>	London Mean PM <sub>10</sub> µg/m <sup>3</sup>	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>
Sat 24/06/17	4	5				14	14	15	53				17
Sun 25/06/17	4	5				12	12	10	11				17
Mon 26/06/17	7	8				14	17	12	14				19
Tue 27/06/17	13	14				32	26	21	22				38
Wed 28/06/17	5	5				16	15	10	9				27
Thur 29/06/17	4	5				14	15	8	7				18
Fri 30/06/17	4	5	12			15	16	16	9	101			22
Sat 01/07/17	7	8	12			19	17	14	15	64			21
Sun 02/07/17	6	7	10			16	14	9	14	44			23
Mon 03/07/17	6	8	13			16	15	13	13	103			20
Tue 04/07/17	6	7	17			17	17	10	11	121			25
Wed 05/07/17	7	8	19			20	19	10	10	163			25
Thur 06/07/17	10	11	23			15	27	25	23	86			26
Fri 07/07/17	6	7	18			10	19	9	10	111			14
Sat 08/07/17	4	5	11			7	14	13	14	48			20
Sun 09/07/17	5	6	17			12	17	12	13	104			22
Mon 10/07/17	7	7	14		43	10	17	18	18	87		773	13
Tue 11/07/17	7	6	23		13	8	14	18	13	446		299	16
Wed 12/07/17	6	6	16		9	8	14	46	12	180		15	15
Thur 13/07/17	8	9	23		15	12	19	11	14	224		200	15
Fri 14/07/17	6	7	10		11	9	16	9	13	37		103	11
Sat 15/07/17	7	8	13		11	9	17	12	13	66		59	15
Sun 16/07/17	4	4	9		7	5	10	6	20	36		42	8



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	24 hr Mean	24 hr Mean	24hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>	London Mean PM <sub>10</sub> µg/m <sup>3</sup>	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>
Mon 17/07/17	6	7	13		11	9	17	10	11	48		107	13
Tues 18/07/17	12	13	29		22	17	26	20	24	204		101	32
Wed 19/07/17	11	12	19		37	18	24	26	31	46		943	34
Thur 20/07/17	7	8	14		12	9	16	11	13	74		28	27
Fri 21/07/17	8	8	30		15	10	17	12	13	694		67	13
Sat 22/07/17	5	5	11		11	5	12	9	10	50		210	10
Sun 23/07/17	6	6	9		9	9	13	11	13	26		26	20
Mon 24/07/17	4	4	11		11	7	12	7	6	346		269	6
Tues 25/07/17	5	6	11		8	6	17	8	9	62		13	13
Wed 26/07/17	7	7	12		14	1	17	17	18	28		163	3
Thur 27/07/17	15	15	21		26	No data	25	22	23	59		182	No data
Fri 28/07/17	12	12	19		19	No data	20	26	20	111		107	No data
Sat 29/07/17	7	8	14		12	No data	17	11	13	93		24	No data
Sun 30/07/17	5	5	9		10	No data	12	8	9	35		164	No data
Mon 31/07/17	10	10	28		16	19	20	12	13	525		55	143
Tue 01/08/17	9	10	19		17	9	20	14	16	160		64	18
Wed 02/08/17	5	5	9		11	7	14	8	9	31		118	12
Thur 03/08/17	13	13	18		20	No data	20	25	19	51		71	No data
Fri 04/08/17	8	9	14		12	No data	16	16	14	96		109	No data
Sat 05/08/17	5	6	8		6	No data	14	10	10	22		17	No data
Sun 06/08/17	7	7	12		9	No data	14	9	10	32		24	No data
Mon 07/08/17	8	9	16		10	No data	18	17	13	53		45	No data
Tue 08/08/17	3	4	5		4	No data	16	5	8	17		12	No data
Wed 09/08/17	6	6	9		8	No data	14	14	14	38		22	No data
Thur 10/08/17	9	10	21		11	14	21	14	18	643		34	16
Fri 11/08/17	9	10	14		10	18	21	14	15	111		36	31
Sat 12/08/17	5	4	20		5	10	11	9	7	684		16	13

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	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>	London Mean PM <sub>10</sub> µg/m <sup>3</sup>	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>
Sun 13/08/17	7	8	14		7	14	15	19	13	55		14	20
Mon 14/08/17	7	8	24		11	16	21	24	13	173		130	23
Tues 15/08/17	7	8	18		8	17	21	15	14	471		34	28
Wed 16/08/17	7	8	19		10	15	20	13	13	135		157	22
Thur 17/08/17	6	7			9	13	17	15	17	22	19	93	18
Fri 18/08/17	8	10		12	11	15	16	18	21		24	40	16
Sat 19/08/17	8	10		12	10	12	14	10	12		15	16	13
Sun 20/08/17	8	9		13	10	14	14	11	14		40	57	15
Mon 21/08/17	4	5		5	6	8	14	7	8		10	119	14
Tues 22/08/17	8	9		10	10	7	24	16	15		16	149	13
Wed 23/08/17	11	12		13	11	5	31	20	21		25	53	9
Thu 24/08/17	7	9		9	9	5	18	11	13		15	45	7
Fri 25/08/17	9	11		12	11	12	23	18	21		22	21	28
Sat 26/08/17	10	11		12	10	24	24	18	21		22	21	36
Sun 27/08/17	8	9		9	9	23	21	22	17		18	44	44
Mon 28/08/17	10	12		12	11	37	35	18	19		27	41	58
Tue 29/08/17	9	10		11	11	25	28	16	19		21	131	35
Wed 30/08/17	9	12		12	15	16	20	14	18		32	100	21
Thur 31/08/17	7	8		9	9	18	20	14	15		17	46	22
Fri 01/09/17	7	8		9	8	17	19	13	13		15	19	22
Sat 02/09/17	6	7		8	6	18	18	8	10		19	10	22
Sun 03/09/17	5	6		7	7	16	15	8	10		24	92	27
Mon 04/09/17	3	4		4	10	13	14	5	6		22	401	18
Tues 05/09/17	4	4		5	6	11	13	7	8		6	75	16
Wed 06/09/17	17	21		21	19	18	28	29	33		35	36	30
Thur 07/09/17	17	21		23	20	18	28	29	34		42	37	28
Fri 08/09/17	4	5		5	6	5	12	8	9		11	14	14

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	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>	London Mean PM <sub>10</sub> µg/m <sup>3</sup>	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>
Sat 09/09/17	5	6		7	16	8	13	8	11		10	635	13
Sun 10/09/17	6	7		7	7	7	12	13	13		20	19	13
Mon 11/09/17	10	12		13	15	8	15	18	21		22	143	10
Tues 12/09/17	7	9		10	9	7	14	12	16		17	22	11
Wed 13/09/17	7	8		8	9	7	15	15	16		17	65	14
Thur 14/09/17	5	6		6	6	6	12	9	11		11	28	10
Fri 15/09/17	6	7		8	7	8	15	12	13		14	18	15
Sat 16/09/17	5	6		6	6	10	15	10	12		27	12	21
Sun 17/09/17	5	6		6	6	8	12	11	13		14	13	16
Mon 18/09/17	8	9		10	9	11	17	13	16		17	18	12
Tue 19/09/17	6	7		8	7	12	21	10	11		12	26	18
Wed 20/09/17	8	8		10	11	No data	24	10	12		16	94	No data
Thu 21/09/17	7	8		10	10	11	19	10	12		17	50	14
Fri 22/09/17	8	9		10	10	11	18	16	19		19	89	23
Sat 23/09/17	6	7		9	8	10	16	12	14		30	53	25
Sun 24/09/17	8	9		11	8	32	24	16	17		31	26	32
Mon 25/09/17	13	14		16	13	36	39	21	21		25	91	47
Tue 26/09/17	16	16		18	16	33	43	30	28		29	209	37
Wed 27/09/17	22	21		23	16	45	54	46	47		50	43	66
Thu 28/09/17	6	7		8	8	10	18	11	13		8	23	38
Fri 29/09/17	13	15		No data	13	13	22	22	27		No data	24	22
Sat 30/09/17	12	15		No data	13	12	19	20	25		No data	35	20
Sun 01/10/17	3	4		No data	5	4	8	8	9		No data	46	9
Mon 02/10/17	20	24		No data	22	13	25	36	41		No data	36	18
Tue 03/10/17	12	15		17	13	13	22	20	23		25	19	25
Wed 04/10/17	11	15		16	13	13	23	16	25		25	23	14
Thu 05/10/17	8	9		11	9	8	15	14	16		16	16	12
Fri 06/10/17	9	11		12	9	9	18	18	20		25	15	11

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	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>	London Mean PM <sub>10</sub> µg/m <sup>3</sup>	Academy PM <sub>10</sub> µg/m <sup>3</sup>	Leisure Centre PM <sub>10</sub> µg/m <sup>3</sup>	Blechynden St PM <sub>10</sub> µg/m <sup>3</sup>	Station Wk/ TMO office PM <sub>10</sub> µg/m <sup>3</sup>	Grenfell Rd PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>
Sat 07/10/17	6	7		9	6	10	12	12	14		22	12	12
Sun 08/10/17	6	6		7	6	6	14	22	20		27	19	10
Mon 09/10/17	9	9		11	9	13	20	21	17		31	71	27
Tue 10/10/17	6	6		8	6	8	14	10	11		13	14	13
Wed 11/10/17	7	8		11	9	8	16	13	20		21	36	14
Thu 12/10/17	17	21		22	17	15	26	23	29		36	23	22
Fri 13/10/17	11	12		13	10	13	18	24	29		28	22	21
Sat 14/10/17	11	13		14	11	15	22	19	18		19	32	24
Sun 15/10/17	13	16		17	13	25	34	19	23		24	40	39
Mon 16/10/17	22	26		30	22	39	39	30	39		50	67	39
Tue 17/10/17	22	25		35	21	20	35	30	30		511	72	30
Wed 18/10/17	34	41		45	31	26	49	95	109		126	74	39
Thu 19/10/17	13	15		20	14	23	34	30	33		57	92	45
Fri 20/10/17	10	12		14	12	10	18	17	22		22	32	19
Sat 21/10/17	15	18		21	18	13	19	28	31		37	41	22
Sun 22/10/17	7	9		10	8	7	11	12	15		17	18	13
Mon 23/10/17	8	9		13	10	9	17	12	13		46	156	15
Tue 24/10/17	6	7		16	7	8	14	11	14		98	24	15
Wed 25/10/17	10	12		15	11	9	24	18	22		31	32	13
Thu 26/10/17	10	11		13	9	17	25	30	26		28	21	27
Fri 27/10/17	11	13		14	11	16	22	18	22		23	17	34
Sat 28/10/17	8	9		10	8	14	17	13	17		18	17	26
Sun 29/10/17	8	11		11	10	10	14	17	22		23	19	16
Mon 30/10/17	15	18		19	15	12	26	26	29		33	29	18
Tue 31/10/17	17	20		22	16	20	29	45	85		53	69	32
Wed 01/11/17	15	18		20	14	21	33	24	28		43	23	39
Thu 02/11/17	20	23		26	18	37	45	31	33		66	27	54
Fri 03/11/17	20	22		23	18	47	47	54	55		45	34	179

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Sat 04/11/17	9	11		11	8	24	27	23	25		25	18	51
Sun 05/11/17	8	9		10	9	21	24	18	22		24	40	54
Mon 06/11/17	12	13		16	13	29	32	20	22		92	77	50
Tue 07/11/17	8	9		10	9	12	16	13	15		18	38	18
Wed 08/11/17	8	11		12	10	13	21	15	18		23	16	26
Thu 09/11/17	13	15		16	13	19	30	19	22		24	22	25
Fri 10/11/17	12	13		16	12	13	20	16	18		27	18	21
Sat 11/11/17	7	7		9	7	13	17	18	17		26	16	30
Sun 12/11/17	4	5		6	5	10	11	11	11		12	9	28
Mon 13/11/17	8	9		11	9	10	18	14	16		18	16	21
Tues 14/11/17	12	13		15	12	15	20	20	20		24	32	20
Wed 15/11/17	8	9		10	8	18	26	13	13		17	14	29
Thu 16/11/17	10	11		13	11	6	27	15	16		19	109	29
Fri 17/11/17	19	21		23	19	17	37	47	52		55	57	23
Sat 18/11/17	11	11		13	10	20	22	19	19		25	19	24
Sun 19/11/17	10	11		13	10	14	23	16	19		20	15	16
Mon 20/11/17	8	8		10	9	13	18	10	10		14	96	16
Tue 21/11/17	14	14		19	14	15	26	25	19		51	25	20
Wed 22/11/17	15	16		23	16	18	29	19	20		42	23	23
Thu 23/11/17	13	13		17	13	15	20	27	25		31	29	19
Fri 24/11/17	17	19		21	17	24	31	41	43		48	38	59
Sat 25/11/17	11	12		13	11	24	23	30	33		35	28	72
Sun 26/11/17	8	9		10	8	11	15	12	13		15	13	24
Mon 27/11/17	6	7		8	9	8	12	12	14		16	102	12
Tue 28/11/17	8	9		10	8	12	17	12	14		17	12	18
Wed 29/11/17	7	8		9	8	12	17	23	15		22	17	27
Thu 30/11/17	6	6		8	7	13	18	19	11		14	17	13
Fri 01/12/17	7	8		9	9	10	14	18	14		15	60	17

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Sat 02/12/17	12	13		15	11	23	28	19	21		27	29	48
Sun 03/12/17	7	7		8	6	14	18	15	16		18	15	22
Mon 04/12/17	13	15		17	15	19	24	22	26		28	199	44
Tue 05/12/17	6	7		8	6	14	20	13	16		20	20	18
Wed 06/12/17	8	8		8	8	11	17	18	16		22	22	18
Thu 07/12/17	10	11		13	11	12	20	22	22		29	35	22
Fri 08/12/17	6	7		9	7	8	15	11	13		14	14	12
Sat 09/12/17	9	10		12	10	15	25	16	18		21	21	31
Sun 10/12/17	4	4		5	4	10	16	13	13		14	11	25
Mon 11/12/17	4	4		5	5	10	12	10	8		9	10	16
Tues 12/12/17	7	7		9	7	21	26	10	15		47	35	30
Wed 13/12/17	9	9		11	9	9	15	18	19		21	19	14
Thu 14/12/17	10	10		12	11	9	17	14	16		19	90	10
Fri 15/12/17	9	9		10	8	10	13	42	112		99	41	15
Sat 16/12/17	13	9		10	10	13	17	20	13		16	17	22
Sun 17/12/17	9	7		8	7	17	19	15	10		12	13	24
Mon 18/12/17	29	21		22	22	23	34	56	32		35	35	53
Tue 19/12/17	27	21		23	21	36	39	40	31		33	30	49
Wed 20/12/17	17	12		14	12	24	27	51	36		39	36	37
Thu 21/12/17	10	8		9	8	21	24	15	11		13	109	24
Fri 22/12/17	9	6		8	7	12	20	19	12		16	11	18
Sat 23/12/17	3	2		3	2	7	11	4	3		5	3	11
Sun 24/12/17	3	2		2	2	5	8	4	3		4	4	9
Mon 25/12/17	9	8		9	8	11	13	14	12		14	18	20
Tue 26/12/17	7	6		7	7	6	9	1	13		21	34	14
Wed 27/12/17	7	5		6	6	6	8	19	15		15	15	10
Thu 28/12/17	9	7		8	7	11	17	15	12		16	13	30
Fri 29/12/17	11	9		11	9	12	14	26	20		22	21	22
Sat 30/12/17	32	26		30	28	14	24	55	44		50	46	20

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Sun 31/12/17	14	12		14	13	16	12	28	24		28	28	20
Mon 01/01/18	13	10		12	11	9	13	31	26		28	27	10
Tue 02/01/18	24	20		23	23	14	19	71	55		74	71	37
Wed 03/01/18	31	25		30	27	17	29	54	43		50	47	29
Thu 04/01/18	17	13		16	14	12	19	49	40		43	43	25
Fri 05/01/18	14	10		13	11	10	18	34	29		32	33	29
Sat 06/01/18	12	10		11	11	18	21	22	16		18	17	30
Sun 07/01/18	11	10		11	12	11	15	15	14		15	17	19
Mon 08/01/18	11	11		11	11	17	21	24	18		22	23	24
Tue 09/01/18	18	14		16	13	29	33	28	27		24	32	38
Wed 10/01/18	18	14		16	14	19	28	35	25		30	30	45
Thu 11/01/18	18	13		16	13	27	29	31	23		27	23	40
Fri 12/01/18	13	10		12	9	25	29	22	16		23	15	28
Sat 13/01/18	12	10		11	8	22	26	20	15		17	15	23
Sun 14/01/18	11	9		11	9	25	28	13	11		14	18	26
Mon 15/01/18	7	6		7	8	8	12	16	13		15	195	26
Tue 16/01/18	10	9		10	9	No data	15	19	15		18	16	No data
Wed 17/01/18	44	13		47	14	No data	20	2009	83		1953	31	No data
Thur 18/01/18	10	8		10	9	No data	15	39	35		39	64	No data
Fri 19/01/18	14	11		13	12	No data	18	24	16		19	26	No data
Sat 20/01/18	8	6		7	7	No data	12	15	12		12	12	No data
Sun 21/01/18	6	5		6	5	No data	16	12	9		11	9	No data
Mon 22/01/18	18	15		17	14	15	19	30	24		29	27	25
Tue 23/01/18	9	7		9	8	7	11	25	20		23	23	16
Wed 24/01/18	10	8		10	9	7	12	30	25		28	27	17
Thu 25/01/18	21	17		21	20	12	22	33	26		30	62	32
Fri 26/01/18	16	12		14	12	16	25	26	20		21	19	29
Sat 27/01/18	9	7		8	7	15	17	21	17		18	16	31
Sun 28/01/18	7	5		6	6	5	9	16	14		14	15	13

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Mon 29/01/18	9	7		8	9	6	13	19	13		16	172	14
Tue 30/01/18	15	12		14	12	13	28	27	21		25	34	18
Wed 31/01/18	9	7		8	7	7	15	27	23		26	25	17
Thu 01/02/18	13	10		12	11	9	17	19	15		17	16	10
Fri 02/02/18	16	13		14	13	11	21	28	18		20	17	13
Sat 03/02/18	9	8		8	7	16	17	24	19		20	17	17
Sun 04/02/18	7	7		7	7	9	12	11	10		10	10	14
Mon 05/02/18	9	8		8	10	12	18	13	11		11	26	20
Tue 06/02/18	10	8		9	9	19	26	18	12		14	47	30
Wed 07/02/18	13	10		11	10	17	32	26	17		21	16	31
Thu 08/02/18	13	10		13	11	16	31	24	18		24	75	30
Fri 09/02/18	10	8		10	8	9	15	16	13		21	14	14
Sat 10/02/18	8	7		8	7	8	14	14	13		17	14	12
Sun 11/02/18	6	5		6	6	5	10	13	12		12	14	8
Mon 12/02/18	12	9		11	15	10	20	19	14		22	462	22
Tue 13/02/18	7	7		8	7	8	12	11	12		25	17	22
Wed 14/02/18	11	10		11	10	15	17	32	26		28	35	24
Thu 15/02/18	19	15		16	16	12	23	43	33		37	107	17
Fri 16/02/18	18	15		16	14	14	28	25	20		24	20	20
Sat 17/02/18	23	19		20	17	16	32	30	27		28	23	23
Sun 18/02/18	16	13		14	12	13	25	24	20		20	17	21
Mon 19/02/18	13	10		12	10	16	21	27	24		24	22	25
Tue 20/02/18	8	6		7	7	11	13	25	19		22	19	27
Wed 21/02/18	20	17		19	15	37	52	30	26		30	25	58
Thu 22/02/18	12	11		11	10	27	37	16	16		15	15	47
Fri 23/02/18	11	11		11	10	25	32	15	27		13	16	33
Sat 24/02/18	14	13		13	13	29	34	21	20		19	18	36
Sun 25/02/18	9	9		9	9	15	20	14	14		14	14	24
Mon 26/02/18	7	7		6	8	11	20	14	10		10	12	14



Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Tue 27/02/18	7	7		7	7	12	23	16	11		12	13	20
Wed 28/02/18	6	7		6	7	12	29	11	16		11	12	14
Thu 01/03/18	10	19		16	18	32	45	20	27		25	31	41
Fri 02/03/18	17	20		18	20	42	45	28	30		28	30	45
Sat 03/03/18	41	41		41	35	59	66	64	71		66	62	68
Sun 04/03/18	13	13		13	12	46	24	28	26		27	26	68
Mon 05/03/18	14	14		14	14	14	21	29	28		27	97	19
Tue 06/03/18	7	6		8	6	9	21	20	21		20	14	22
Wed 07/03/18	12	10		11	9	14	27	21	18		18	16	23
Thu 08/03/18	10	9		11	9	7	17	17	17		32	18	14
Fri 09/03/18	15	13		14	13	15	24	28	25		26	37	22
Sat 10/03/18	20	19		19	20	15	24	56	53		48	68	33
Sun 11/03/18	29	27		27	23	21	26	58	52		50	43	33
Mon 12/03/18	8	7		8	9	10	14	17	14		15	84	20
Tue 13/03/18	10	8		9	8	11	25	21	18		20	2	21
Wed 14/03/18	11	11		12	10	11	23	21	18		18	16	23
Thu 15/03/18	8	8		8	7	11	19	17	17		32	18	14
Fri 16/03/18	19	17		20	21	8	25	28	25		26	37	22
Sat 17/03/18	9	10		9	14	13	20	56	53		48	68	33
Sun 18/03/18	13	15		12	20	17	29	58	52		50	43	33
Mon 19/03/18	11	12		10	17	28	26	17	14		15	84	20
Tue 20/03/18	15	15		15	19	19	23	21	20		21	26	23
Wed 21/03/18	16	15		18	18	14	35	51	25		56	29	30
Thu 22/03/18	16	15		18	18	18	26	27	23		32	35	21
Fri 23/03/18	15	16		18	19	15	25	33	41		38	83	22
Sat 24/03/18	10	11		12	11	13	32	17	20		32	20	34
Sun 25/03/18	15	16		17	16	24	43	28	30		31	30	44
Mon 26/03/18	11	10		14	16	12	28	21	20		67	185	20
Tue 27/03/18	6	6		7	8	7	18	21	21		22	25	11

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	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Wed 28/03/18	8	8		10	10	7	15	18	18		36	46	12
Thu 29/03/18	8	8		9	10	9	18	12	14		18	18	16
Fri 30/03/18	7	7		7	8	8	13	13	13		13	16	13
Sat 31/03/18	2	2		2	2	6	11	5	5		6	12	11
Sun 01/04/18	4	4		4	4	10	15	5	5		6	6	15
Mon 02/04/18	6	7		7	8	8	13	11	16		11	14	11
Tue 03/04/18	11	11		12	13	8	16	20	20		22	22	14
Wed 04/04/18	12	13		14	14	9	17	19	22		26	27	19
Thu 05/04/18	4	4		4	5	6	13	8	5		12	11	12
Fri 06/04/18	9	8		10	12	14	23	17	13		18	18	21
Sat 07/04/18	17	13		19	19	21	30	31	22		32	31	28
Sun 08/04/18	9	7		8	9	15	21	18	13		16	16	22
Mon 09/04/18	13	10		10	11	19	26	39	29		28	28	29
Tue 10/04/18	15	11		14	15	24	33	31	23		30	31	43
Wed 11/04/18	22	17		17	19	36	57	44	35		36	36	46
Thu 12/04/18	19	15		14	17	32	46	42	34		35	35	58
Fri 13/04/18	11	9		11	11	20	31	16	12		16	18	32
Sat 14/04/18	20	15		17	17	31	41	42	31		30	31	57
Sun 15/04/18	18	13		14	15	24	38	43	30		31	32	62
Mon 16/04/18	20	14		19	25	14	27	26	21		24	209	18
Tue 17/04/18	13	9		15	17	13	24	21	12		26	98	23
Wed 18/04/18	15	10		16	19	15	31	31	21		31	133	31
Thu 19/04/18	22	15		38	25	31	51	45	33		773	50	69
Fri 20/04/18	17	12		17	21	26	38	34	24		28	37	56
Sat 21/04/18	22	15		16	24	37	47	39	28		39	47	48
Sun 22/04/18	21	15		19	24	24	34	51	36		53	64	58
Mon 23/04/18	9	6		5	14	8	16	15	10		16	206	10
Tue 24/04/18	10	7		6	14	9	16	45	14		20	128	15
Wed 25/04/18	8	6		4	13	7	19	15	10		11	264	11

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Thu 26/04/18	13	9		5	16	10	22	17	13		10	40	14
Fri 27/04/18	13	10		6	15	12	19	20	15		111	43	19
Sat 28/04/18	5	3		1	6	7	14	10	8		4	13	19
Sun 29/04/18	7	5		2	11	7	12	11	8		3	15	9
Mon 30/04/18	11	8		4	17	10	16	15	10		5	33	14
Tue 01/05/18	8	5		3	10	9	18	13	8		7	34	14
Wed 02/05/18	6	4		2	8	6	14	13	9		4	59	13
Thu 03/05/18	14	10		7	15	12	24	22	15		21	27	21
Fri 04/05/18	19	13		11	21	15	27	29	19		50	36	21
Sat 05/05/18	18	13		8	19	22	31	28	20		13	33	32
Sun 06/05/18	18	12		8	18	28	39	33	24		16	27	39
Mon 07/05/18	21	16		8	21	31	43	36	26		16	29	51
Tue 08/05/18	19	15		9	25	29	41	31	24		26	253	58
Wed 09/05/18	19	15		8	24	15	19	28	24		17	36	28
Thu 10/05/18	12	10		5	18	10	18	16	18		11	171	15
Fri 11/05/18	16	12		6	18	13	15	22	16		16	31	17
Sat 12/05/18	11	8		4	12	11	17	24	14		20	23	15
Sun 13/05/18	11	8		4	12	14	22	23	16		8	21	29
Mon 14/05/18	9	6		3	12	15	25	19	12		5	27	24
Tue 15/05/18	8	5		3	10	16	26	13	8		10	18	49
Wed 16/05/18	16	11		6	22	18	28	35	21		12	51	31
Thu 17/05/18	18	13		7	22	16	27	23	17		9	32	27
Fri 18/05/18	15	10		6	19	14	24	30	19		10	33	26
Sat 19/05/18	21	14		7	22	20	28	46	34		14	49	38
Sun 20/05/18	16	11		5	16	22	28	27	18		8	27	36
Mon 21/05/18	17	12		5	20	29	38	27	19		23	61	44
Tue 22/05/18	15	11		6	22	22	31	20	15		10	38	26
Wed 23/05/18	18	13		6	23	23	35	33	16		9	58	28
Thu 24/05/18	21	15		8	24	27	42	28	20		14	42	37

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Fri 25/05/18	10	7		3	12	22	34	22	17		6	96	46
Sat 26/05/18	17	13		4	18	35	44	36	30		10	45	50
Sun 27/05/18	15	11		8	20	24	37	23	17		19	32	39
Mon 28/05/18	18	13		7	23	32	38	30	22		13	51	61
Tue 29/05/18	7	6		2	11	20	28	13	12		3	26	27
Wed 30/05/18	11	8		3	14	21	32	27	22		8	26	35
Thu 31/05/18	29	24		5	27	33	45	61	47		9	45	55
Fri 01/06/18	16	14		No data	15	21	29	55	39		No data	32	51
Sat 02/06/18	6	5		No data	8	9	16	12	11		No data	23	20
Sun 03/06/18	6	5		No data	8	8	17	9	8		No data	14	17
Mon 04/06/18	9	8		2	11	15	21	19	17		4	25	24
Tues 05/06/18	11	10		4	17	14	21	22	19		9	34	27
Wed 06/06/18	23	19		9	28	19	32	37	24		12	47	26
Thu 07/06/18	16	13		6	20	15	28	29	26		12	49	23
Fri 08/06/18	16	14		6	20	15	24	26	21		10	32	19
Sat 09/06/18	13	10		5	16	16	23	18	15		7	29	21
Sun 10/06/18	12	10		4	14	16	20	22	19		8	25	20
Mon 11/06/18	9	7		3	13	10	18	17	12		5	52	17
Tue 12/06/18	8	6		3	12	12	18	12	12		4	39	18
Wed 13/06/18	8	6		7	14	9	22	26	8		22	154	15
Thu 14/06/18	12	9		13	14	15	25	24	23		25	43	53
Fri 15/06/18	17	13		17	19	14	26	27	21		26	93	46
Sat 16/06/18	9	7		10	11	8	22	15	11		16	20	13
Sun 17/06/18	9	7		9	10	8	23	15	11		19	21	12
Mon 18/06/18	10	8		11	13	9	22	23	19		46	33	15
Tue 19/06/18	6	4		5	8	5	33	26	7		10	32	8
Wed 20/06/18	7	5		8	13	7	17	12	13		14	396	13
Thu 21/06/18	11	8		11	17	9	18	22	12		20	36	12
Fri 22/06/18	13	10		14	20	11	19	22	18		22	50	20

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Sat 23/06/18	13	10		13	19	10	19	24	19		24	35	16
Sun 24/06/18	10	8		10	16	11	20	17	12		14	30	14
Mon 25/06/18	12	9		13	15	13	24	26	19		27	20	22
Tue 26/06/18	13	11		14	20	22	23	23	16		19	27	68
Wed 27/06/18	14	11		15	24	19	25	27	18		23	39	23
Thu 28/06/18	14	12		16	26	18	28	26	25		24	67	34
Fri 29/06/18	11	10		14	23	15	22	18	15		20	86	20
Sat 30/06/18	13	11		15	25	13	21	22	17		23	169	18
Sun 01/07/18	15	12		16	27	16	24	26	15		20	35	21
Mon 02/07/18	12	9		13	21	15	23	38	13		25	31	21
Tue 03/07/18	9	9		13	19	12	20	12	12		21	33	17
Wed 04/07/18	18	12		17	30	17	27	33	21		26	54	23
Thu 05/07/18	19	13		16	26	22	35	127	18		26	46	34
Fri 06/07/18	15	11		15	26	21	31	28	19		25	90	30
Sat 07/07/18	16	13		16	25	25	33	32	25		30	52	46
Sun 08/07/18	11	9		11	17	14	21	20	16		20	29	21
Mon 09/07/18	12	9		12	19	14	23	28	19		26	53	10
Tue 10/07/18	11	8		11	19	10	16	19	14		17	45	13
Wed 11/07/18	11	8		11	18	12	22	16	12		17	28	15
Thu 12/07/18	16	12		15	23	18	27	26	21		29	37	45
Fri 13/07/18	16	13		15	26	18	24	40	37		47	129	30
Sat 14/07/18	12	10		11	14	14	21	16	14		23	22	19
Sun 15/07/18	6	7		8	8	11	18	17	11		12	23	16
Mon 16/07/18	9	8		9	11	13	21	18	14		20	22	25
Tue 17/07/18	8	8		11	13	10	18	18	16		34	70	20
Wed 18/07/18	7	8		9	11	9	25	10	11		14	24	15
Thu 19/07/18	10	10		11	13	13	24	22	16		20	21	20
Fri 20/07/18	9	9		10	No data	13	16	16	26		18	No data	20
Sat 21/07/18	9	10		12	16	17	17	21	20		79	33	30

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>	London Mean PM10 µg/m <sup>3</sup>	Academy PM10 µg/m <sup>3</sup>	Leisure Centre PM10 µg/m <sup>3</sup>	Blechynden St PM10 µg/m <sup>3</sup>	Station Wk/ TMO office PM10 µg/m <sup>3</sup>	Grenfell Rd PM10 µg/m <sup>3</sup>	North Kensington PM10 µg/m <sup>3</sup>
Sun 22/07/18	7	7		8	10	12	12	11	12		20	34	23
Mon 23/07/18	8	8		10	12	11	12	17	16		22	25	15
Tue 24/07/18	9	9		11	13	12	12	13	19		19	21	17
Wed 25/07/18	9	9		10	12	13	26	20	21		21	25	25
Thu 26/07/18	15	16		16	18	32	38	36	32		32	40	60
Fri 27/07/18	12	12		13	17	18	28	37	28		28	79	26
Sat 28/07/18	13	13		21	29	11	20	25	26		26	106	16
Sun 29/07/18	8	8		12	11	6	11	15	14		14	35	10
Mon 30/07/18	8	8		12	11	6	13	12	15		15	38	10
Tue 31/07/18	9	10		14	12	7	16	15	18		18	23	9
Wed 01/08/18	10	11		13	8	8	19	17	20		20	14	17
Thu 02/08/18	10	12		14	9	8	21	15	17		43	28	13
Fri 03/08/18	9	11		12	9	11	21	16	17		35	21	17
Sat 04/08/18	7	8		9	7	9	14	16	20		28	18	17
Sun 05/08/18	11	9		14	8	10	15	20	58		26	16	17
Mon 06/08/18	11	8		15	9	12	23	20	18		36	19	20
Tue 07/08/18	No data	8		14	9	14	24	No data	15		28	19	20
Wed 08/08/18	No data	6		13	7	8	17	No data	8		26	14	12
Thu 09/08/18	No data	8		15	8	8	18	No data	14		36	18	12
Fri 10/08/18	No data	5		12	6	6	13	No data	11		31	11	10
Sat 11/08/18	No data	5		11	5	6	13	No data	9		16	8	10
Sun 12/08/18	No data	5		10	5	6	11	No data	7		72	12	8
Mon 13/08/18	No data	6		19	7	8	15	No data	10		233	13	10
Tue 14/08/18	No data	6		15	7	8	15	No data	13		52	24	14
Wed 15/08/18	10	8		19	9	9	18	79	12		393	27	13
Thu 16/08/18	10	9		11	10	8	17	24	17		40	24	14
Fri 17/08/18	10	8		12	10	9	17	23	15		22	17	15
Sat 18/08/18	10	8		12	9	9	16	16	14		31	14	15
Sun 19/08/18	8	6		9	8	8	13	19	13		17	13	17

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Mon 20/08/18	6	5		7	No data*	7	16	14	13		16	No data*	11
Tue 21/08/18	4	4		6	No data*	6	15	12	7		43	No data*	9
Wed 22/08/18	6	5		8	No data*	10	18	11	14		17	No data*	20
Thu 23/08/18	5	5		7	No data*	7	15	9	8		15	No data*	13
Fri 24/08/18	8	8		10	No data*	8	14	22	34		20	No data*	11
Sat 25/08/18	6	5		7	No data*	6	13	20	14		22	No data*	18
Sun 26/08/18	6	5		7	No data*	7	11	15	11		12	No data*	18
Mon 27/08/18	7	5		8	No data*	7	10	14	12		27	No data*	11
Tue 28/08/18	6	5		7	No data*	7	15	10	9		29	No data*	11
Wed 29/08/18	9	8		10	No data*	10	17	14	12		17	No data*	14
Thu 30/08/18	11	10		13	No data*	10	21	17	14		30	No data*	13
Fri 31/08/18	12	12		14	No data*	12	22	21	16		19	No data*	17
Sat 01/09/18	11	11		13	No data*	13	22	19	18		24	No data*	21
Sun 02/09/18	10	10		12	No data*	15	24	18	16		21	No data*	31
Mon 03/09/18	12	10		14	No data*	18	28	19	18		23	No data*	27
Tue 04/09/18	9	9		11	No data*	19	21	13	14		15	No data*	35
Wed 05/09/18	9	8		10	No data*	20	22	13	13		15	No data*	111
Thu 06/09/18	10	9		12	No data*	13	23	19	17		48	No data*	24
Fri 07/09/18	7	7		9	No data*	8	15	11	11		20	No data*	23
Sat 08/09/18	6	6		7	No data*	7	13	10	10		13	No data*	10
Sun 09/09/18	7	6		8	No data*	6	13	18	11		20	No data*	10
Mon 10/09/18	11	11		13	No data*	10	16	19	19		24	No data*	15
Tue 11/09/18	8	8		10	No data*	9	15	14	13		23	No data*	15
Wed 12/09/18	6	6		8	No data*	6	14	19	17		27	No data*	18
Thu 13/09/18	12	11		14	No data*	11	23	22	20		25	No data*	22
Fri 14/09/18	8	7		10	No data*	7	16	17	15		27	No data*	12
Sat 15/09/18	10	10		12	No data*	9	18	17	16		25	No data*	14
Sun 16/09/18	9	9		10	No data*	8	16	11	13		32	No data*	11
Mon 17/09/18	7	7		9	No data*	9	19	9	10		15	No data*	13

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
Date	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Tue 18/09/18	13	11		16	No data*	14	21	27	21		32	No data*	23
Wed 19/09/18	16	15		20	No data*	15	25	31	23		40	No data*	35
Thu 20/09/18	16	16		19	No data*	14	25	22	22		28	No data*	22
Fri 21/09/18	10	7		14	No data*	7	13	30	13		48	No data*	11
Sat 22/09/18	10	8		11	No data*	8	14	17	13		30	No data*	14
Sun 23/09/18	5	4		6	No data*	5	9	9	7		14	No data*	8
Mon 24/09/18	10	7		13	No data*	8	18	29	20		48	No data*	21
Tue 25/09/18	13	9		17	No data*	13	26	29	23		126	No data*	25
Wed 26/09/18	10	7		14	No data*	11	27	17	12		24	No data*	18
Thu 27/09/18	12	9		16	No data*	13	29	32	23		35	No data*	22
Fri 28/09/18	10	8		13	No data*	10	16	17	14		56	No data*	14
Sat 29/09/18	14	11		18	No data*	14	23	27	19		34	No data*	30
Sun 30/09/18	10	8		13	No data*	12	17	17	14		21	No data*	23
Mon 01/10/18	9	7		12	No data*	9	15	18	12		22	No data*	16
Tue 02/10/18	8	6		10	No data*	9	16	21	14		26	No data*	14
Wed 03/10/18	8	6		10	No data*	9	19	18	16		26	No data*	23
Thu 04/10/18	10	8		No data	No data*	13	21	14	10		No data	No data*	17
Fri 05/10/18	15	11		18	No data*	21	30	28	24		29	No data*	30
Sat 06/10/18	9	7		10	No data*	11	15	28	24		36	No data*	31
Sun 07/10/18	8	6		10	No data*	7	13	13	15		16	No data*	14
Mon 08/10/18	7	5		9	No data*	8	15	11	9		16	No data*	13
Tue 09/10/18	9	7		13	No data*	10	20	15	19		47	No data*	25
Wed 10/10/18	20	14		25	No data*	37	45	34	23		45	No data*	59
Thu 11/10/18	10	8		13	No data*	12	23	17	43		20	No data*	33
Fri 12/11/18	11	9		15	No data*	10	20	15	12		31	No data*	12
Sat 13/11/18	8	7		12	No data*	9	18	11	9		18	No data*	13
Sun 14/11/18	5	3		5	No data*	4	9	12	9		17	No data*	11
Mon 15/11/18	7	5		9	No data*	8	17	18	11		21	No data*	20
Tue16/11/18	11	7		13	No data*	16	24	23	16		37	No data*	30



Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Wed 17/10/18	9	6		11	No data*	10	18	19	14		23	No data*	17
Thu 18/10/18	12	9		14	No data*	11	18	19	14		23	No data*	17
Fri 19/10/18	15	10		19	No data*	15	27	36	22		50	No data*	33
Sat 20/10/18	18	13		21	No data*	24	34	28	27		34	No data*	36
Sun 21/10/18	11	8		13	No data*	17	24	18	13		20	No data*	29
Mon 22/10/18	14	11		18	No data*	13	22	39	23		40	No data*	30
Tue 23/10/18	16	12		19	No data*	14	23	27	21		29	No data*	22
Wed 24/10/18	16	13		20	No data*	14	25	27	21		37	No data*	23
Thu 25/10/18	12	11		14	No data*	14	24	21	26		27	No data*	22
Fri 26/10/18	7	6		8	No data*	6	12	34	10		29	No data*	9
Sat 27/10/18	4	4		6	No data*	4	8	23	8		12	No data*	7
Sun 28/10/18	4	5		5	No data*	5	8	12	10		11	No data*	9
Mon 29/10/18	4	5		6	No data*	5	11	19	8		9	No data*	8
Tue 30/10/18	7	7		10	No data*	10	15	16	11		15	No data*	17
Wed 31/10/18	8	10		13	No data*	15	25	22	25		34	No data*	31
Thu 01/11/18	6	7		9	No data*	13	21	10	11		15	No data*	19
Fri 02/11/18	9	11		15	No data*	15	35	20	28		30	No data*	35
Sat 03/11/18	8	10		13	No data*	13	26	13	17		20	No data*	30
Sun 04/11/18	9	12		14	No data*	17	27	13	15		30	No data*	34
Mon 05/11/18	19	26		27	No data*	41	56	40	154		80	No data*	69
Tue 06/11/18	10	12		15	No data*	20	32	18	25		29	No data*	51
Wed 07/11/18	7	8		24	No data*	7	14	14	15		94	No data*	14
Thu 08/11/18	12	14		20	No data*	11	22	18	22		30	No data*	16
Fri 09/11/18	11	12		16	No data*	12	22	18	20		103	No data*	19
Sat 10/11/18	15	15		18	No data*	9	19	32	32		39	No data*	18
Sun 11/11/18	9	9		11	No data*	8	14	15	16		18	No data*	15
Mon 12/11/18	13	13		15	No data*	10	18	19	19		24	No data*	13
Tue 13/11/18	14	14		17	No data*	12	22	18	19		23	No data*	14
Wed 14/11/18	13	14		16	No data*	13	26	16	18		20	No data*	20

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Thur 15/11/18	12	14		15	No data*	22	34	17	22		45	No data*	26
Fri 16/11/18	8	9		10	No data*	15	23	13	15		16	No data*	21
Sat 17/11/18	12	13		16	No data*	22	31	19	21		26	No data*	35
Sun 18/11/18	12	15		17	No data*	19	25	18	21		24	No data*	27
Mon 19/11/18	7	8		9	No data*	9	14	26	16		18	No data*	18
Tue 20/11/18	6	6		8	No data*	12	17	11	11		16	No data*	24
Wed 21/11/18	6	7		9	No data*	22	30	19	17		25	No data*	40
Thu 22/11/18	18	19		25	No data*	46	57	39	47		59	No data*	65
Fri 23/11/18	20	21		29	No data*	38	41	42	42		165	No data*	51
Sat 24/11/18	13	14		17	No data*	27	30	17	19		22	No data*	35
Sun 25/11/18	12	13		16	No data*	19	22	16	17		22	No data*	26
Mon 26/11/18	9	10		10	No data*	13	19	14	16		15	No data*	16
Tue 27/11/18	11	10		13	No data*	18	20	20	18		25	No data*	26
Wed 28/11/18	12	9		14	No data*	7	16	25	21		26	No data*	13
Thu 29/11/18	11	9		13	No data*	8	17	28	18		26	No data*	14
Fri 30/11/18	16	12		17	No data*	12	19	24	15		33	No data*	15
Sat 01/12/18	8	6		9	No data*	6	14	17	20		22	No data*	11
Sun 02/12/18	4	3		5	No data*	3	8	9	8		11	No data*	8
Mon 03/12/18	18	13		19	No data*	10	18	37	24		35	No data*	19
Tue 04/12/18	10	8		12	No data*	12	27	16	12		21	No data*	19
Wed 05/12/18	7	6		9	No data*	8	17	14	12		21	No data*	13
Thu 06/12/18	8	6		9	No data*	7	15	21	16		22	No data*	12
Fri 07/12/18	9	6		10	No data*	6	11	25	15		24	No data*	12
Sat 08/12/18	17	12		18	No data*	11	18	37	26		40	No data*	20
Sun 09/12/18	10	7		11	No data*	7	10	24	16		25	No data*	13
Mon 10/12/18	12	9		14	No data*	11	22	20	15		20	No data*	16
Tues 11/12/18	19	15		22	No data*	20	40	35	27		46	No data*	29
Wed 12/12/18	11	9		13	No data*	16	28	20	16		23	No data*	25
Thu 13/12/18	10	8		13	No data*	19	28	19	16		23	No data*	24

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Fri 14/12/18	10	7		16	No data*	24	33	50	16		28	No data*	43
Sat 15/12/18	7	5		No data	No data*	18	21	27	16		26	No data*	28
Sun 16/12/18	13	9		24	No data*	10	14	19	14		107	No data*	17
Mon 17/12/18	15	11		17	No data*	11	18	25	19		31	No data*	17
Tues 18/12/18	11	9		16	No data*	10	16	23	18		26	No data*	15
Wed 19/12/18	9	6		10	No data*	6	12	22	13		23	No data*	11
Thu 20/12/18	12	8		13	No data*	9	18	17	11		21	No data*	14
Fri 21/12/18	19	13		21	No data*	14	22	38	25		41	No data*	23
Sat 22/12/18	17	12		18	No data*	12	20	26	16		25	No data*	17
Sun 23/12/18	7	5		8	No data*	6	12	23	15		22	No data*	15
Mon 24/12/18	8	5		11	No data*	14	27	18	9		21	No data*	23
Tue 25/12/18	10	6		11	No data*	17	26	15	9		22	No data*	29
Wed 26/12/18	6	4		6	No data*	13	23	13	8		11	No data*	20
Thu 27/12/18	13	10		16	No data*	34	47	22	17		27	No data*	54
Fri 28/12/18	12	9		14	No data*	28	32	19	13		20	No data*	53
Sat 29/12/18	10	8		11	No data*	13	17	21	17		22	No data*	26
Sun 30/12/18	5	4		6	No data*	10	13	15	7		13	No data*	19
Mon 31/12/18	5	4		5	No data*	6	12	13	11		14	No data*	12
Tue 01/01/19	11	10		12	No data*	10	14	19	17		28	No data*	21
Wed 02/01/19	19	12		16	No data*	13	19	74	15		20	No data*	14
Thu 03/01/19	9	9		12	No data*	12	20	14	14		18	No data*	24
Fri 04/01/19	12	11		15	No data*	23	34	17	16		24	No data*	38
Sat 05/01/19	10	9		12	No data*	25	26	16	15		20	No data*	37
Sun 06/01/19	13	15		16	No data*	19	29	22	25		25	No data*	29
Mon 07/01/19	13	14		16	No data*	15	24	23	24		27	No data*	24
Tue 08/01/19	18	18		23	No data*	15	26	30	26		34	No data*	24
Wed 09/01/19	12	11		16	No data*	13	20	21	21		40	No data*	18
Thu 10/01/19	15	14		19	No data*	27	40	28	22		40	No data*	43
Fri 11/01/19	10	10		13	No data*	18	26	16	15		20	No data*	24

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Sat 12/01/19	5	5		6	No data*	7	13	8	8		10	No data*	13
Sun 13/01/19	6	5		7	No data*	6	12	10	13		13	No data*	8
Mon 14/01/19	14	12		17	No data*	12	20	17	21		22	No data*	18
Tue 15/01/19	7	7		9	No data*	8	15	14	13		17	No data*	15
Wed 16/01/19	5	4		7	No data*	5	13	13	12		20	No data*	11
Thu 17/01/19	8	7		10	No data*	10	18	16	15		19	No data*	15
Fri 18/01/19	11	12		16	No data*	15	26	19	20		27	No data*	23
Sat 19/01/19	12	13		16	No data*	18	23	18	24		23	No data*	23
Sun 20/01/19	10	10		13	No data*	26	33	16	15		20	No data*	44
Mon 21/01/19	13	12		17	No data*	34	44	23	22		32	No data*	55
Tue 22/01/19	8	8		10	No data*	10	21	20	14		19	No data*	19
Wed 23/01/19	7	7		10	No data*	13	20	32	20		34	No data*	27
Thu 24/01/19	13	13		16	No data*	29	39	25	21		26	No data*	37
Fri 25/01/19	8	8		11	No data*	17	27	14	17		32	No data*	26
Sat 26/01/19	6	6		7	No data*	6	16	20	17		22	No data*	14
Sun 27/01/19	12	12		14	No data*	9	14	22	18		26	No data*	16
Mon 28/01/19	10	12		13	No data*	12	24	15	22		20	No data*	62
Tue 29/01/19	7	9		10	No data*	12	28	15	19		20	No data*	21
Wed 30/01/19	8	9		10	No data*	11	25	19	17		21	No data*	27
Thu 31/01/19	9	11		13	No data*	22	34	17	27		34	No data*	34
Fri 01/02/19	6	7		8	No data*	11	15	11	13		14	No data*	16
Sat 02/02/19	6	8		8	No data*	14	17	9	16		12	No data*	17
Sun 03/02/19	8	10		10	No data*	11	21	53	16		18	No data*	16
Mon 04/02/19	6	7		8	No data*	7	14	10	13		13	No data*	19
Tue 05/02/19	6	7		8	No data*	10	15	31	26		35	No data*	20
Wed 06/02/19	8	11		11	No data*	9	17	18	25		24	No data*	20
Thu 07/02/19	9	10		11	No data*	7	15	21	21		25	No data*	13
Frid 08/02/19	13	12		15	No data*	8	13	36	31		38	No data*	22
Sat 09/02/19	14	14		17	No data*	No data	16	25	23		27	No data*	11

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Sun 10/02/19	4	4		6	No data*	No data	8	9	11		39	No data*	No data
Mon 11/02/19	8	9		11	No data*	No data	19	22	28		20	No data*	14
Tue 12/02/19	11	14		15	No data*	12	23	19	27		31	No data*	18
Wed 13/02/19	14	18		17	No data*	No data	32	24	25		24	No data*	14
Thu 14/02/19	12	14		16	No data*	No data	49	20	22		33	No data*	27
Fri 15/02/19	13	15		18	No data*	30	54	17	23		35	No data*	42
Sat 16/02/19	16	19		20	No data*	30	40	29	37		33	No data*	40
Sun 17/02/19	20	26		24	No data*	26	36	37	50		43	No data*	33
Mon 18/02/19	16	19		19	No data*	13	24	29	45		32	No data*	21
Tues 19/02/19	16	18		18	No data*	12	25	27	24		25	No data*	15
Wed 20/02/19	12	16		15	No data*	12	26	17	23		25	No data*	16
Thu 21/02/19	14	19		16	No data*	12	26	18	26		22	No data*	24
Fri 22/02/19	15	18		19	No data*	16	34	26	35		32	No data*	60
Sat 23/02/19	14	14		18	No data*	No data	38	24	24		31	No data*	37
Sun 24/02/19	16	17		20	No data*	33	44	24	26		33	No data*	51
Mon 25/02/19	18	21		17	No data*	No data	53	28	39		33	No data*	51
Tue 26/02/19	28	31		21	No data*	45	60	42	57		30	No data*	69
Wed 27/02/19	29	29		21	No data*	53	63	44	47		38	No data*	75
Thu 28/02/19	20	19		16	No data*	30	40	41	33		56	No data*	60
Fri 01/03/19	17	18		13	No data*	23	40	24	28		21	No data*	30
Sat 02/03/19	16	17		12	No data*	11	22	38	34		26	No data*	17
Sun 03/03/19	13	12		9	No data*	7	15	31	29		23	No data*	16
Mon 04/03/19	9	9		6	No data*	7	14	26	25		17	No data*	15
Tue 05/03/19	9	11		8	No data*	7	17	16	20		13	No data*	11
Wed 06/03/19	13	15		11	No data*	37	19	18	20		14	No data*	324
Thu 07/03/19	8	8		6	No data*	5	13	13	14		11	No data*	7
Fri 08/03/19	11	12		8	No data*	8	16	19	25		16	No data*	15
Sat 09/03/19	22	25		16	No data*	16	23	40	40		26	No data*	24

\* On 20 August 2018, the Grenfell Road particulate matter monitor was temporarily removed from site due to planned works to the site cordon.

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Sun 10/03/19	8	8		6	No data*	6	10	30	24		18	No data*	17
Mon 11/03/19	13	14		9	No data*	10	18	20	25		15	No data*	16
Tue 12/03/19	10	10		7	No data*	8	14	27	22		17	No data*	14
Wed 13/03/19	18	17		13	No data*	13	16	28	23		20	No data*	17
Thu 14/03/19	13	13		10	No data*	9	16	23	29		18	No data*	17
Fri 15/03/19	6	5		5	No data*	4	12	21	16		14	No data*	11
Sat 16/03/19	11	10		9	No data*	8	16	27	26		21	No data*	20
Sun 17/03/19	5	5		4	No data*	4	9	8	15		7	No data*	6
Mon 18/03/19	11	12		9	No data*	11	22	22	24		16	No data*	24
Tue 19/03/19	11	11		8	No data*	14	25	26	17		12	No data*	18
Wed 20/03/19	7	7		6	No data*	10	21	16	18		17	No data*	16
Thu 21/03/19	7	8		6	No data*	14	23	15	16		15	No data*	28
Fri 22/03/19	6	6		5	No data*	15	20	9	44		9	No data*	23
Sat 23/03/19	15	16		18	No data*	18	27	29	27		33	No data*	24
Sun 24/03/19	19	18		22	No data*	16	25	49	44		57	No data*	30
Mon 25/03/19	16	14		19	No data*	14	23	26	22		30	No data*	39
Tue 26/03/19	22	20		26	No data*	22	36	33	29		39	No data*	29
Wed 27/03/19	14	13		18	No data*	19	30	33	31		45	No data*	39
Thu 28/03/19	18	16		23	No data*	30	37	31	27		37	No data*	36
Fri 29/03/19	20	16		23	No data*	34	32	48	30		39	No data*	70
Sat 30/03/19	28	20		30	No data*	50	43	48	34		49	No data*	74
Sun 31/03/19	23	19		26	No data*	29	21	84	55		85	No data*	91
Mon 01/04/19	22	22		27	No data*	20	10	31	36		38	No data*	27
Tue 02/04/19	19	15		22	No data*	22	17	48	36		63	No data*	60
Wed 03/04/19	8	6		9	No data*	13	20	23	18		25	No data*	28
Thu 04/04/19	6	6		9	No data*	9	18	10	10		16	No data*	13
Fri 05/04/19	9	7		11	No data*	14	23	19	14		21	No data*	36

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Sat 06/04/19	11	10		14	No data*	18	26	19	18		24	No data*	27
Sun 07/04/19	35	21		33	No data*	42	56	73	46		71	No data*	64
Mon 08/04/19	20	14		21	No data*	43	60	37	25		55	No data*	52
Tue 09/04/19	25	19		28	No data*	39	41	77	55		80	No data*	65
Wed 10/04/19	13	12		18	No data*	18	22	20	18		66	No data*	27
Thu 11/04/19	9	8		12	No data*	17	23	12	13		16	No data*	24
Fri 12/04/19	7	6		8	No data*	17	26	10	18		11	No data*	22
Sat 13/04/19	6	5		8	No data*	16	23	10	8		12	No data*	24
Sun 14/04/19	7	5		8	No data*	21	27	11	7		11	No data*	45
Mon 15/04/19	13	10		15	No data*	41	51	18	19		21	No data*	48
Tue 16/04/19	24	17		27	No data*	56	71	38	26		41	No data*	75
Wed 17/04/19	33	22		37	No data*	57	73	66	34		66	No data*	82
Thu 18/04/19	32	20		37	No data*	55	70	86	47		87	No data*	98
Fri 19/04/19	18	14		22	No data*	36	41	26	21		30	No data*	47
Sat 20/04/19	15	11		18	No data*	33	38	22	16		25	No data*	45
Sun 21/04/19	16	12		19	No data*	38	41	100	72		43	No data*	50
Mon 22/04/19	17	13		20	No data*	56	57	26	21		33	No data*	79
Tue 23/04/19	18	18		25	No data*	44	46	27	28		78	No data*	80
Wed 24/04/19	19	19		26	No data*	31	34	41	48		54	No data*	63
Thu 25/04/19	7	7		12	No data*	7	17	10	17		35	No data*	11
Fri 26/04/19	10	10		20	No data*	10	20	17	17		53	No data*	14
Sat 27/04/19	14	12		15	No data*	11	21	30	24		34	No data*	18
Sun 28/04/19	10	11		11	No data*	9	15	15	17		17	No data*	17
Mon 29/04/19	11	11		13	No data*	15	27	17	17		32	No data*	29
Tue 30/04/19	12	12		15	No data*	26	36	16	19		24	No data*	34
Wed 01/05/19	12	12		15	No data*	21	34	23	23		27	No data*	31
Thu 02/05/19	8	8		10	No data*	12	22	18	15		18	No data*	22
Fri 03/05/19	7	7		8	No data*	11	19	18	14		18	No data*	21
Sat 04/05/19	11	9		10	No data*	9	15	42	23		17	No data*	13

Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Sun 05/05/19	15	16		16	No data*	14	19	77	68		76	No data*	19
Mon 06/05/19	7	8		8	No data*	9	13	12	14		13	No data*	14
Tue 07/05/19	10	11		13	No data*	13	21	15	17		29	No data*	17
Wed 08/05/19	15	13		15	No data*	11	22	34	30		30	No data*	20
Thu 09/05/19	16	16		17	No data*	13	22	30	35		41	No data*	20
Fri 10/05/19	7	7		8	No data*	12	23	18	14		24	No data*	18
Sat 11/05/19	8	8		8	No data*	13	22	13	14		14	No data*	29
Sun 12/05/19	6	6		6	No data*	9	17	12	10		11	No data*	17
Mon 13/05/19	8	8		9	No data*	10	21	13	13		15	No data*	28
Tue 14/05/19	8	9		9	No data*	11	23	18	18		19	No data*	19
Wed 15/05/19	15	15		16	No data*	21	28	30	31		31	No data*	32
Thu 16/05/19	15	13		14	No data*	16	31	30	25		27	No data*	26
Fri 17/05/19	17	13		14	No data*	16	28	31	24		23	No data*	23
Sat 18/05/19	14	8		11	No data*	17	29	31	15		19	No data*	22
Sun 19/05/19	11	6		9	No data*	18	32	20	12		17	No data*	23
Mon 20/05/19	13	7		10	No data*	19	28	22	13		17	No data*	42
Tue 21/05/19	13	8		10	No data*	11	20	28	15		26	No data*	14
Wed 22/05/19	13	7		9	No data*	9	17	33	13		29	No data*	14
Thu 23/05/19	12	6		9	No data*	9	22	28	12		28	No data*	16
Fri 24/05/19	15	9		13	No data*	13	23	37	20		33	No data*	23
Sat 25/05/19	6	4		7	No data*	7	16	13	9		13	No data*	13
Sun 26/05/19	8	5		8	No data*	7	15	34	12		21	No data*	10
Mon 27/05/19	11	9		12	No data*	8	16	17	12		17	No data*	10
Tue 28/05/19	5	4		6	No data*	5	13	15	8		13	No data*	9
Wed 29/05/19	8	6		9	No data*	8	19	19	14		24	No data*	13
Thu 30/05/19	14	11		14	No data*	10	19	28	20		29	No data*	16
Fri 31/05/19	6	5		7	No data*	6	13	11	9		18	No data*	8
Sat 01/06/19	6	6		7	No data*	7	15	10	10		11	No data*	16
Sun 02/06/19	8	7		10	No data*	10	16	19	14		22	No data*	14



Environmental monitoring following the Grenfell Tower fire: Data update 27 June 2019

Date	24 hr Mean	24 hr Mean	24hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	24 hr Mean	15 minute Max	15 minute Max	15 minute Max	15 minute Max	15 minute Max	60 minute Max
	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3	London Mean PM10 µg/m3	Academy PM10 µg/m3	Leisure Centre PM10 µg/m3	Blechynden St PM10 µg/m3	Station Wk/ TMO office PM10 µg/m3	Grenfell Rd PM10 µg/m3	North Kensington PM10 µg/m3
Mon 03/06/19	16	13		18	No data*	12	19	67	22		41	No data*	16
Tue 04/06/19	11	11		15	No data*	14	20	20	11		28	No data*	24
Wed 05/06/19	6	5		12	No data*	8	15	9	7		28	No data*	11
Thu 06/06/19	6	6		9	No data*	8	15	8	8		39	No data*	10
Fri 07/06/19	7	7		10	No data*	11	17	13	13		23	No data*	21
Sat 08/06/19	4	4		7	No data*	7	13	9	9		12	No data*	15
Sun 09/06/19	7	7		10	No data*	7	13	11	11		13	No data*	10
Mon 10/06/19	4	4		6	No data*	6	12	8	8		11	No data*	9
Tue 11/06/19	3	3		6	No data*	7	12	10	8		11	No data*	14
Wed 12/06/19	3	3		No data	No data*	6	12	6	5		No data	No data*	16
Thu 13/06/19	4	4		No data	No data*	7	14	8	7		No data	No data*	14
Fri 14/06/19	6	6		No data	No data*	7	16	10	10		No data	No data*	9
Sat 15/06/19	6	6		No data	No data*	7	14	9	10		No data	No data*	8
Sun 16/06/19	6	5		No data	No data*	7	13	8	8		No data	No data*	10
Mon 17/06/19	6	6		10	No data*	8	17	9	9		21	No data*	11
Tue 18/06/19	7	7		11	No data*	11	22	13	11		19	No data*	18
Wed 19/06/19	9	9		16	No data*	15	26	16	13		28	No data*	20
Thu 20/06/19	6	6		10	No data*	8	16	16	9		15	No data*	12
Fri 21/06/19	7	7		11	No data*	8	15	12	12		21	No data*	11
Sat 22/06/19	6	6		10	No data*	8	15	8	10		14	No data*	12
Sun 23/06/19	11	11		19	No data*	21	29	16	16		28	No data*	31
Mon 24/06/19	11	10		20	No data*	25	30	19	18		39	No data*	42
Tue 25/06/19	9	7		12	No data*	19	24	54	9		16	No data*	24

\* On 20 August 2018, the Grenfell Road particulate matter monitor was temporarily removed from site due to planned works to the site cordon.

The table above shows the 24 hour average (and maximum 15 minute) levels of particulate matter (PM<sub>10</sub>) measured each day at the 4 monitoring sites close to Grenfell Tower. The table also presents levels measured at the **North Kensington London Air Quality Network** site (which reports readings as hourly rather than 15 minute averages) and the London Mean (produced by King’s College London based on monitoring data across the London Air Quality Network). We understand (from liaison with King’s College London) that between 6 July and 8 August 2017, mechanical issues at the North Kensington monitoring station have resulted in the PM<sub>10</sub> concentrations being under-reported. However, we are advised by King’s College London that the London Mean PM<sub>10</sub> data is typically very similar to the North Kensington levels so it would be suitable to use the mean level as an alternative.

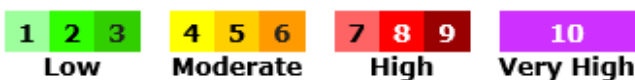
PHE note that the data contains some isolated short-lived “peaks” in particulate matter which occur over the fifteen minute averaging periods. For example, an elevated reading of 943 µg/m<sup>3</sup> was recorded at Grenfell Road on 19 July 2017; this coincided with drilling along Grenfell Road associated with the investigation of a potential gas leak and the release of particulate matter. These peaks are not uncommon, particularly in urban environments, and there are numerous potential sources that could contribute, including the start-up of engines for cars and generators, burning of fossil fuels and other minor combustion sources (eg cigarettes).

For instance, the Blechynden Road site, which was in close proximity to a car garage (see photo in Appendix 2), had more peaks than the other monitoring stations while we were monitoring at that location. The evidence for particulate matter causing adverse health impacts is generally focused on average exposure during a twenty four hour period or longer. Hence, given that these peaks are short-lived and have not significantly influenced the 24 hour average it is unlikely that they would represent an increased risk to public health.

The mean or average results for each day (24 hour average) have been compared against the UK’s **daily air quality index** (DAQI), and all the results are within the low air pollution band (1-3).

The DAQI is a measure of the levels of air pollution. The index is numbered from 1 to 10 and is divided into 4 bands, low (1) to very high (10), to provide detail about air pollution levels in a clear way.

### Index Bands



### PM<sub>10</sub> Particles

Based on the daily mean concentration for historical data, latest 24 hour running mean for the current day.

Index Band	1	2	3	4	5	6	7	8	9	10
µg/m <sup>3</sup>	0-16	17-33	34-50	51-58	59-66	67-75	76-83	84-91	92-100	101 or more

Figures 1-105 below, covering the first 105 weeks of particulate matter monitoring show that the 24 hour average levels of particulate matter (PM<sub>10</sub>) have all been below the UK national air quality objective for PM<sub>10</sub> of 50 µg/m<sup>3</sup> which aims to protect health and the environment.

Figure 1f

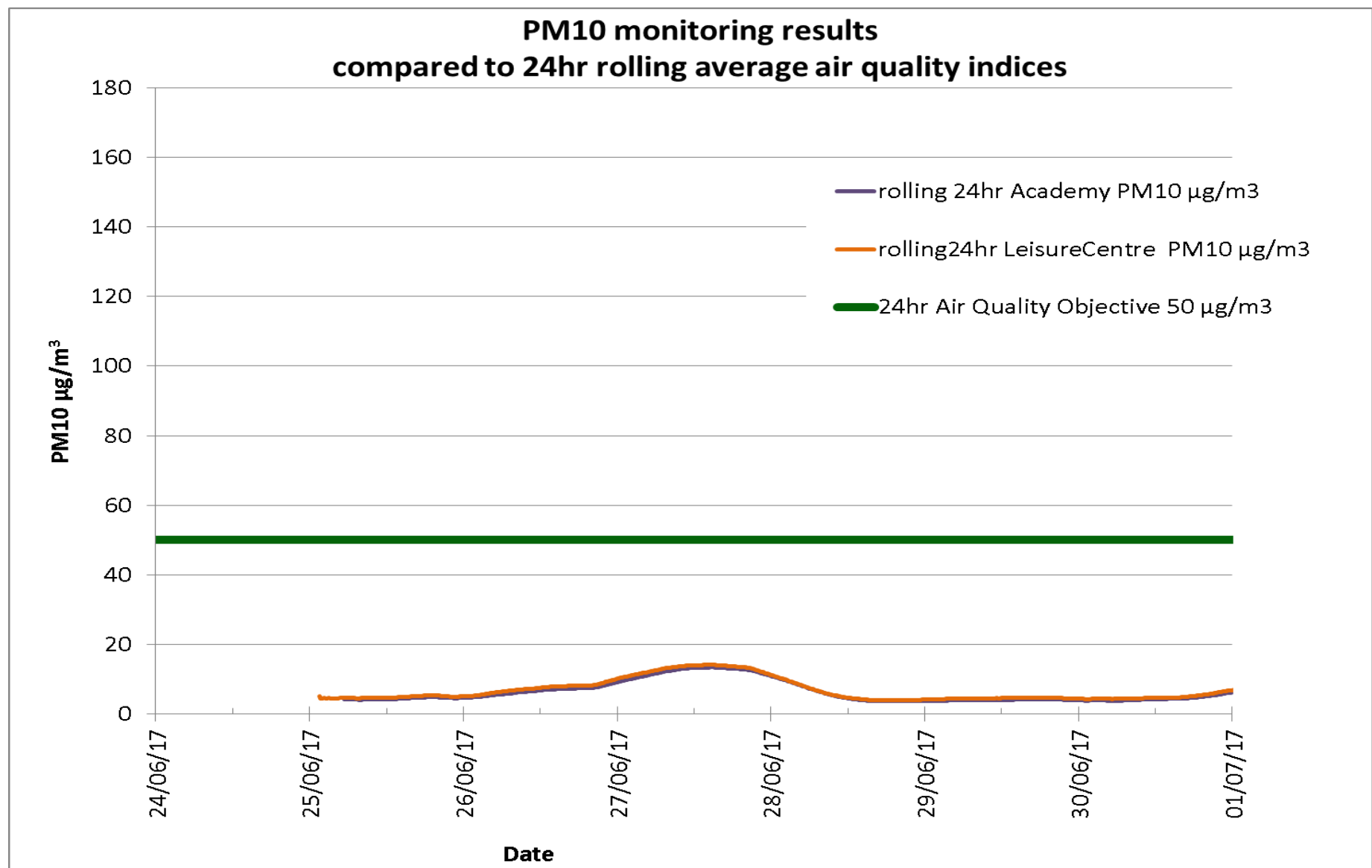


Figure 2

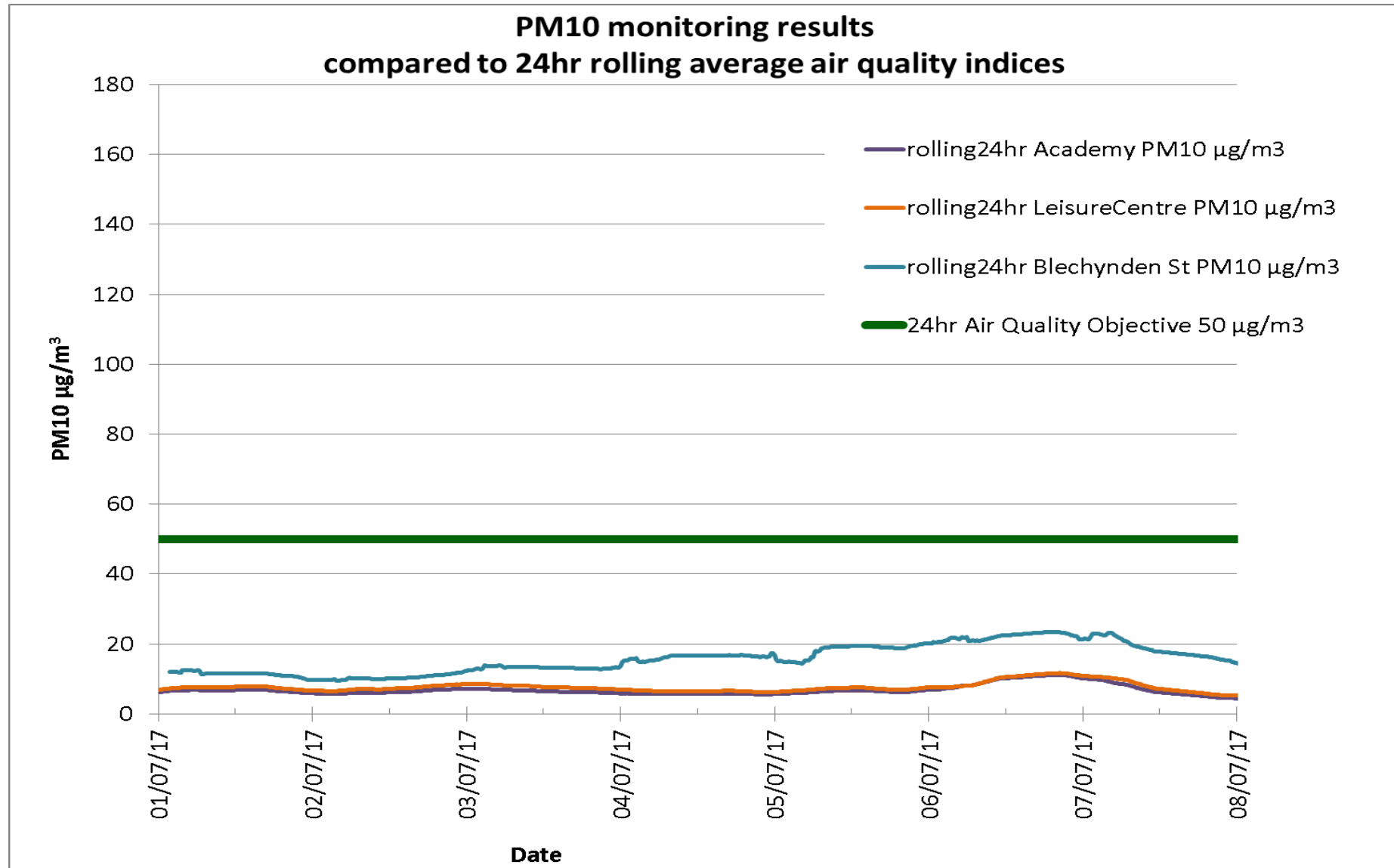


Figure 3

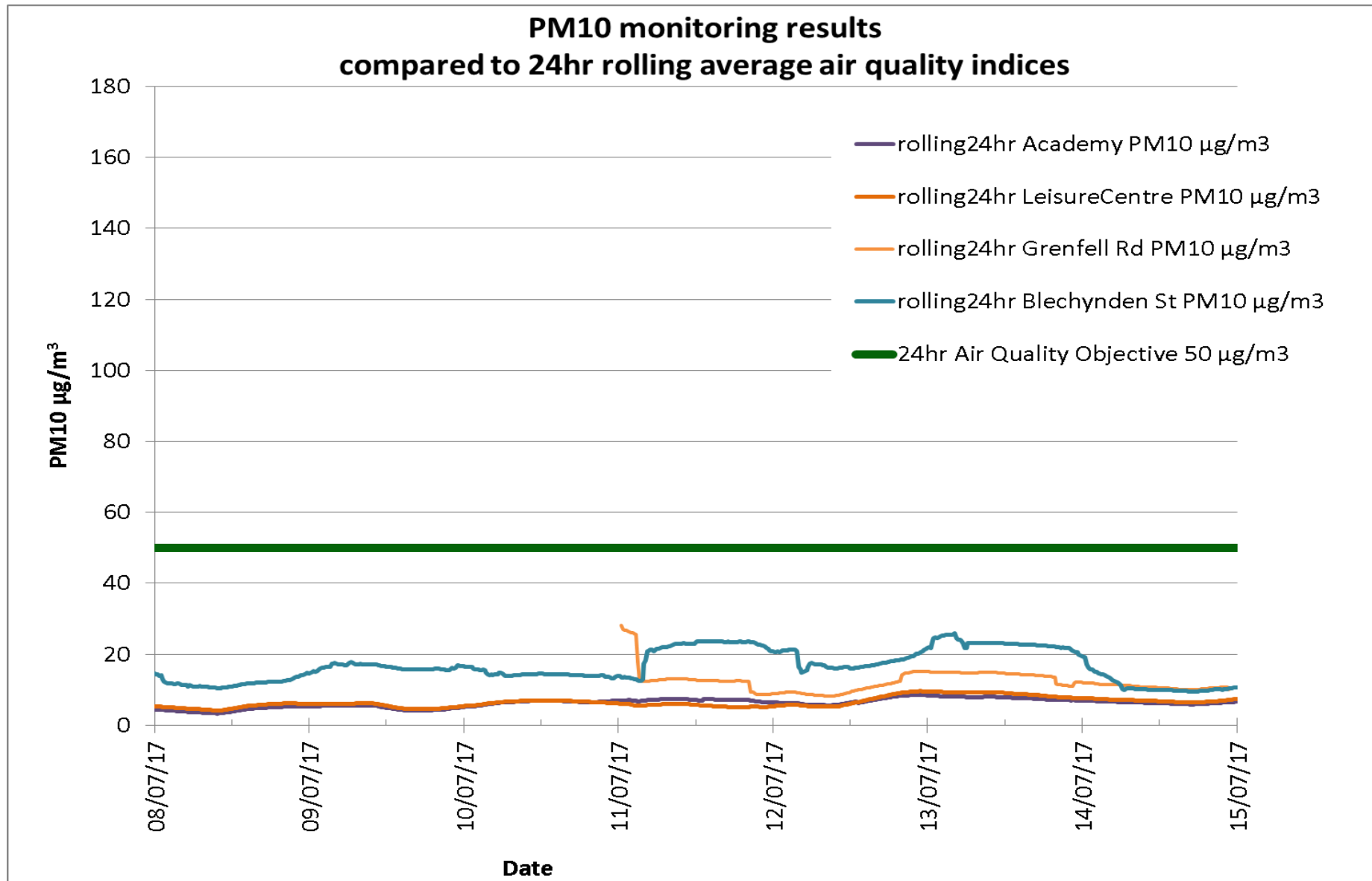


Figure 4

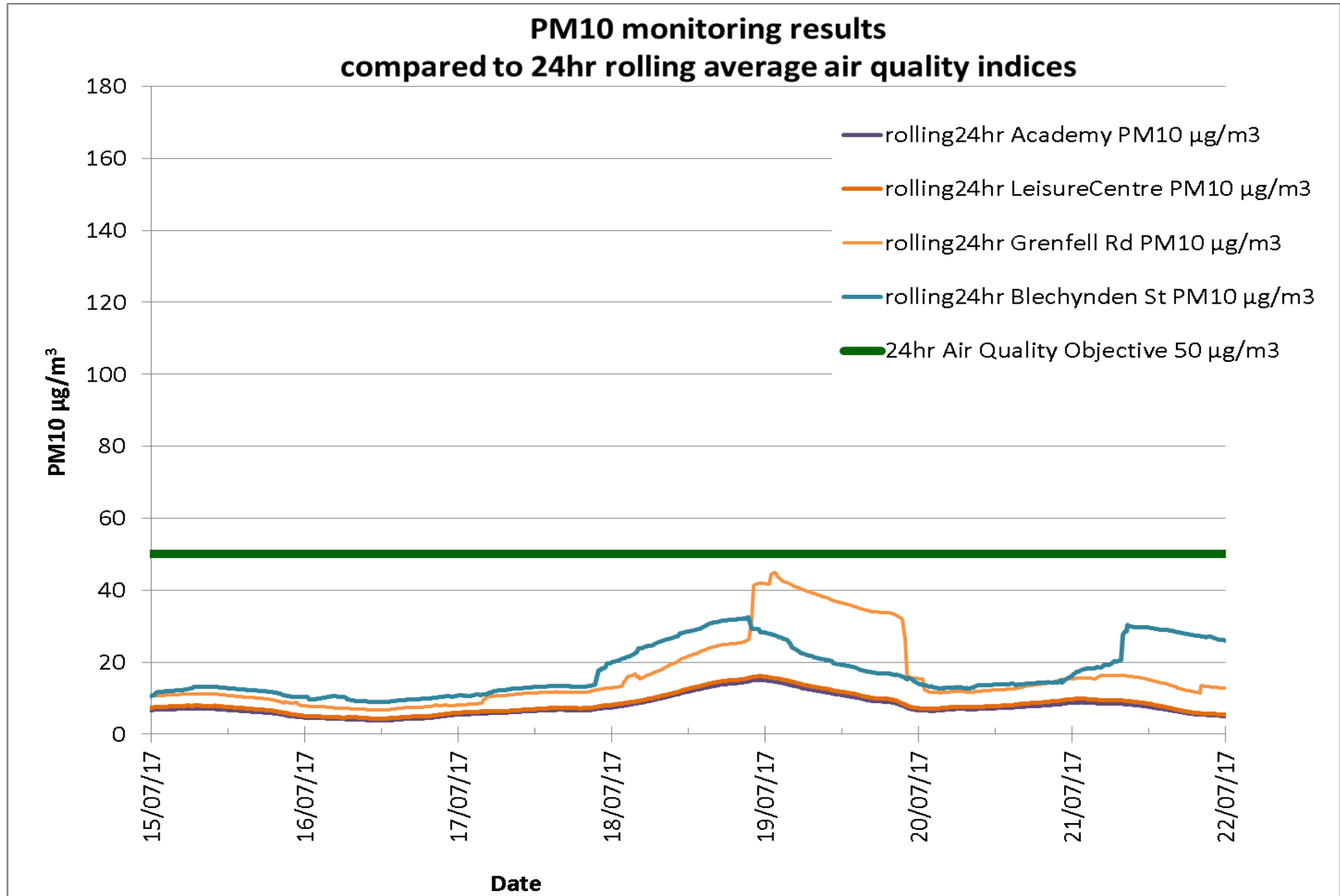


Figure 5

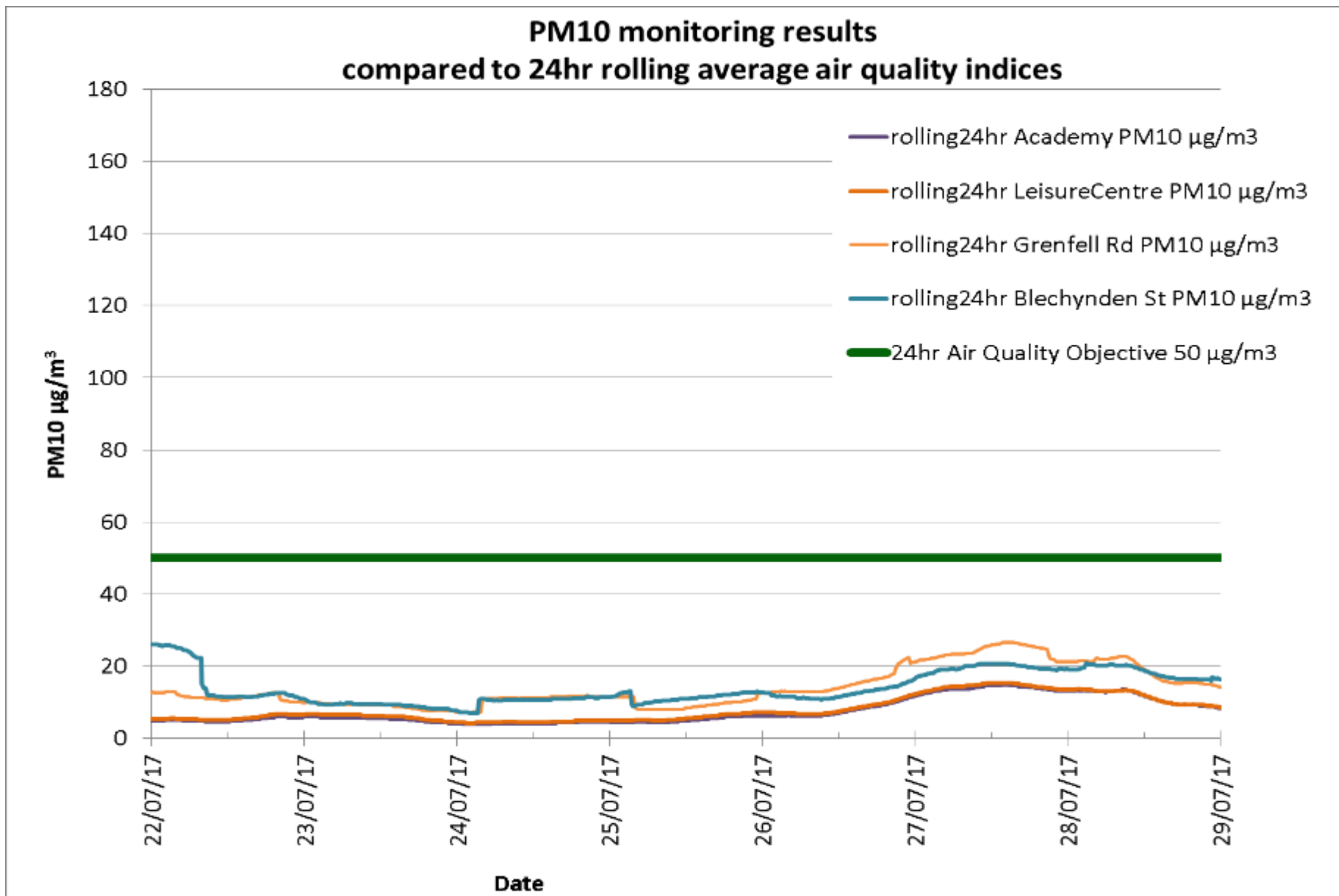




Figure 6

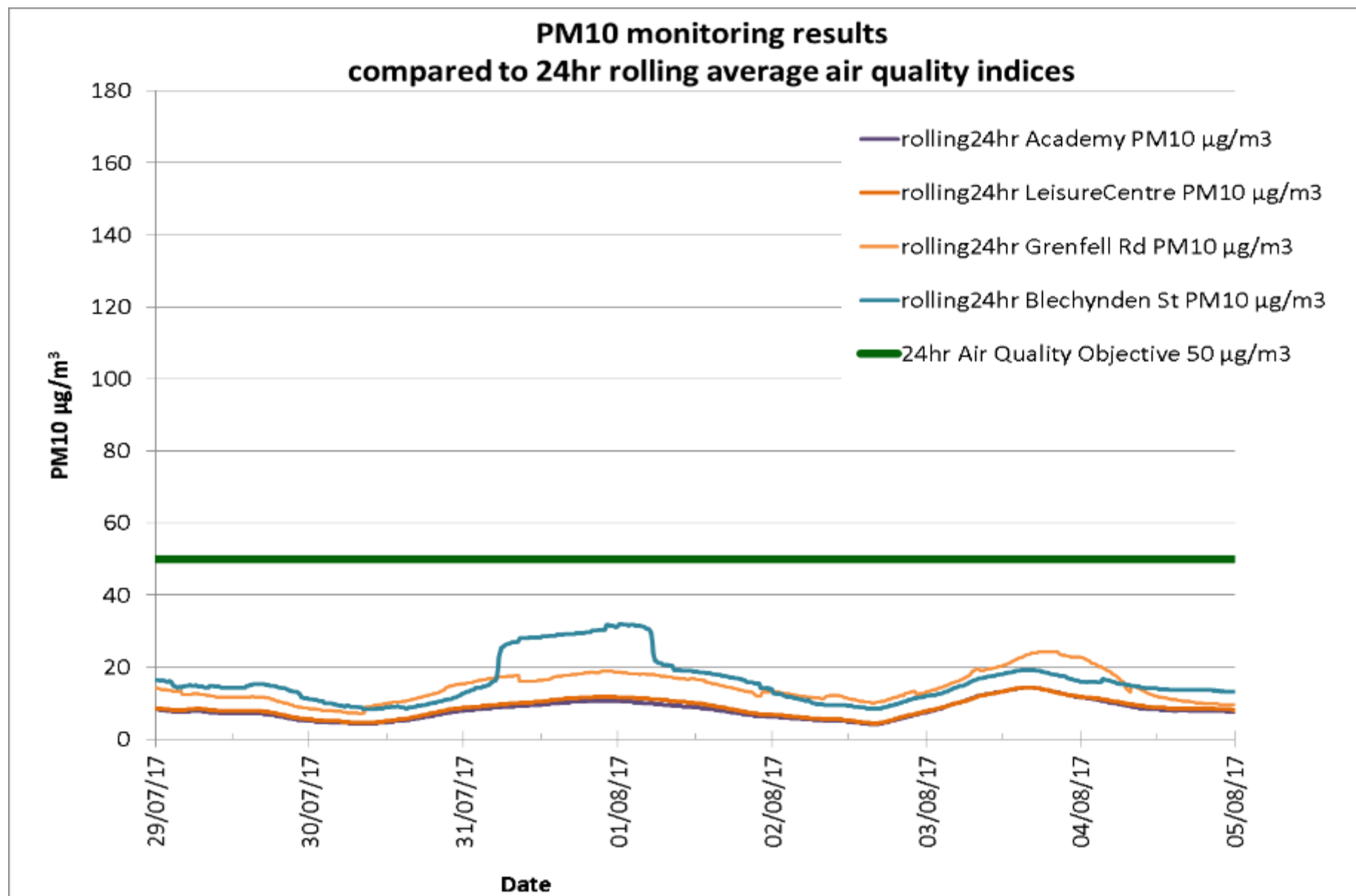


Figure 7

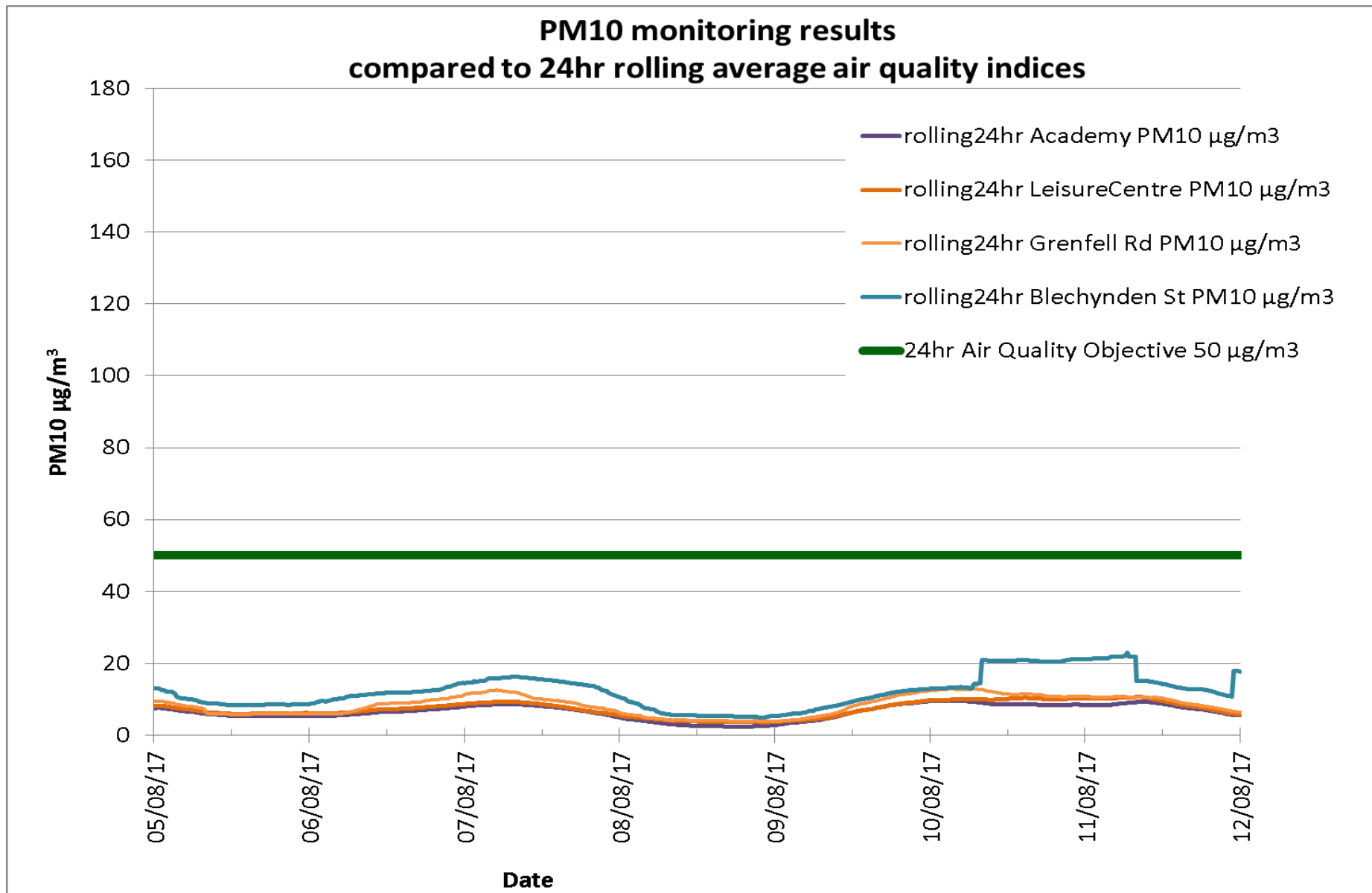


Figure 8

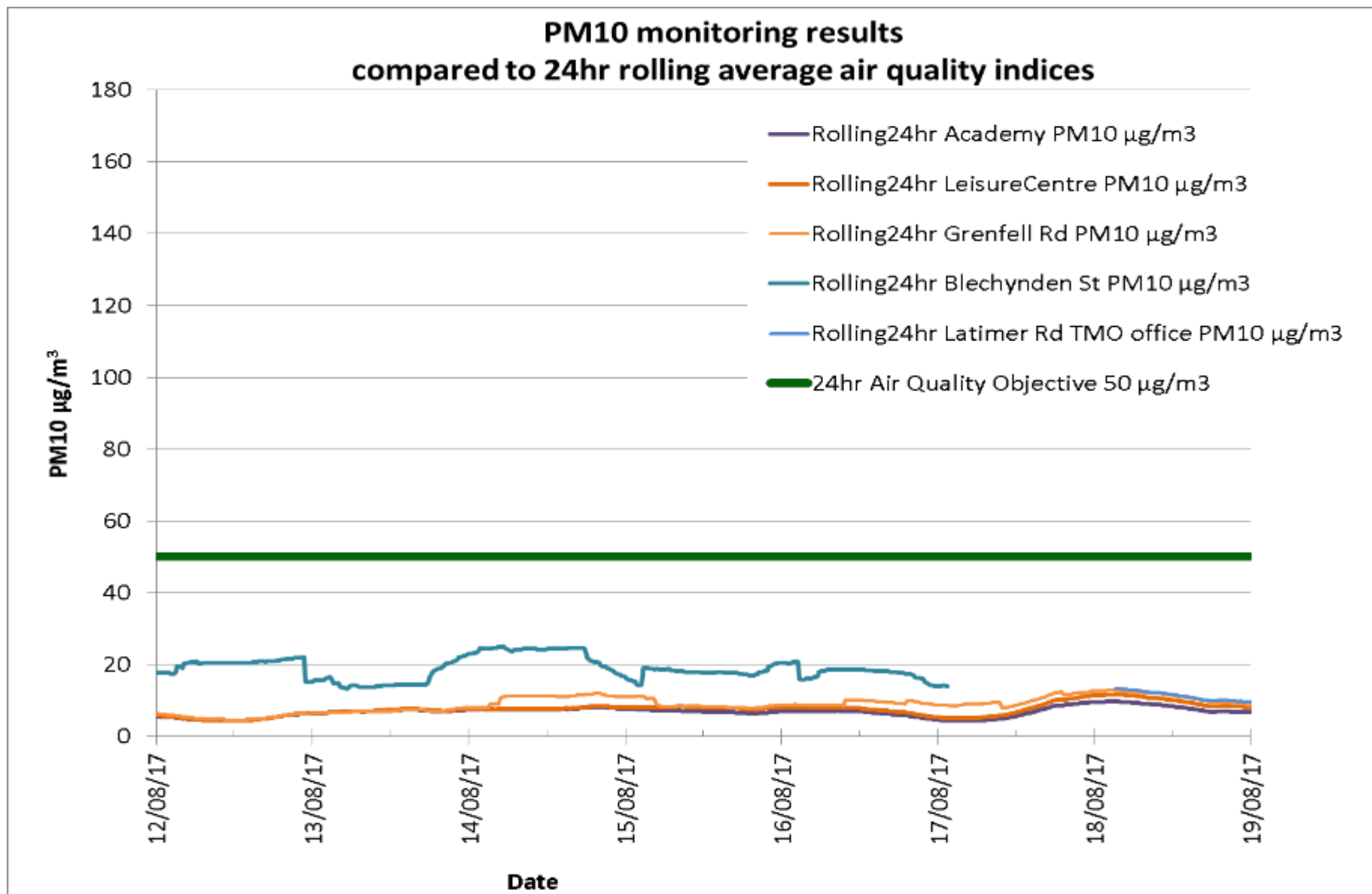


Figure 9

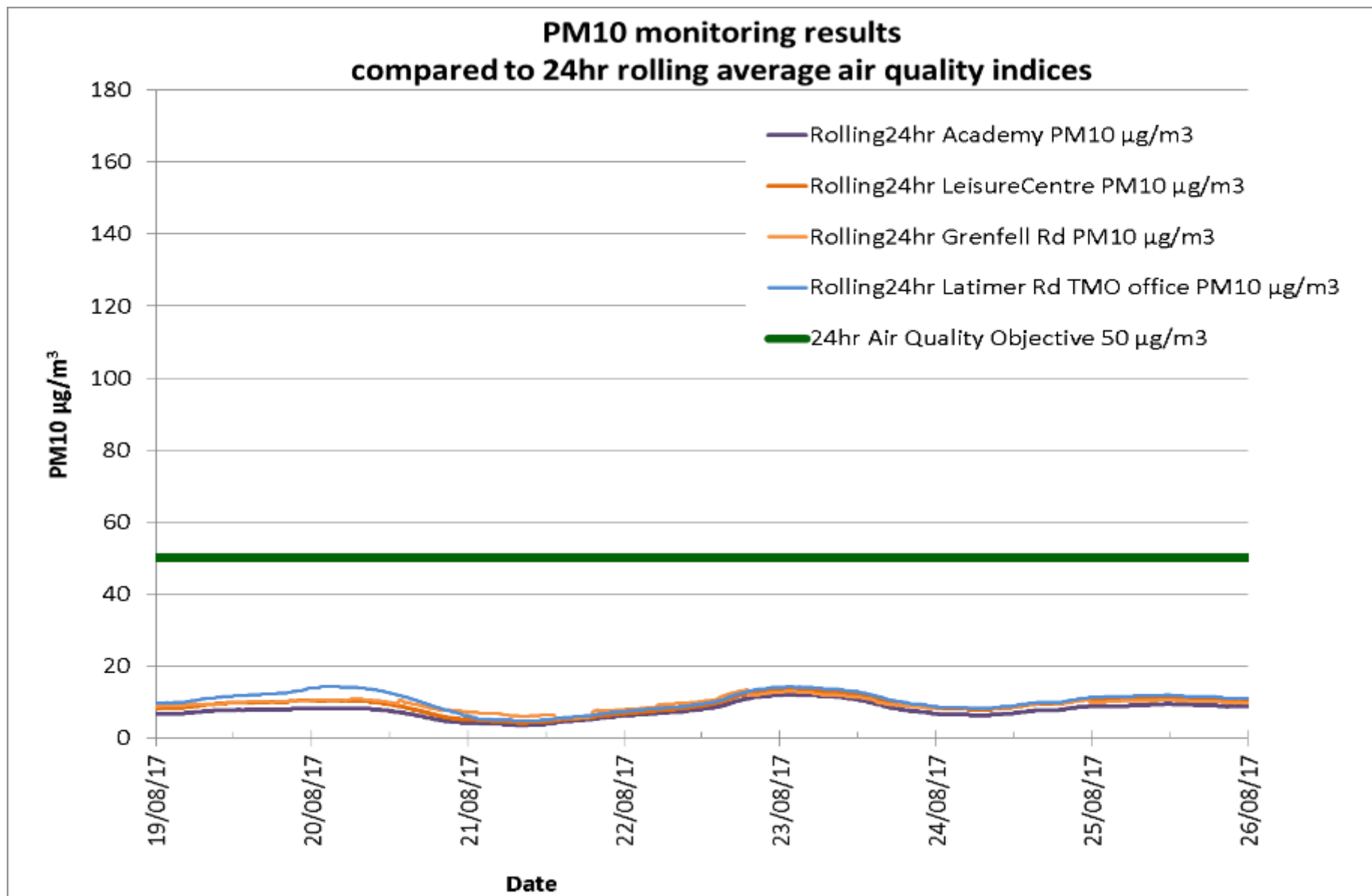


Figure 10

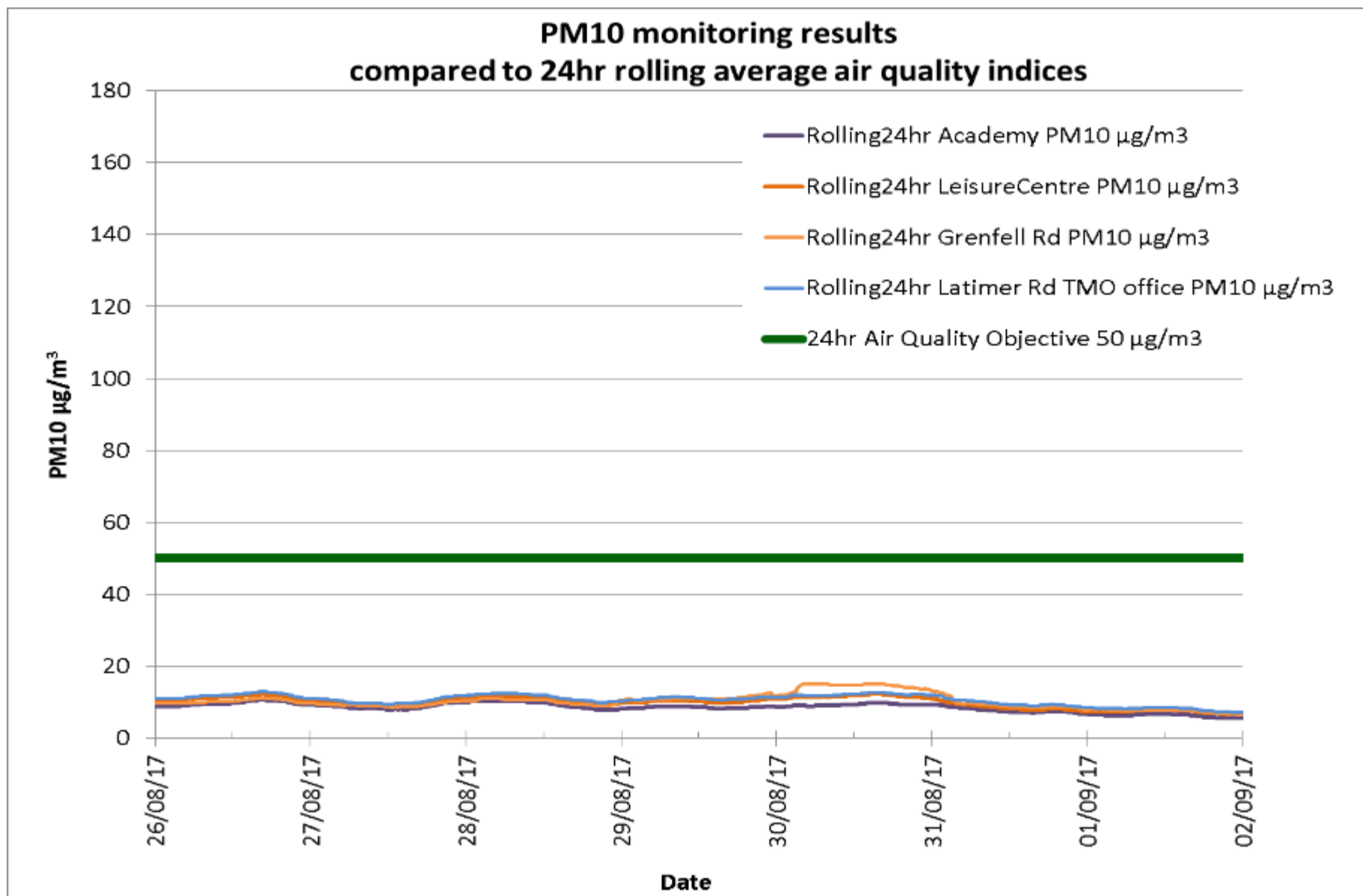


Figure 11

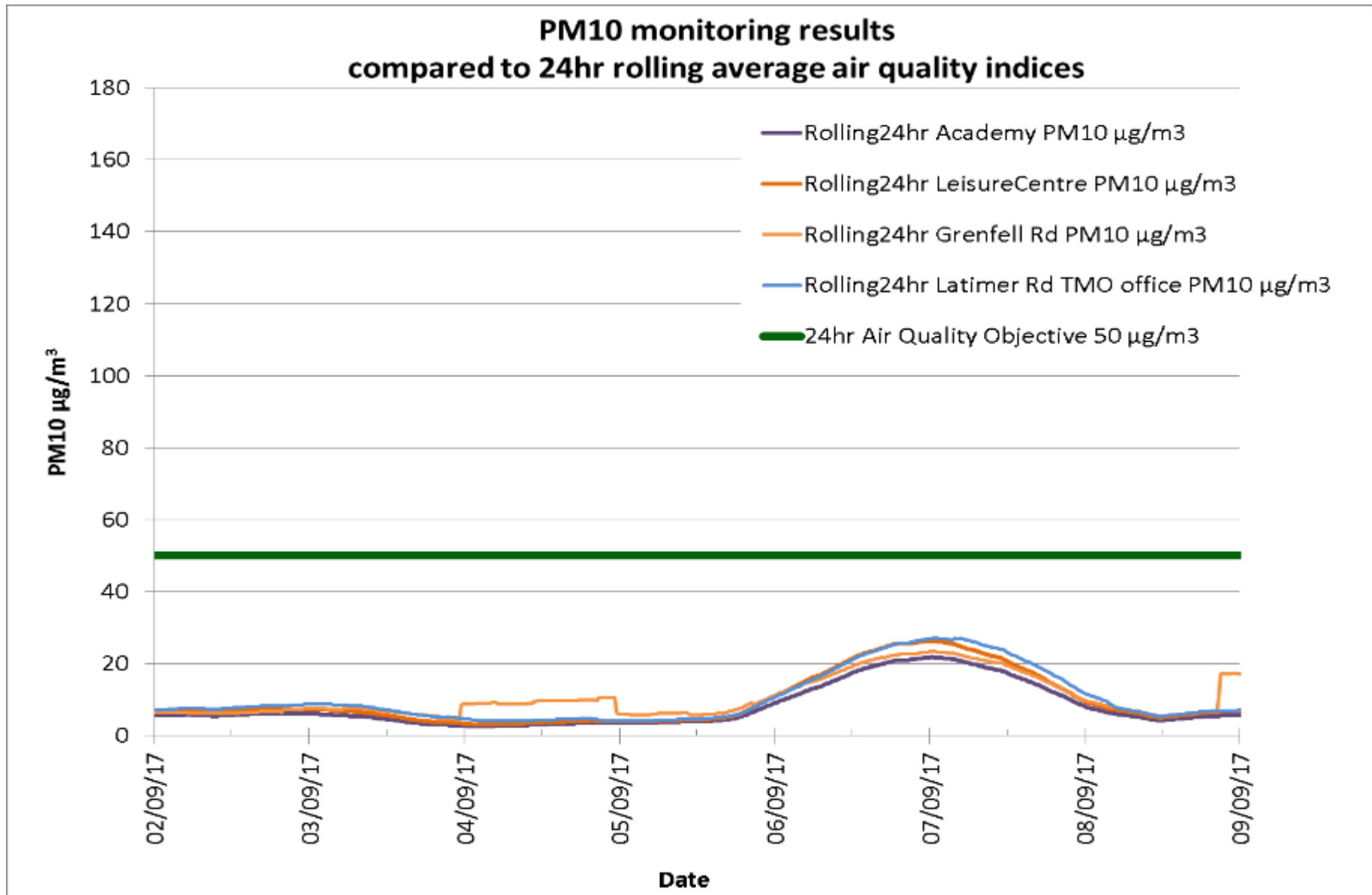


Figure 12

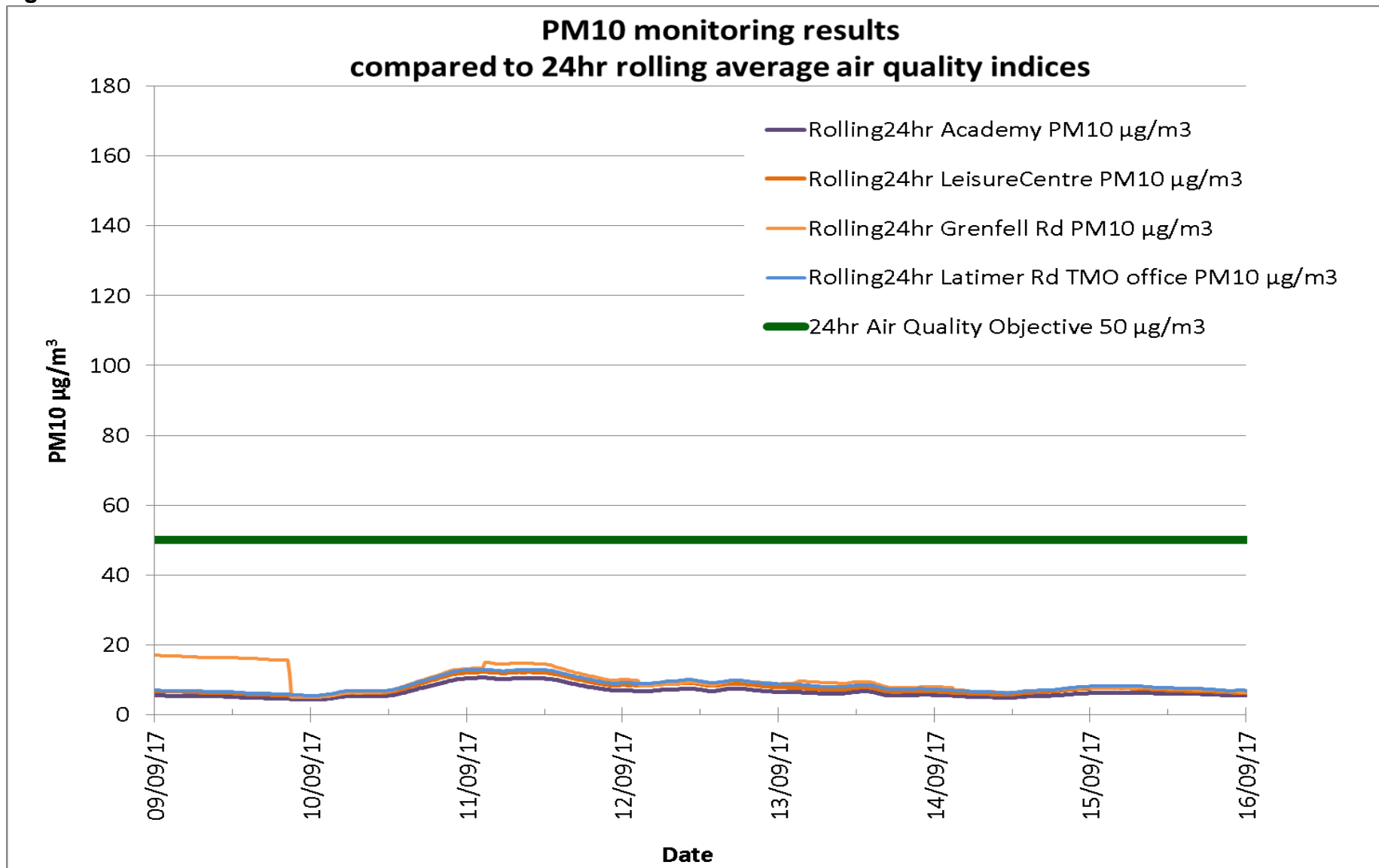


Figure 13

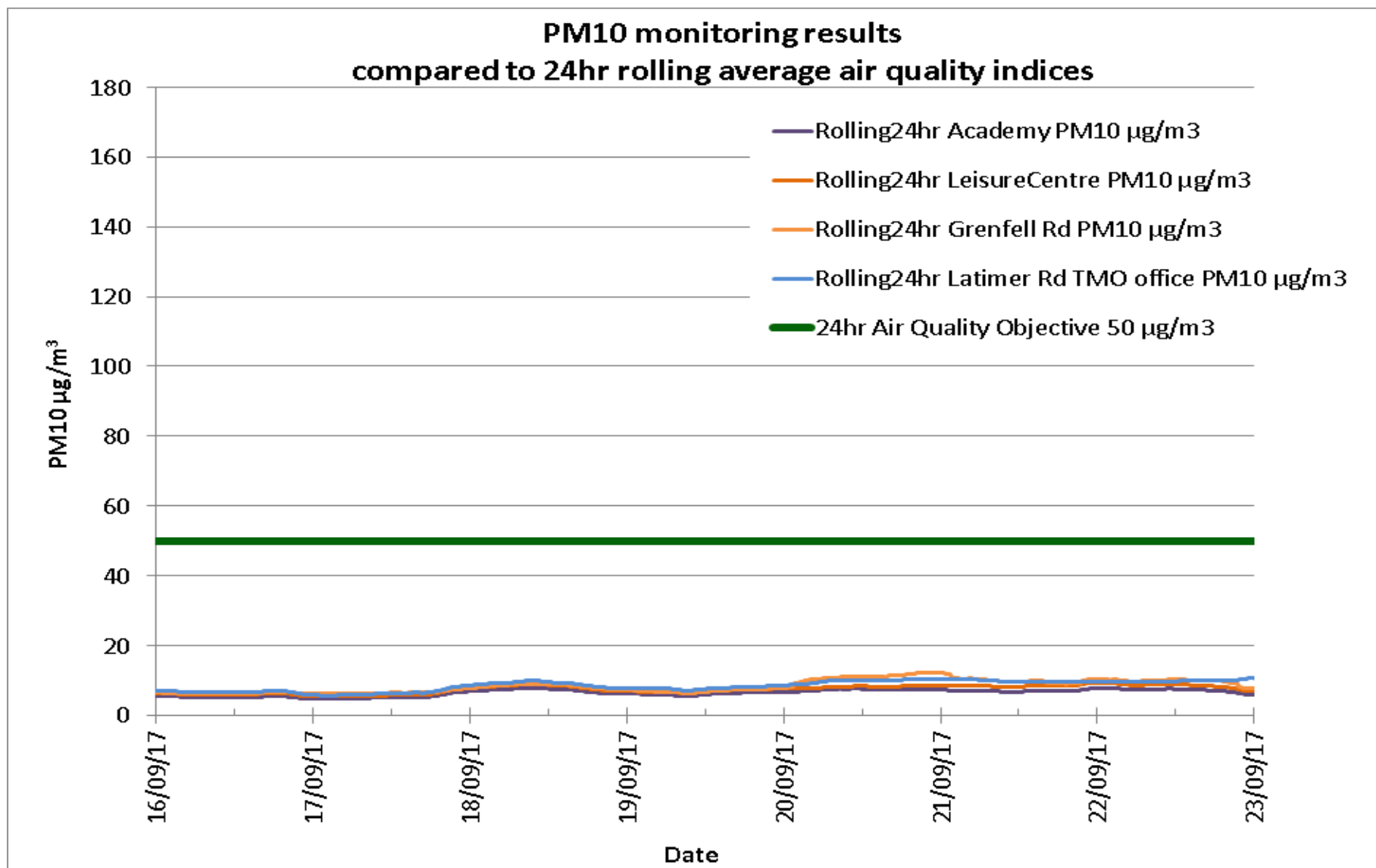




Figure 14

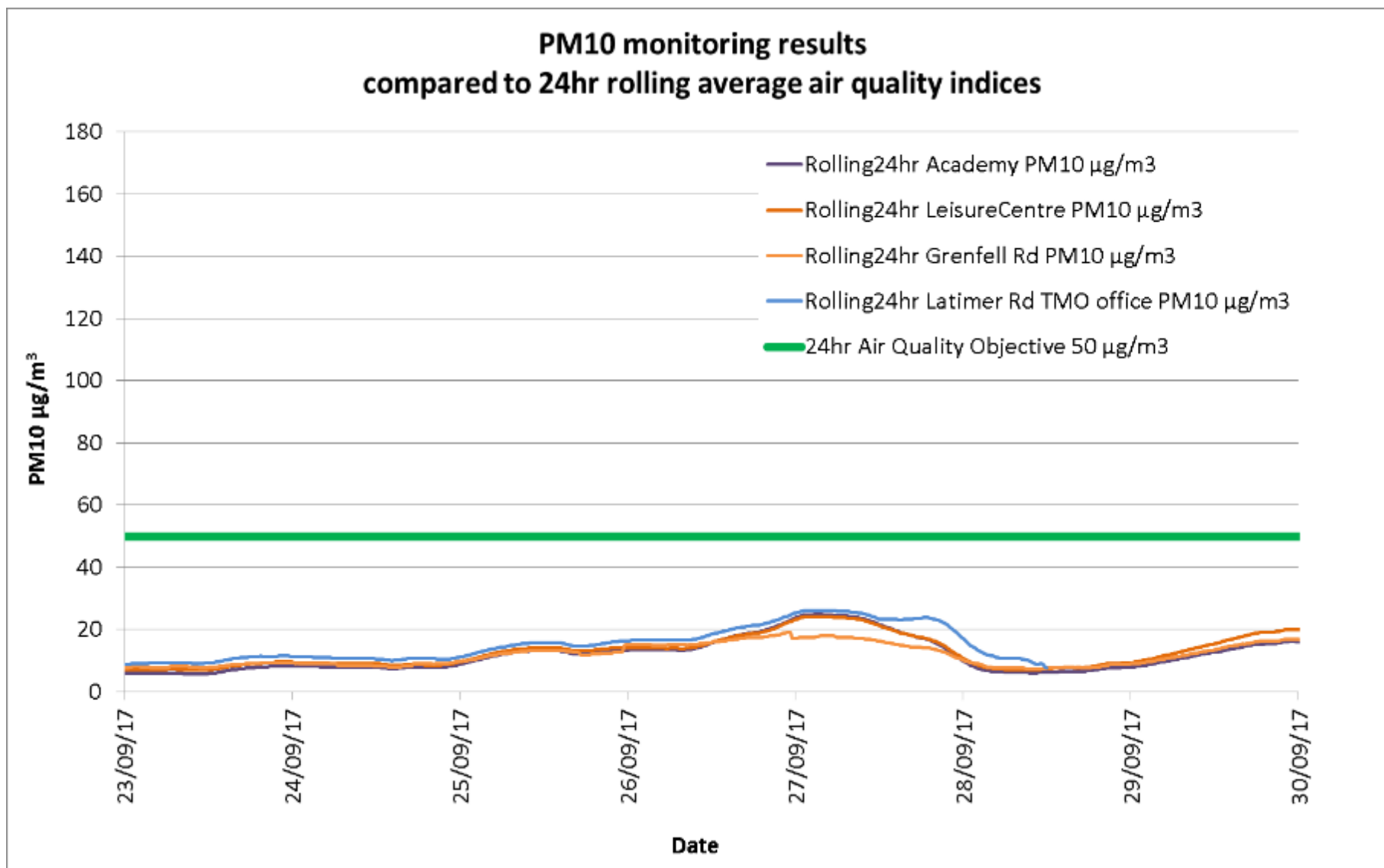


Figure 15

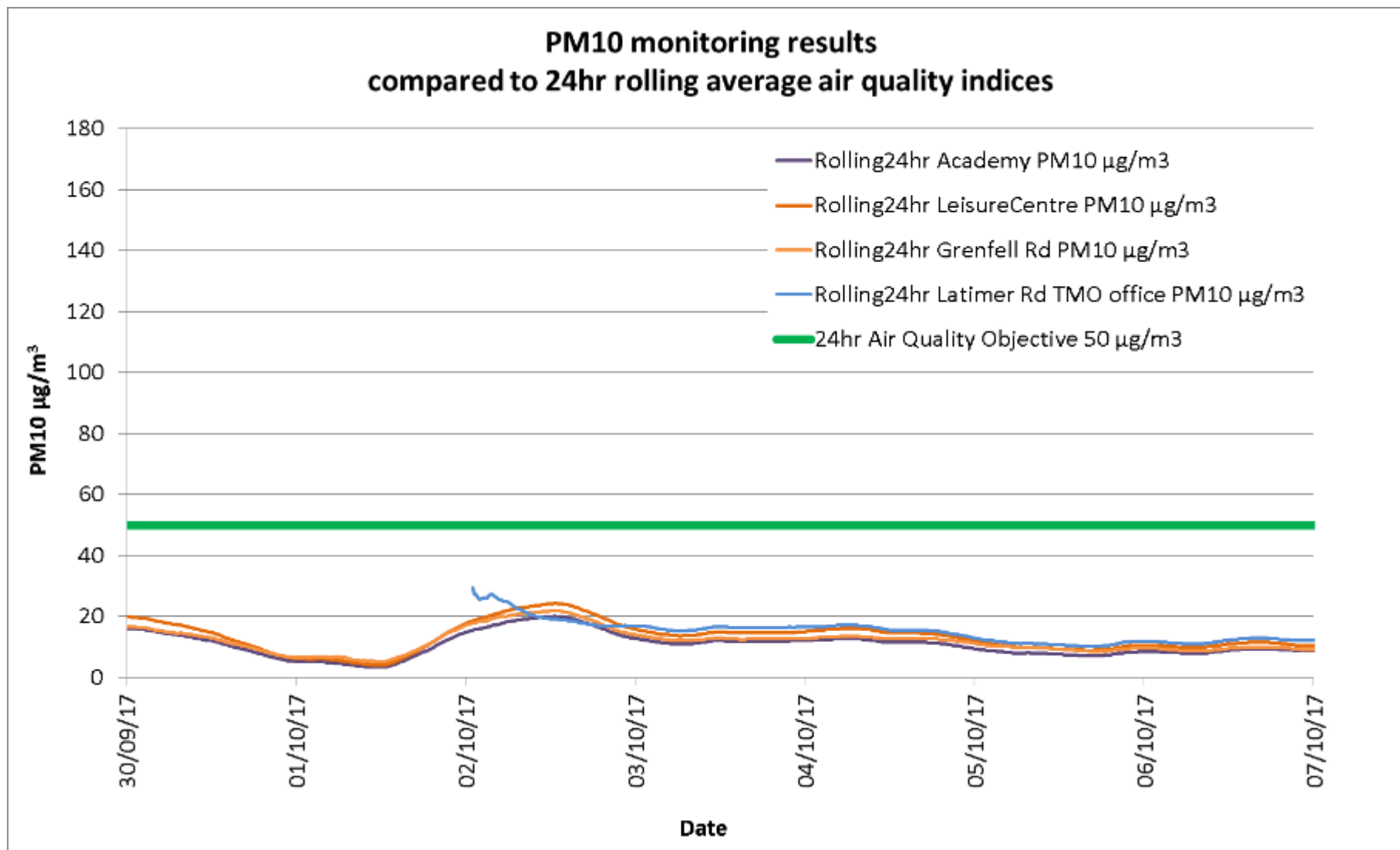


Figure 16

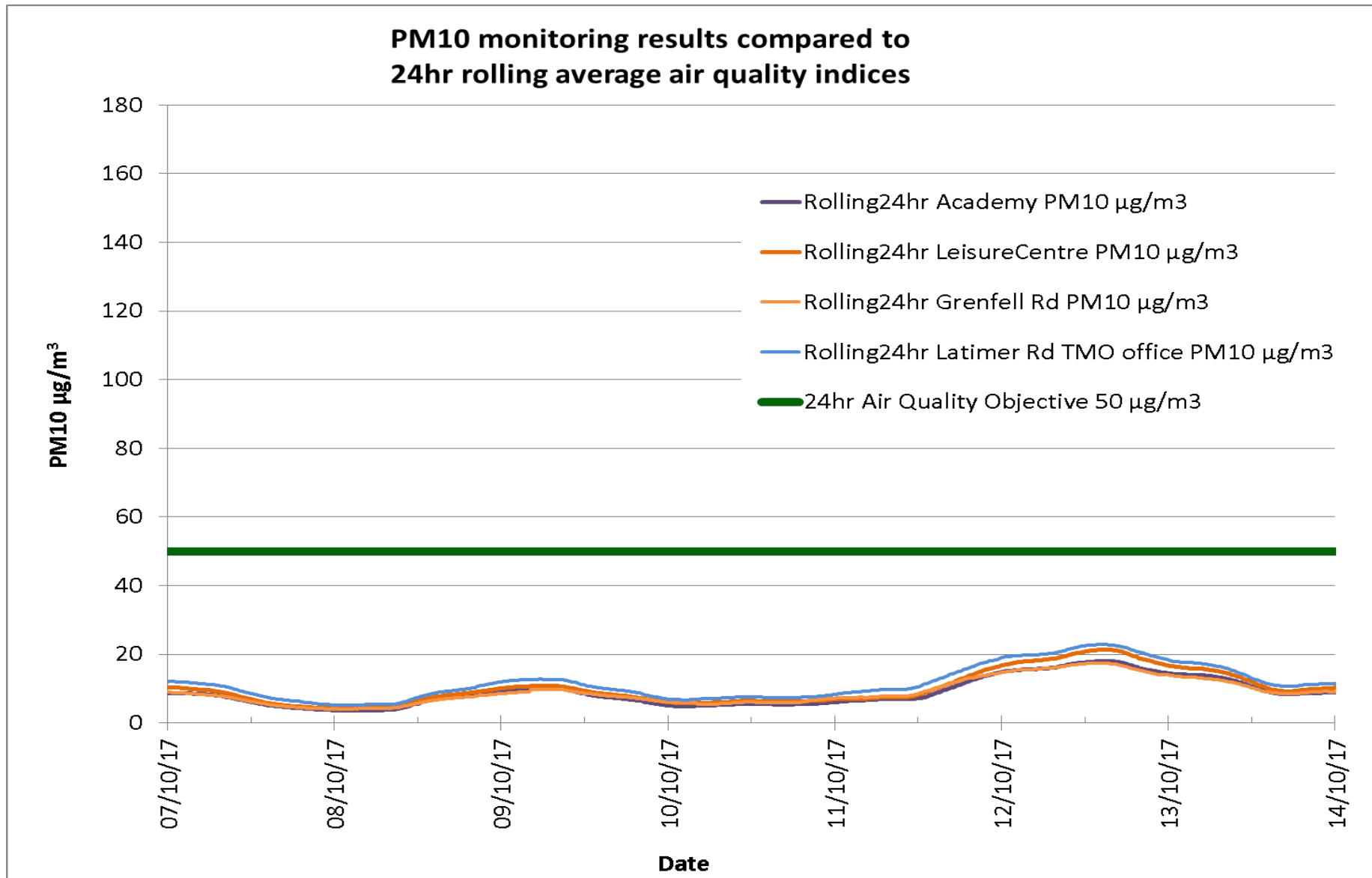


Figure 17

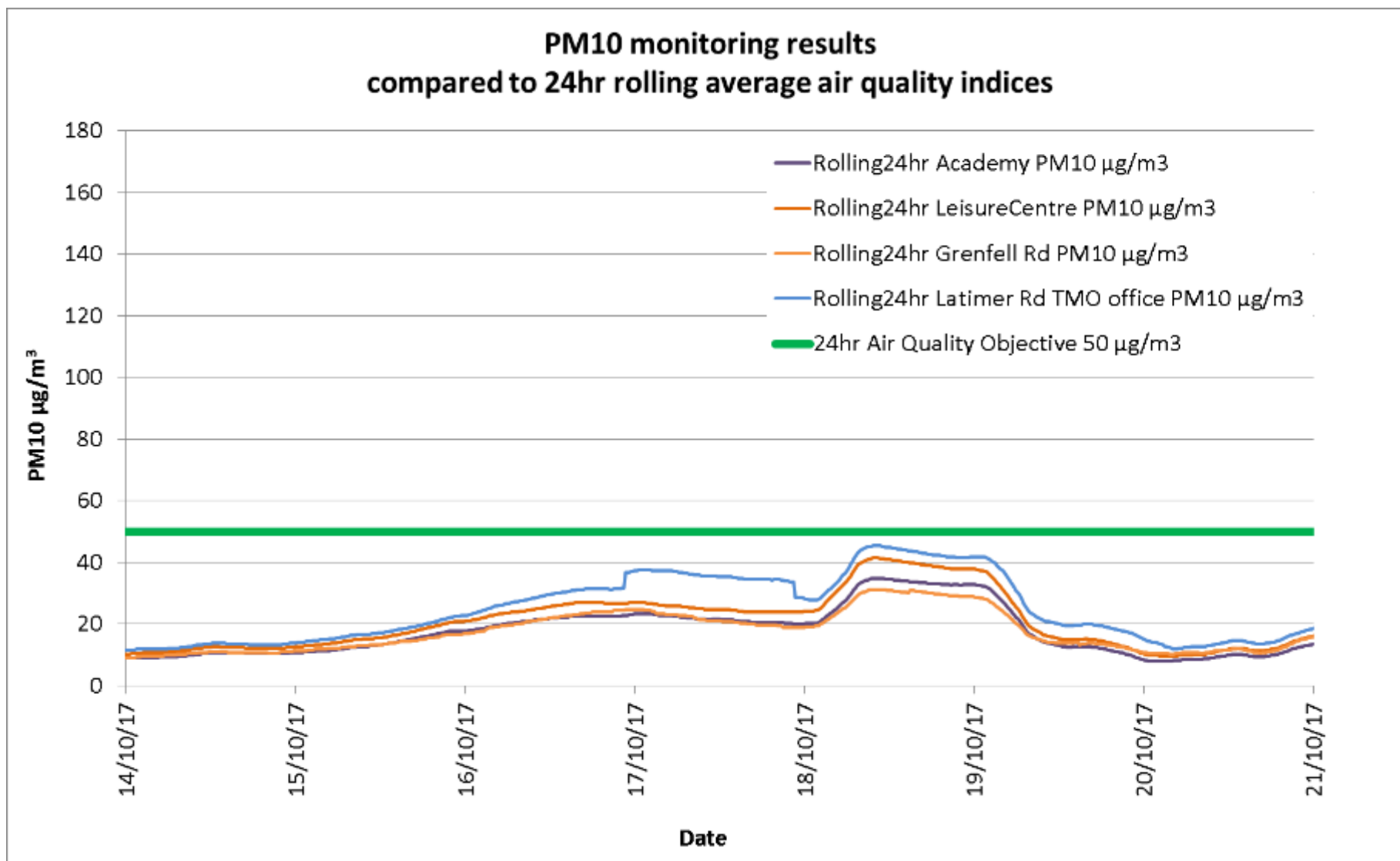


Figure 18

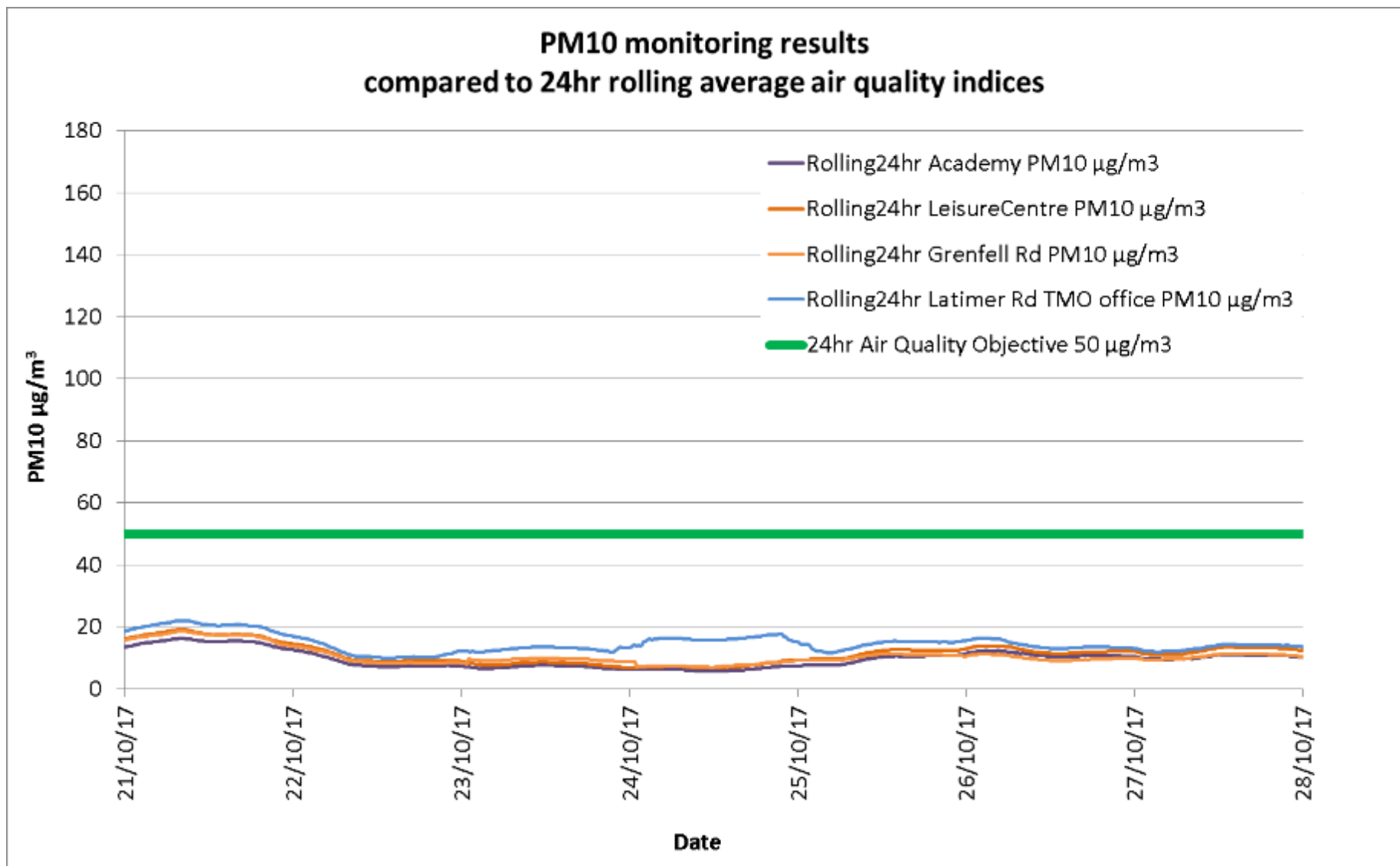


Figure 19

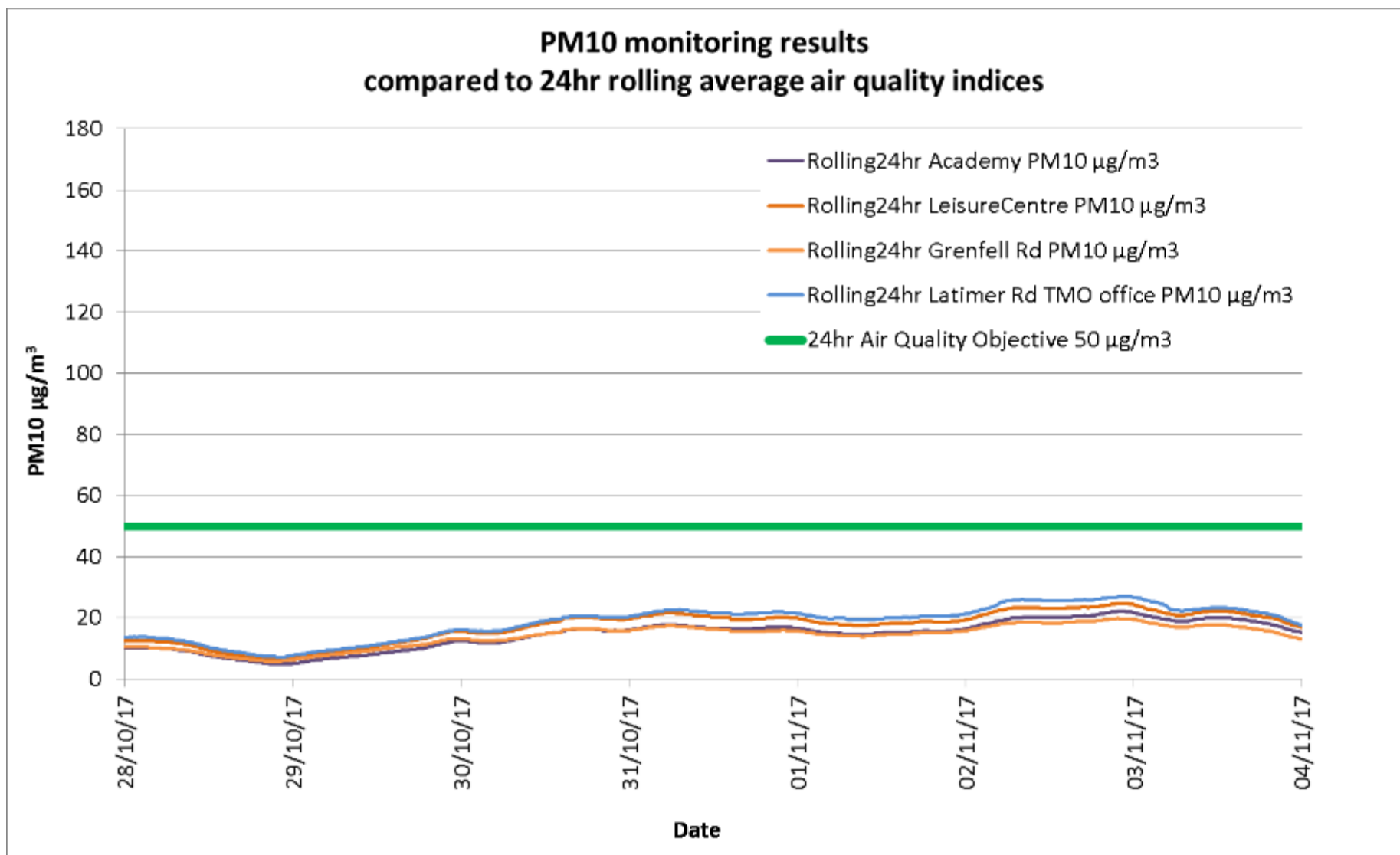


Figure 20

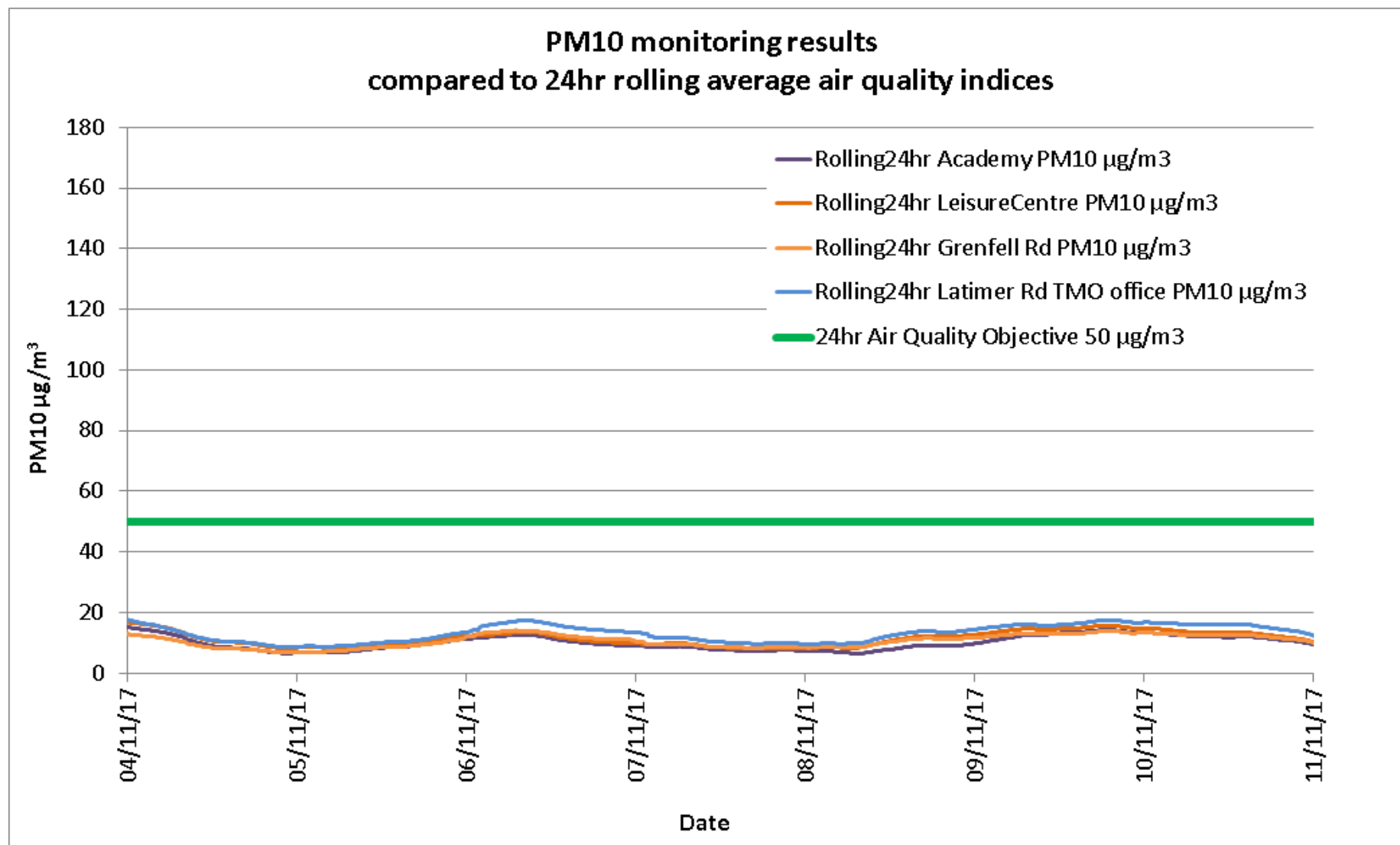


Figure 21

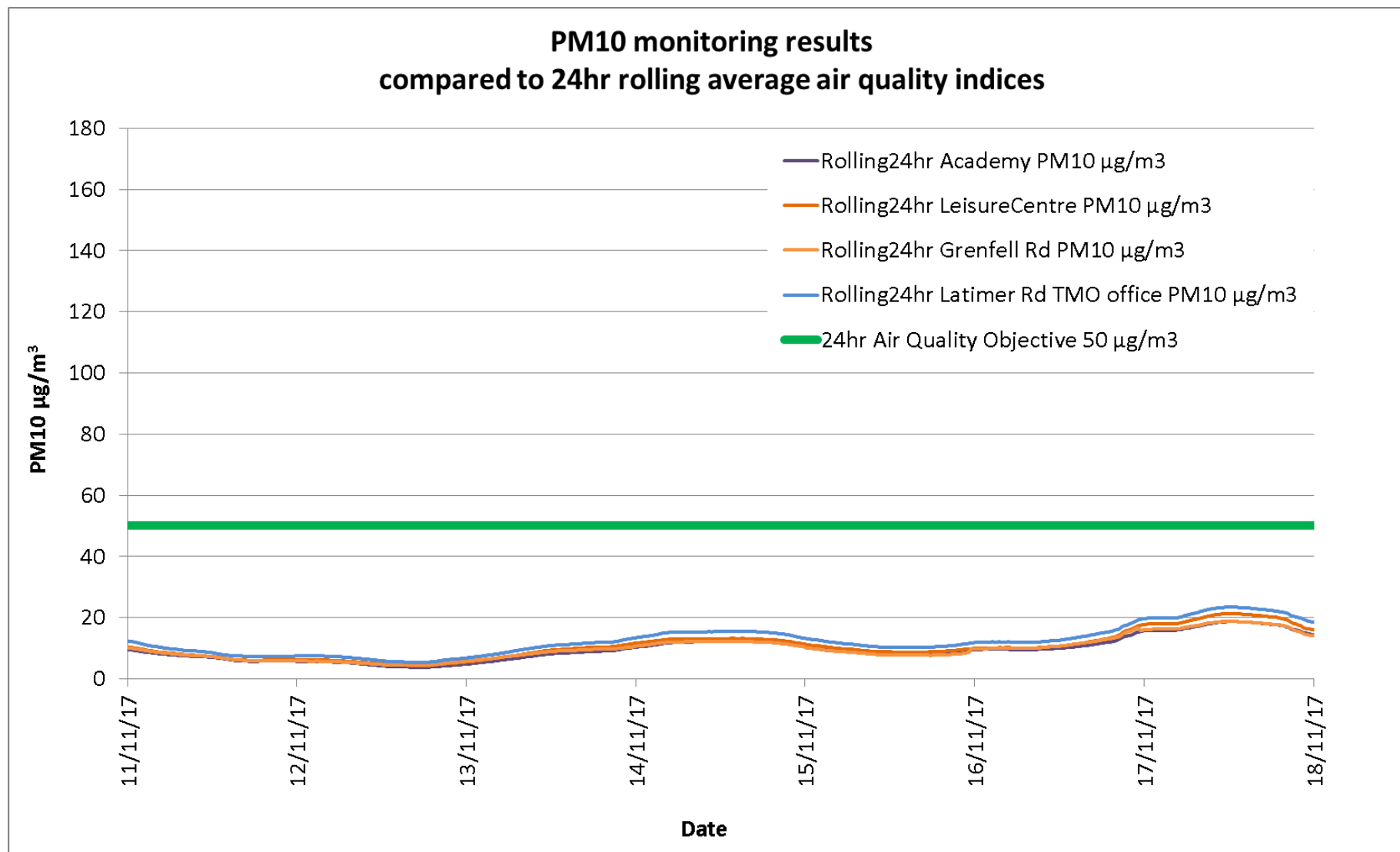
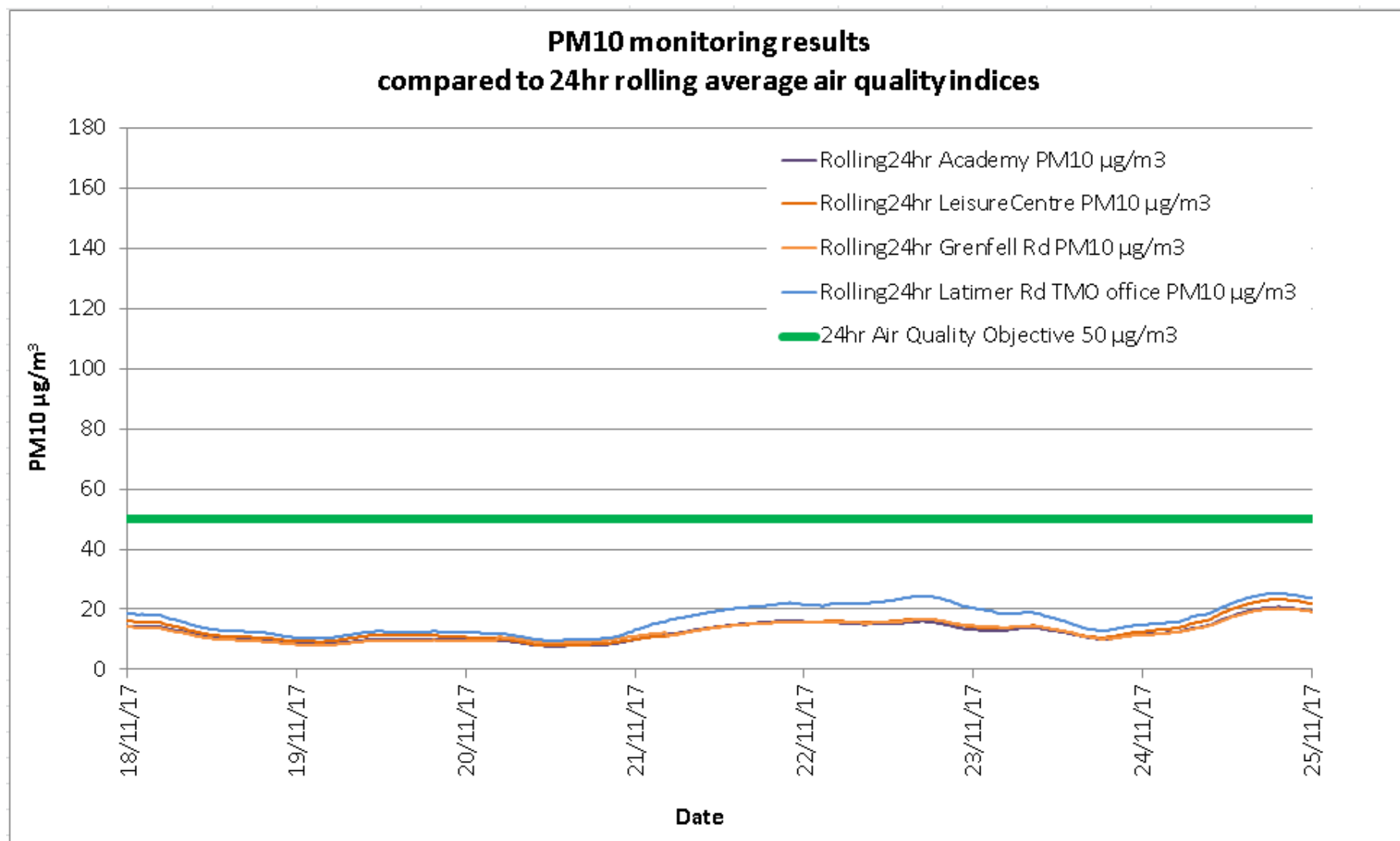




Figure 22



**Figure 23**

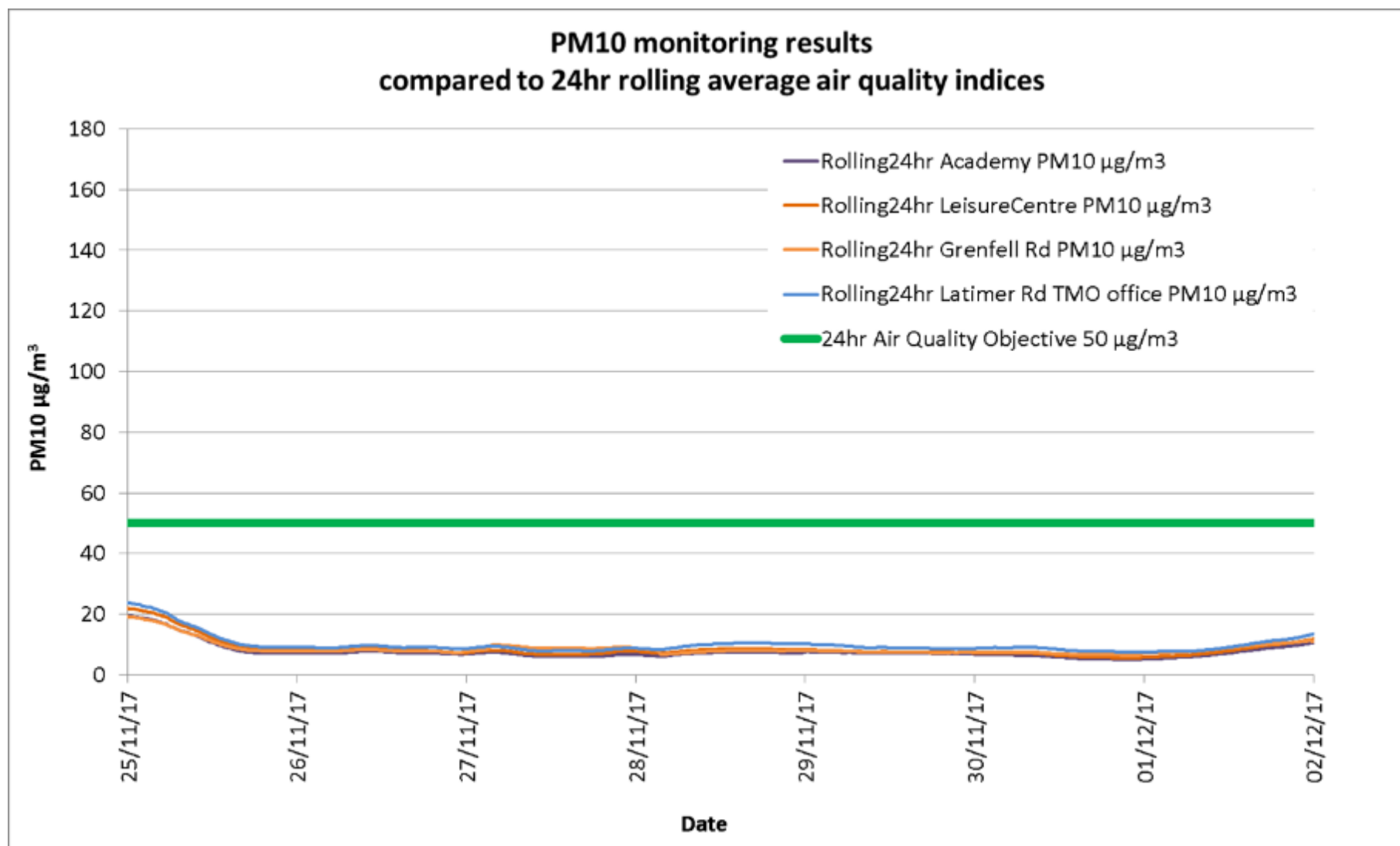


Figure 24

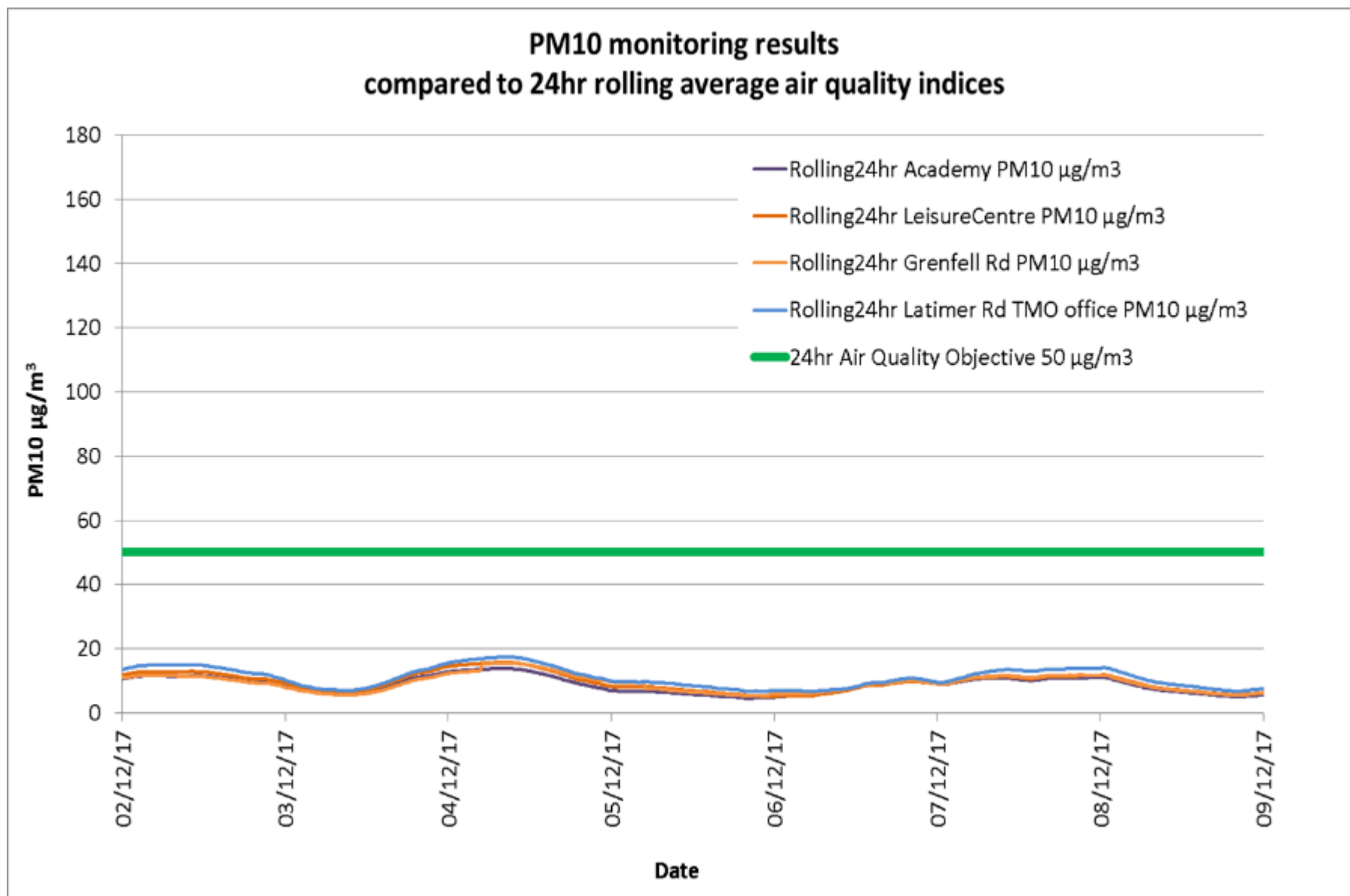


Figure 25

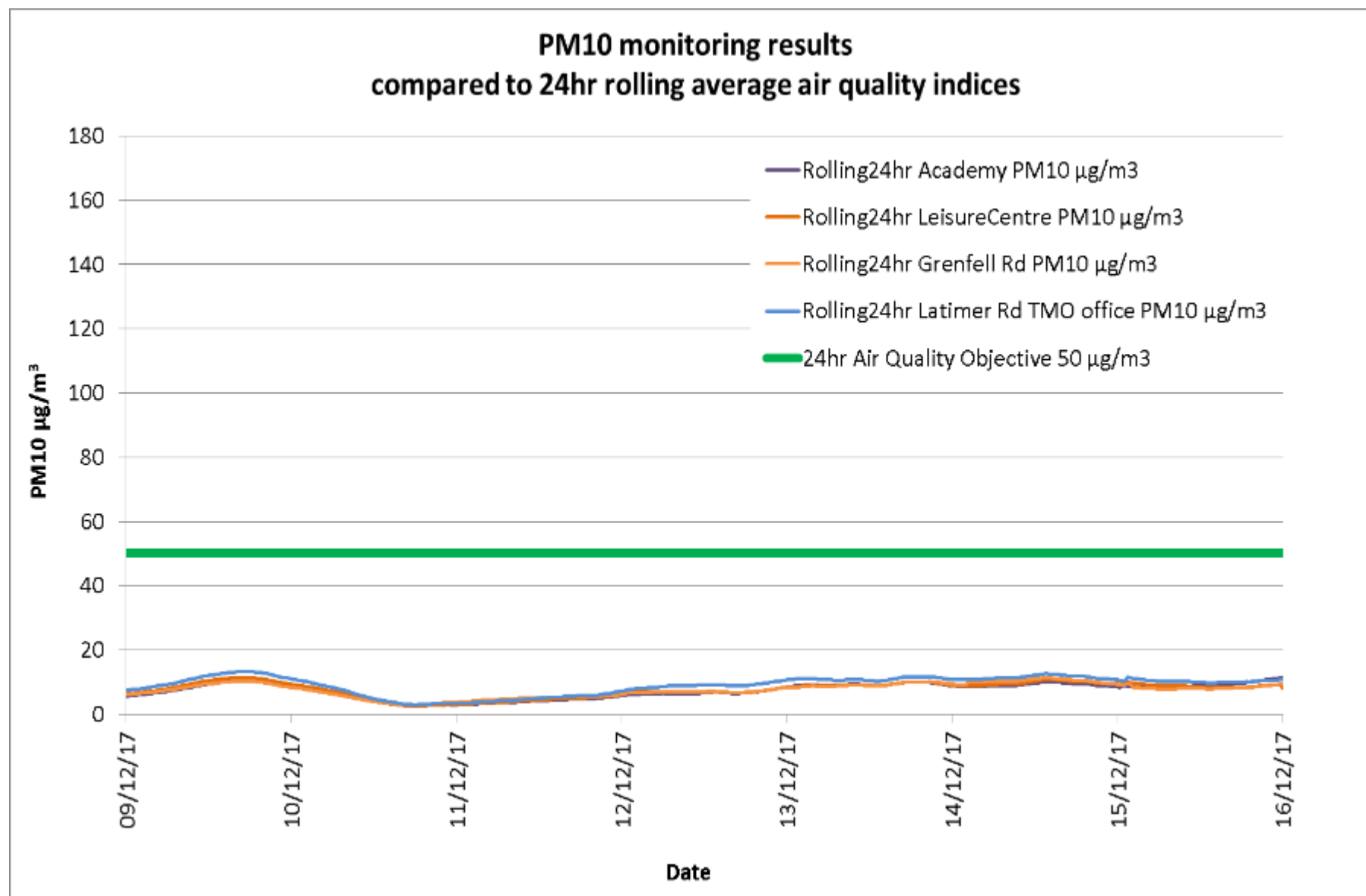


Figure 26

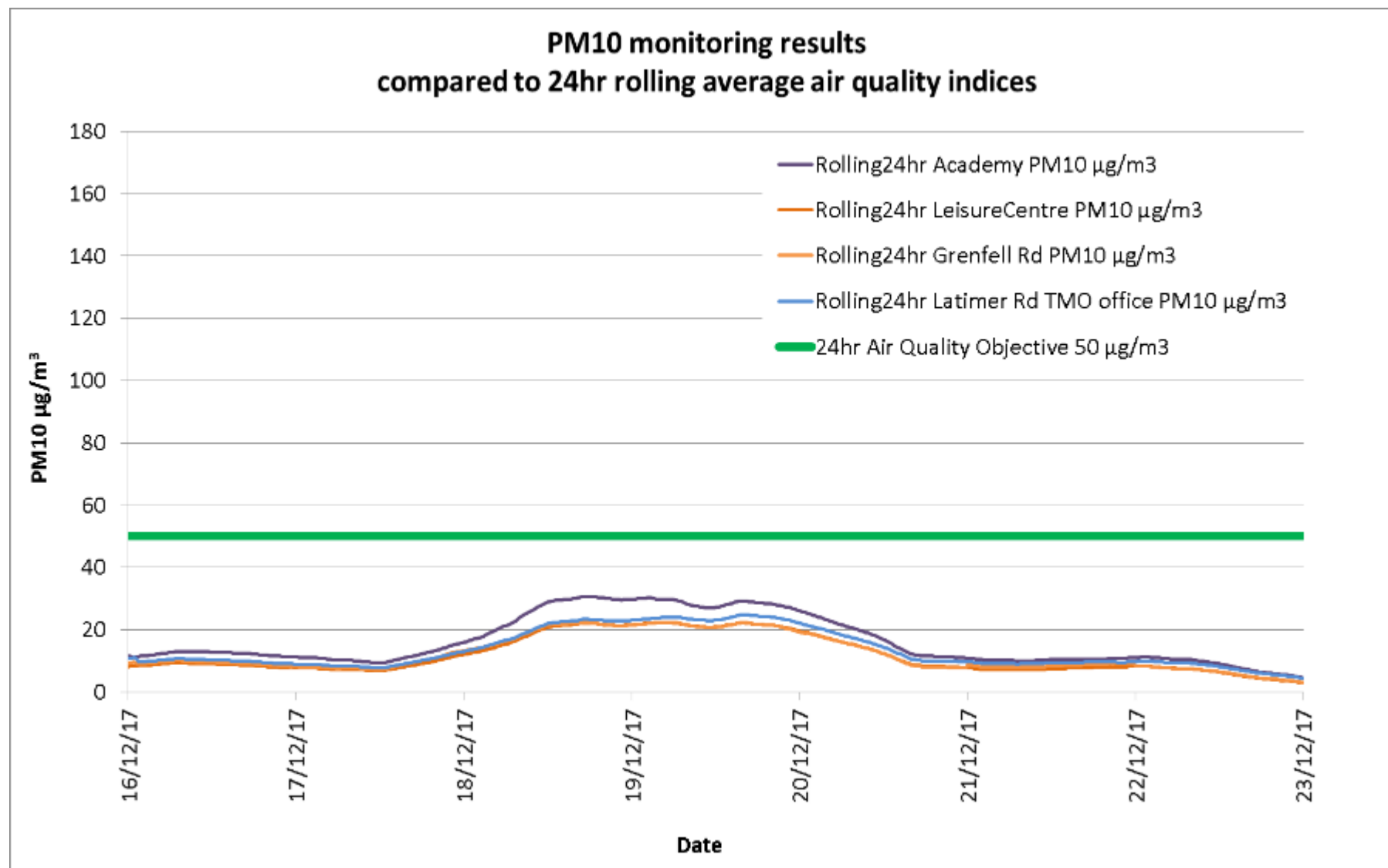


Figure 27

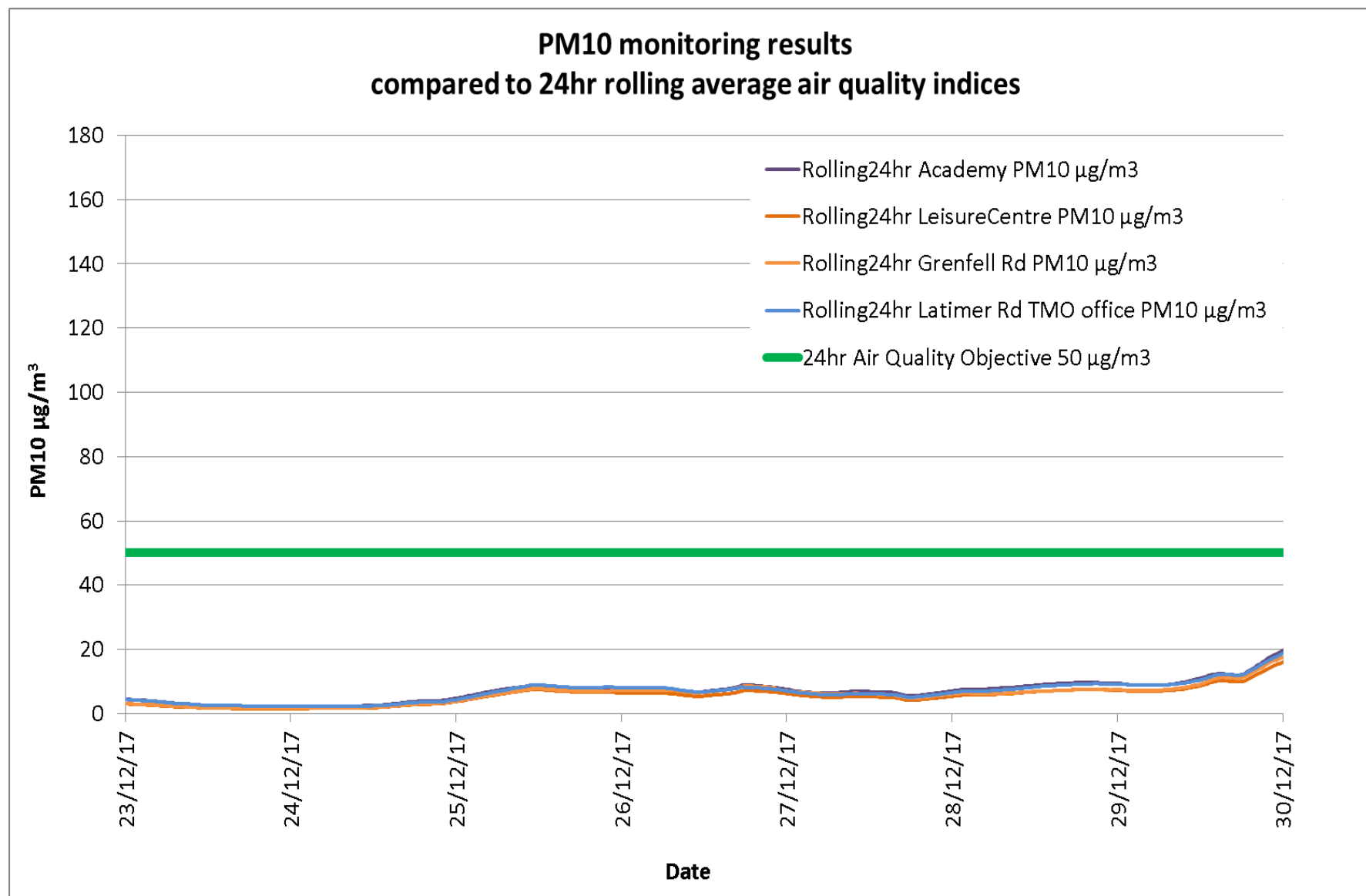


Figure 28

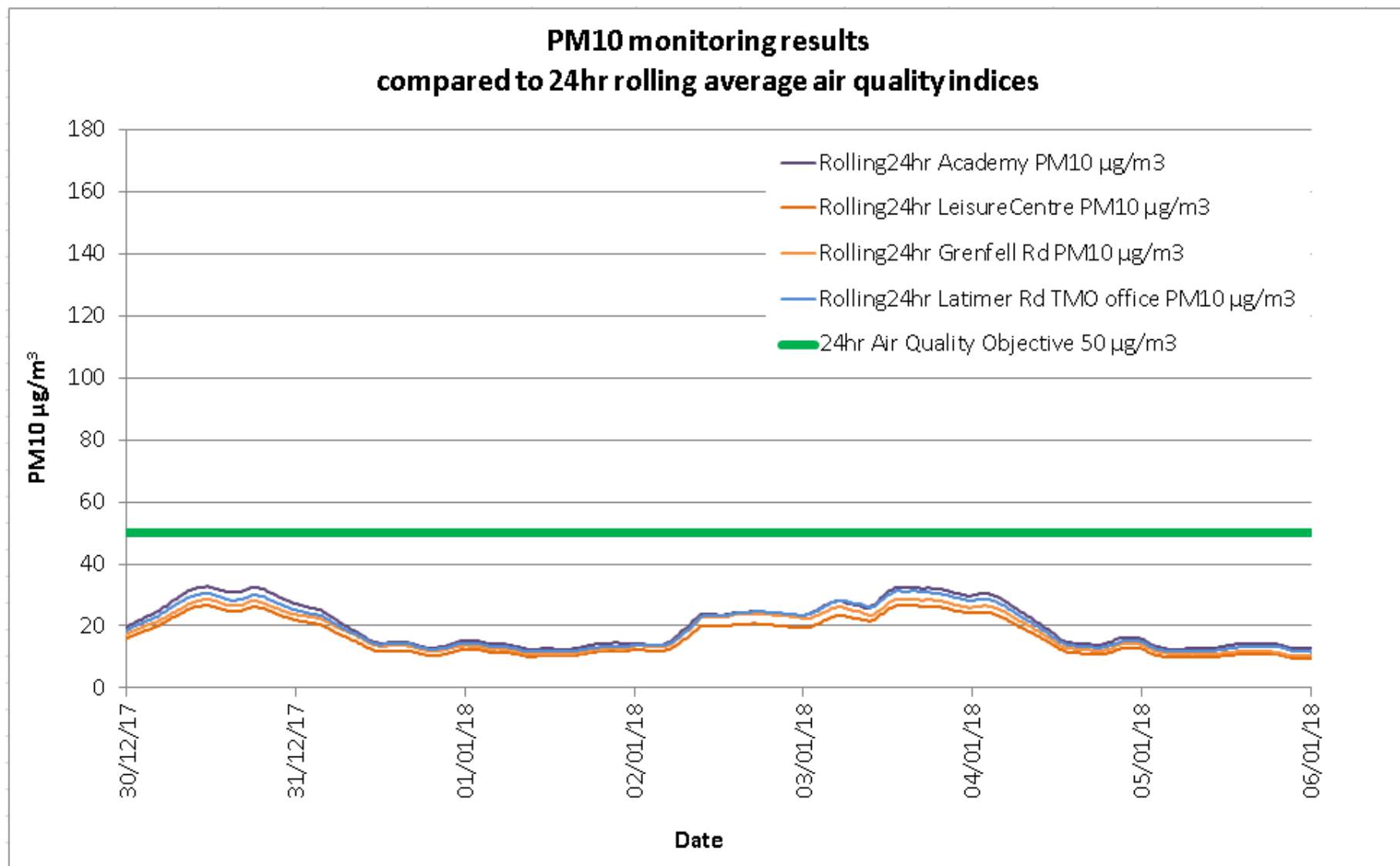


Figure 29

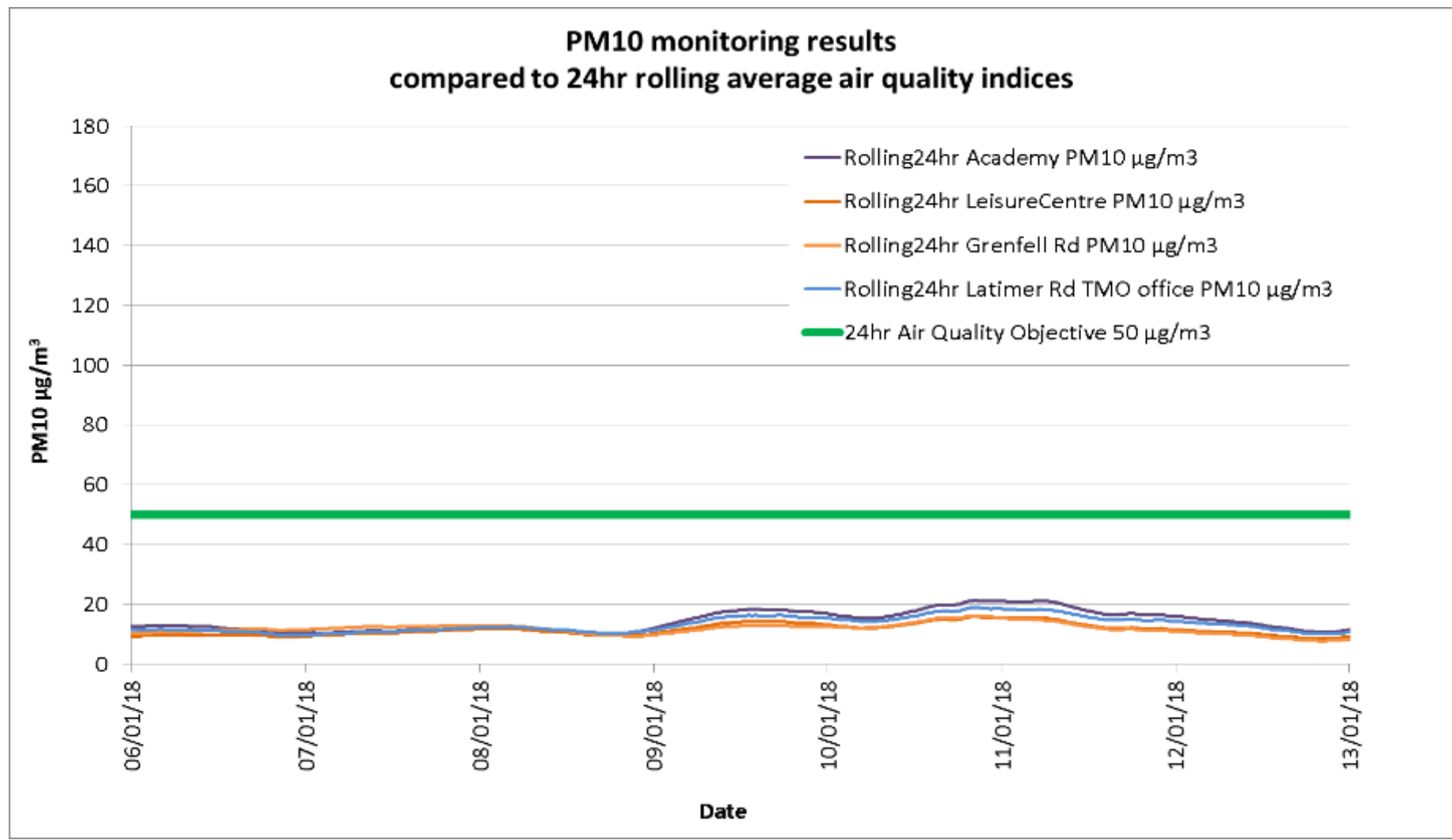




Figure 30

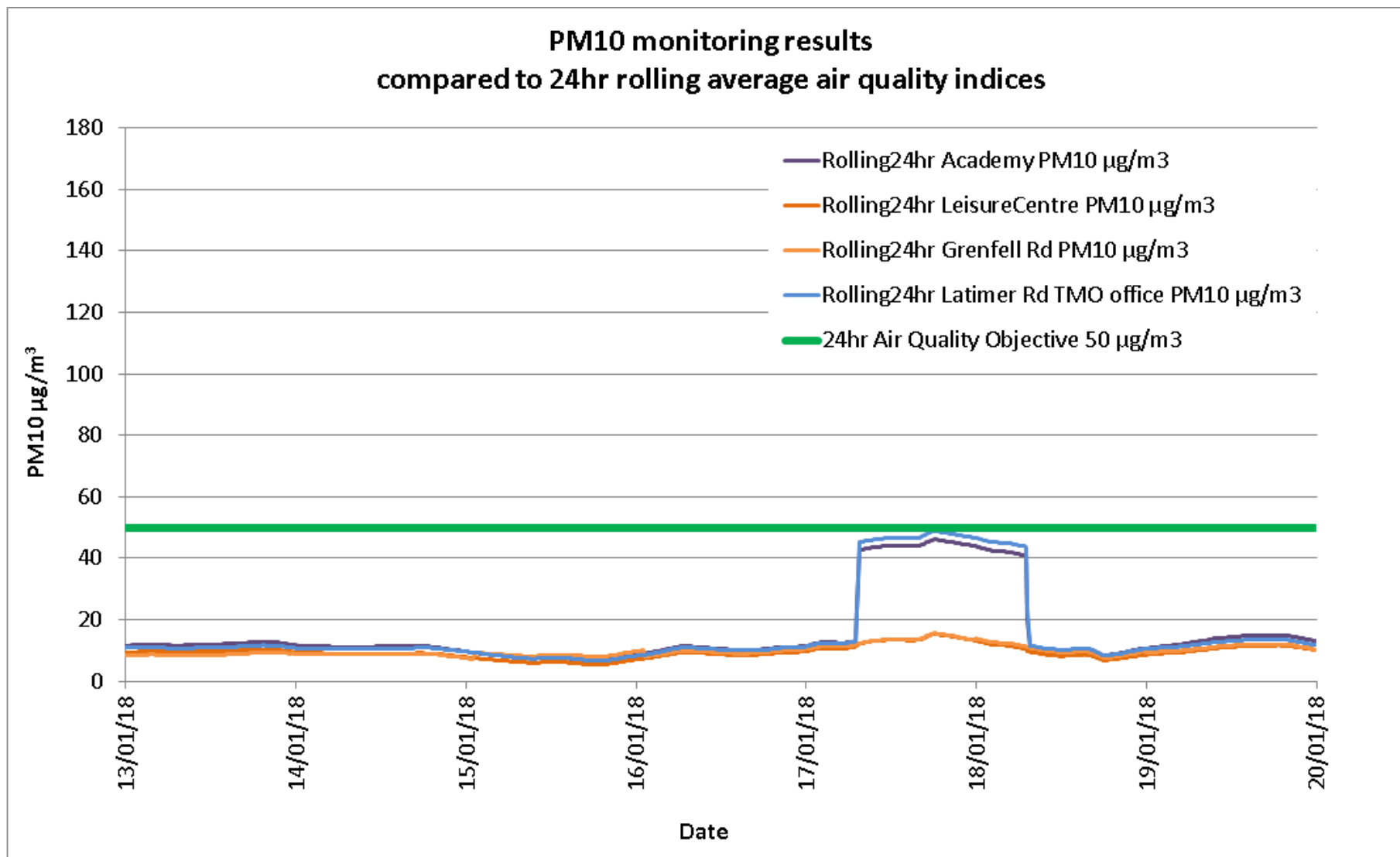


Figure 31

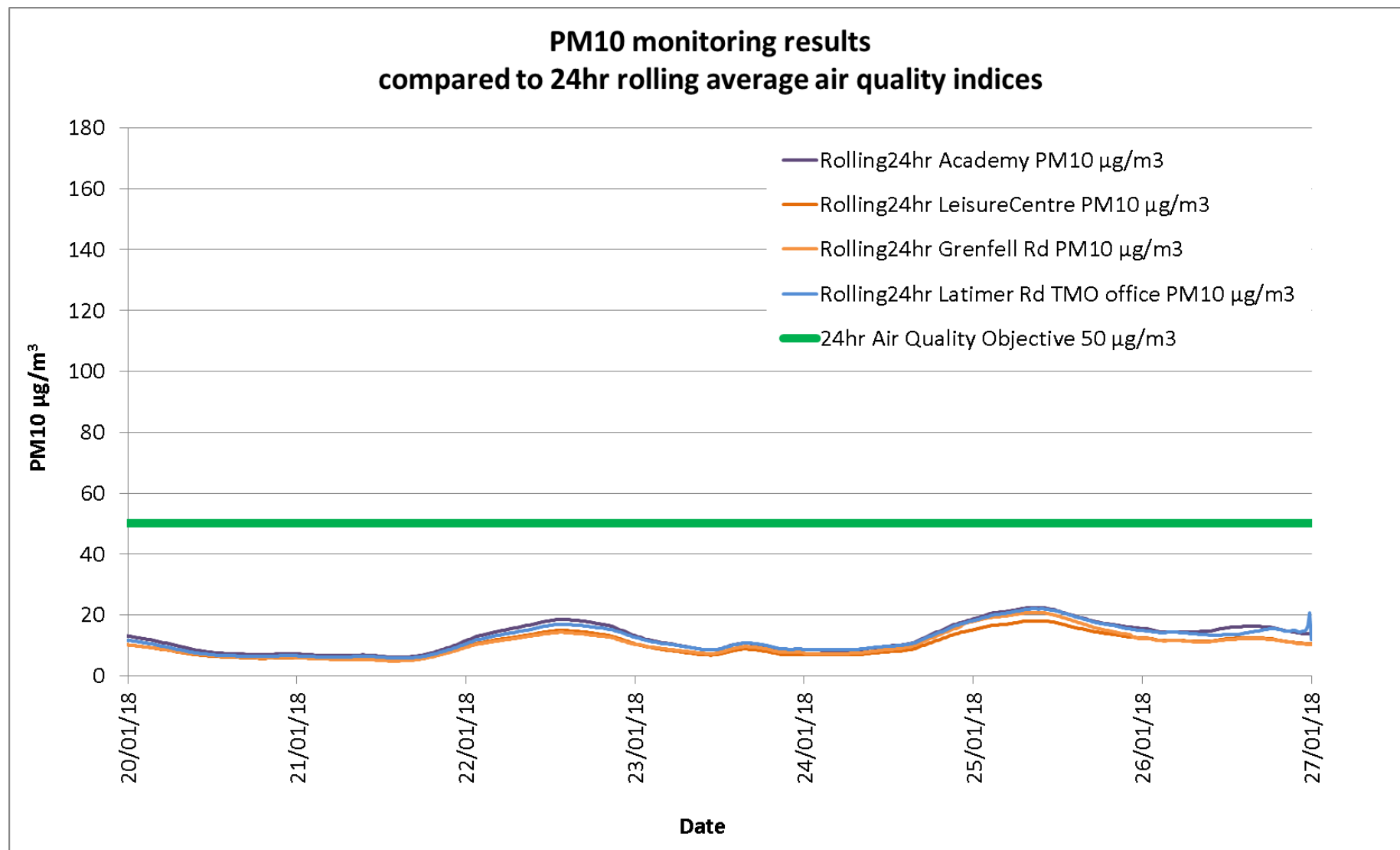


Figure 32

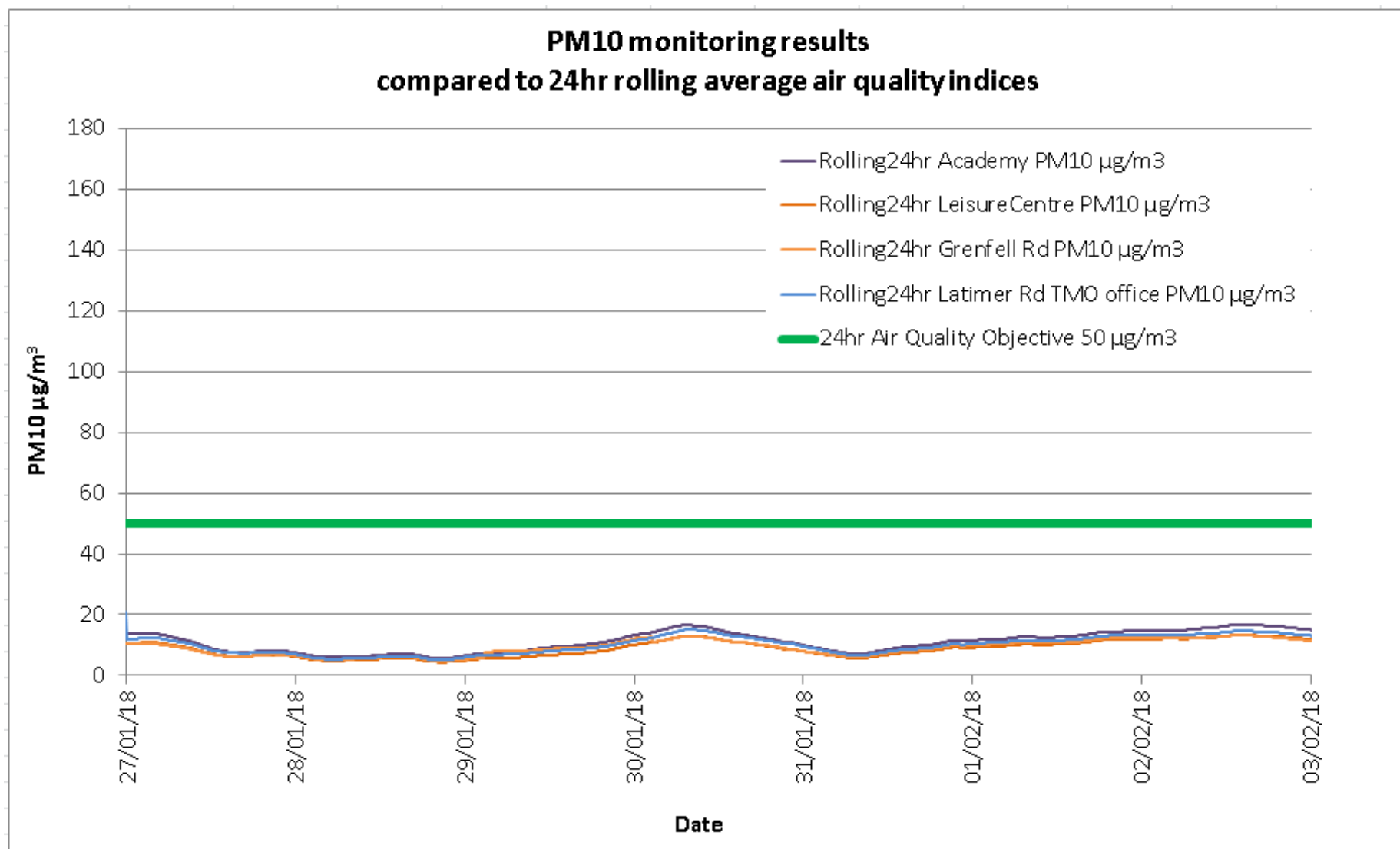


Figure 33

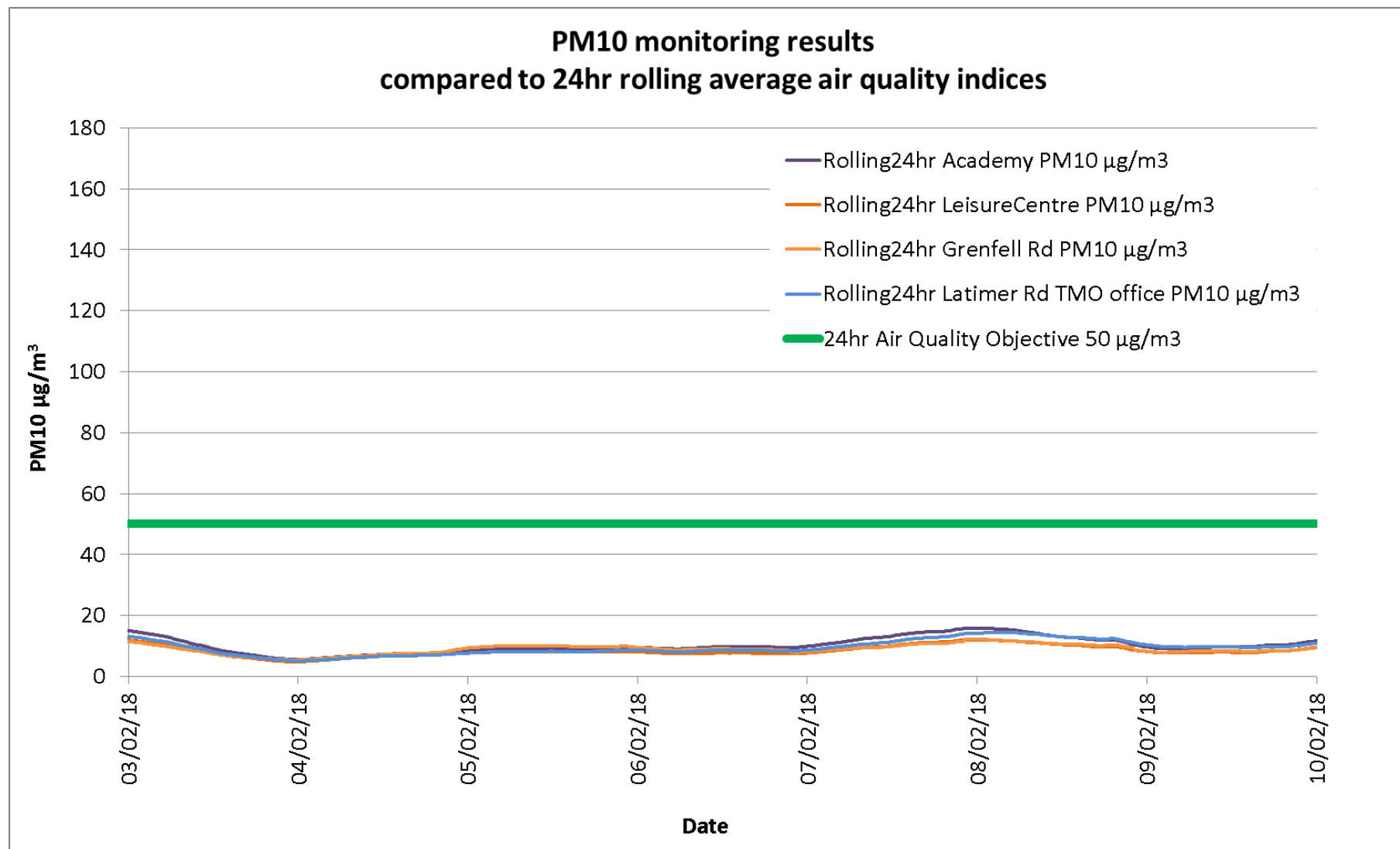


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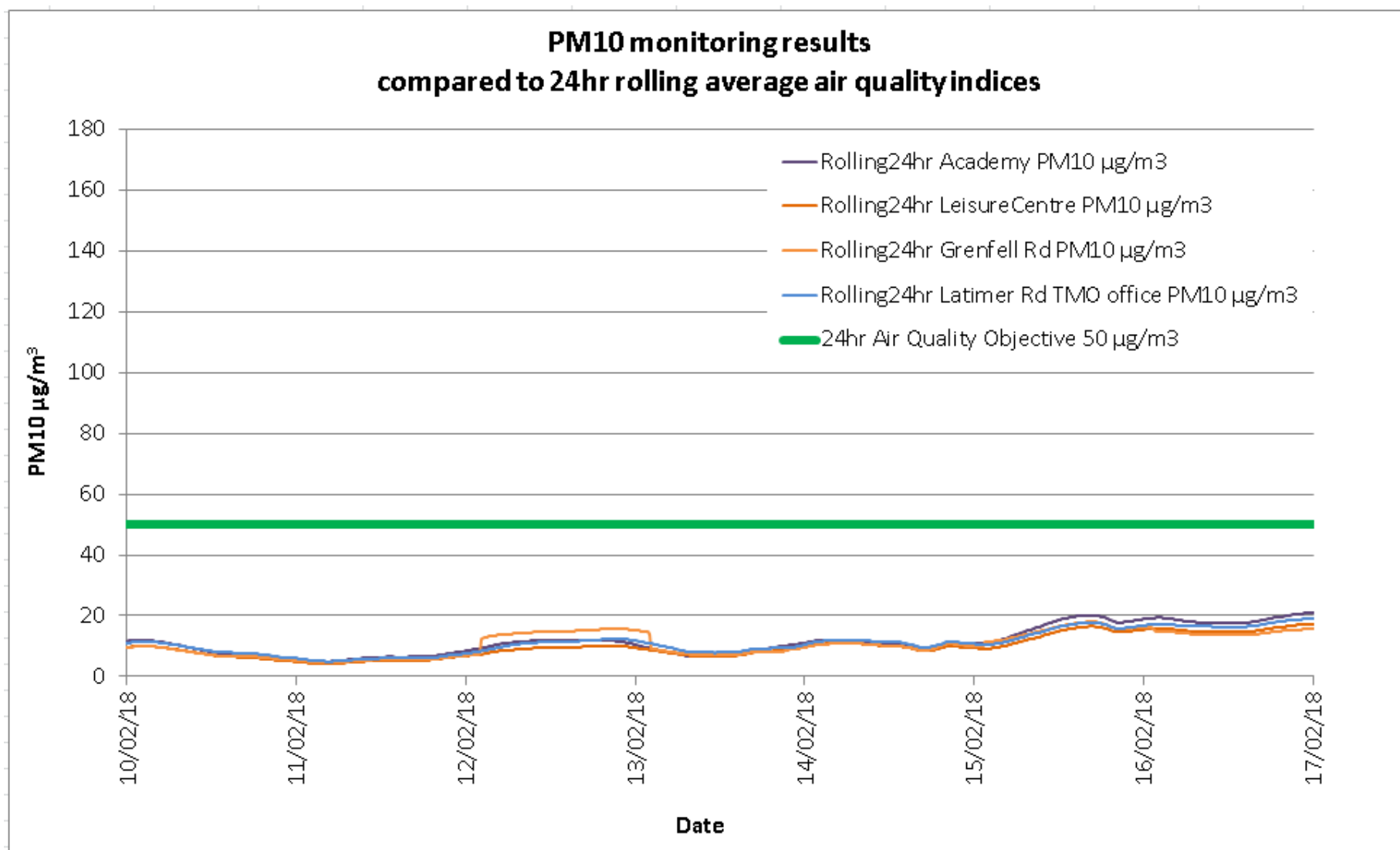


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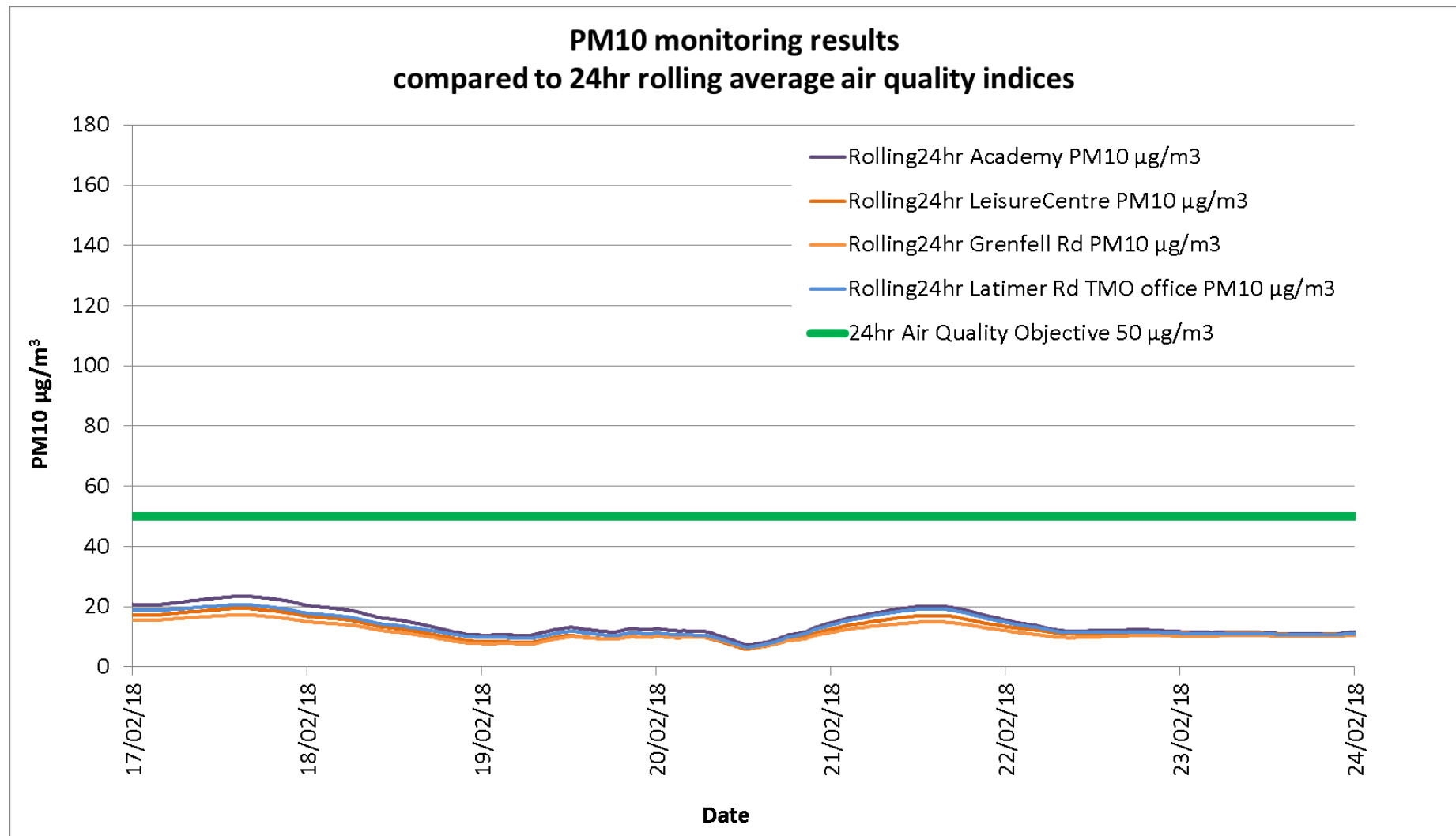


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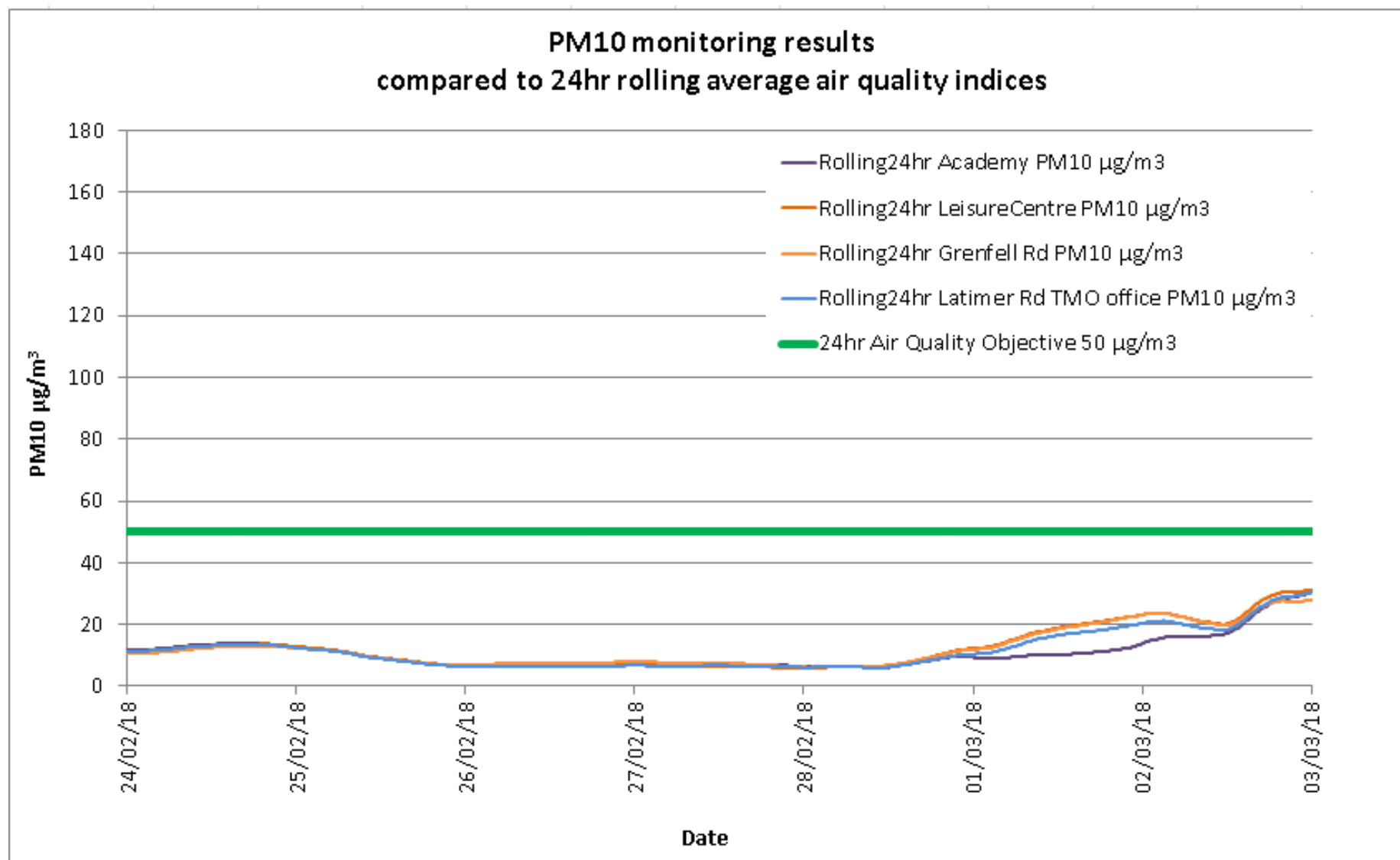


Figure 37

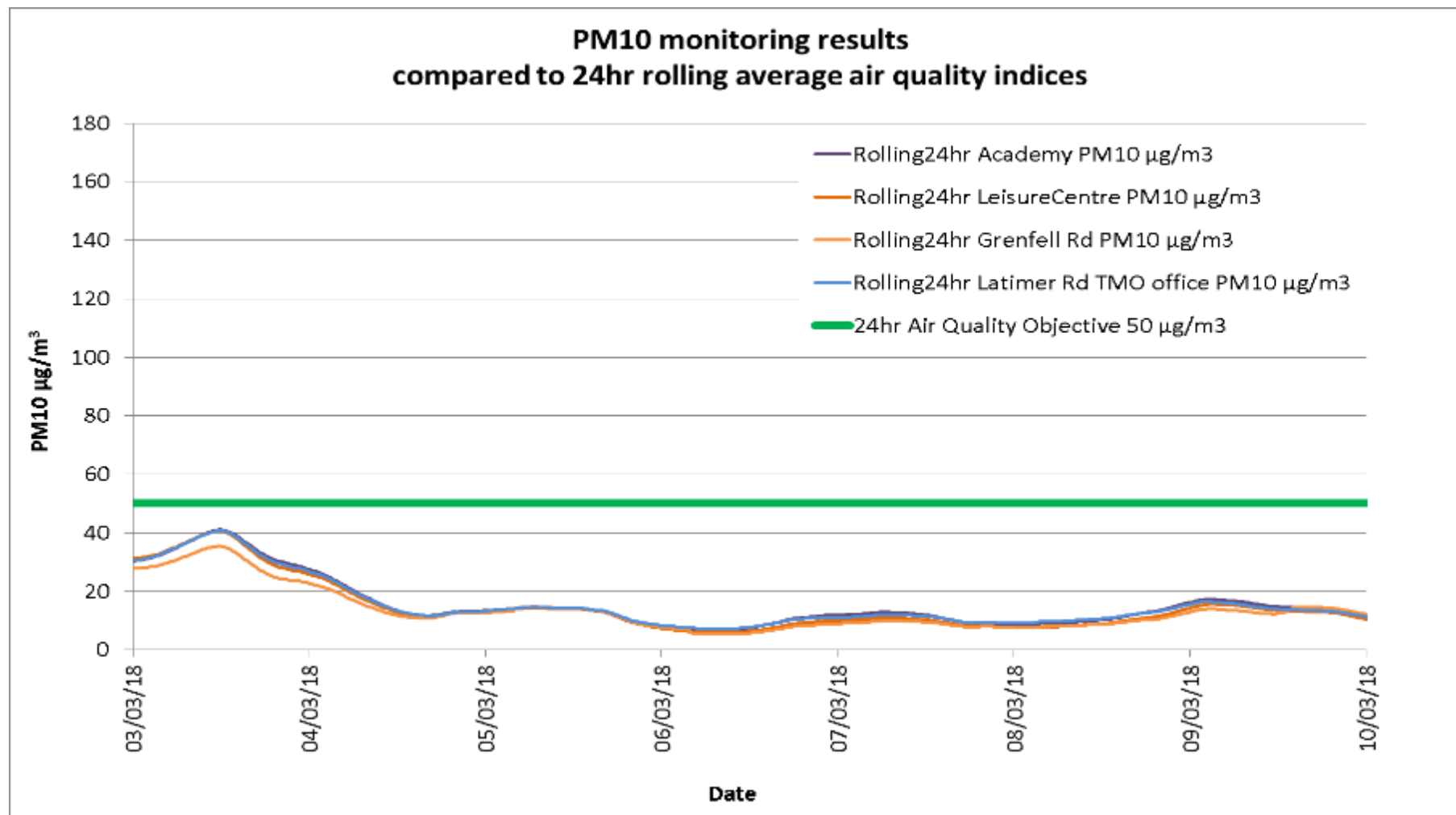




Figure 38

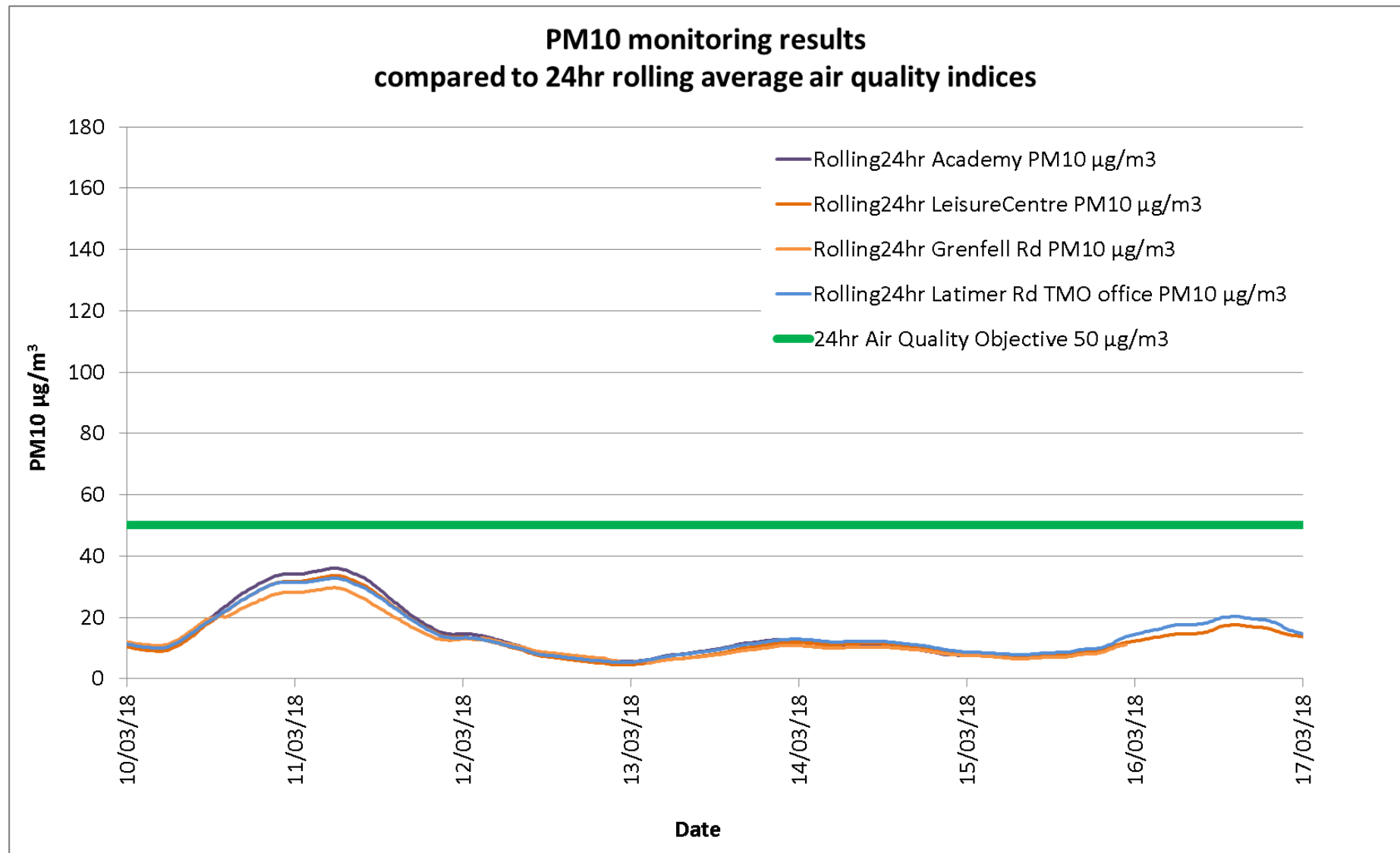


Figure 39

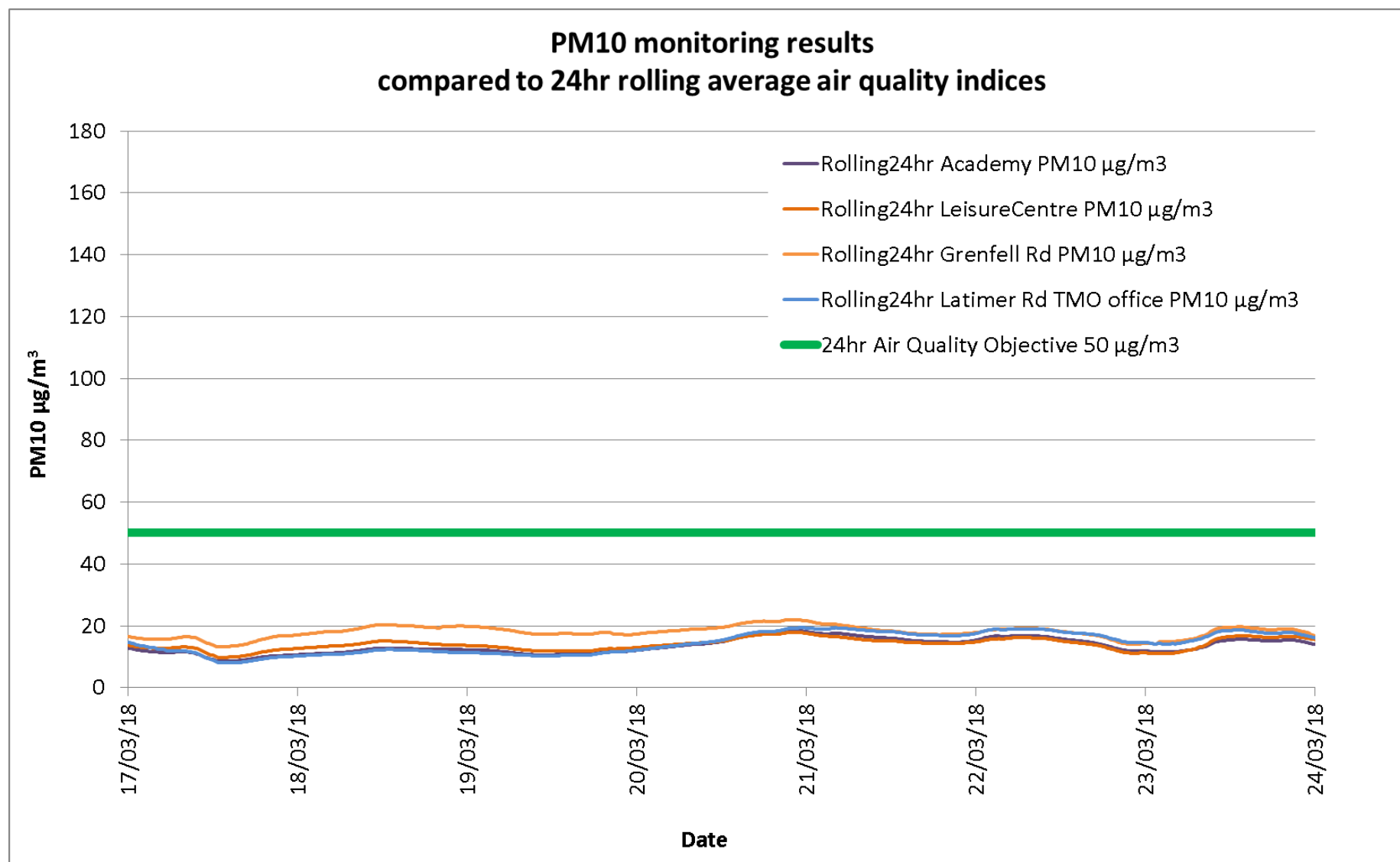


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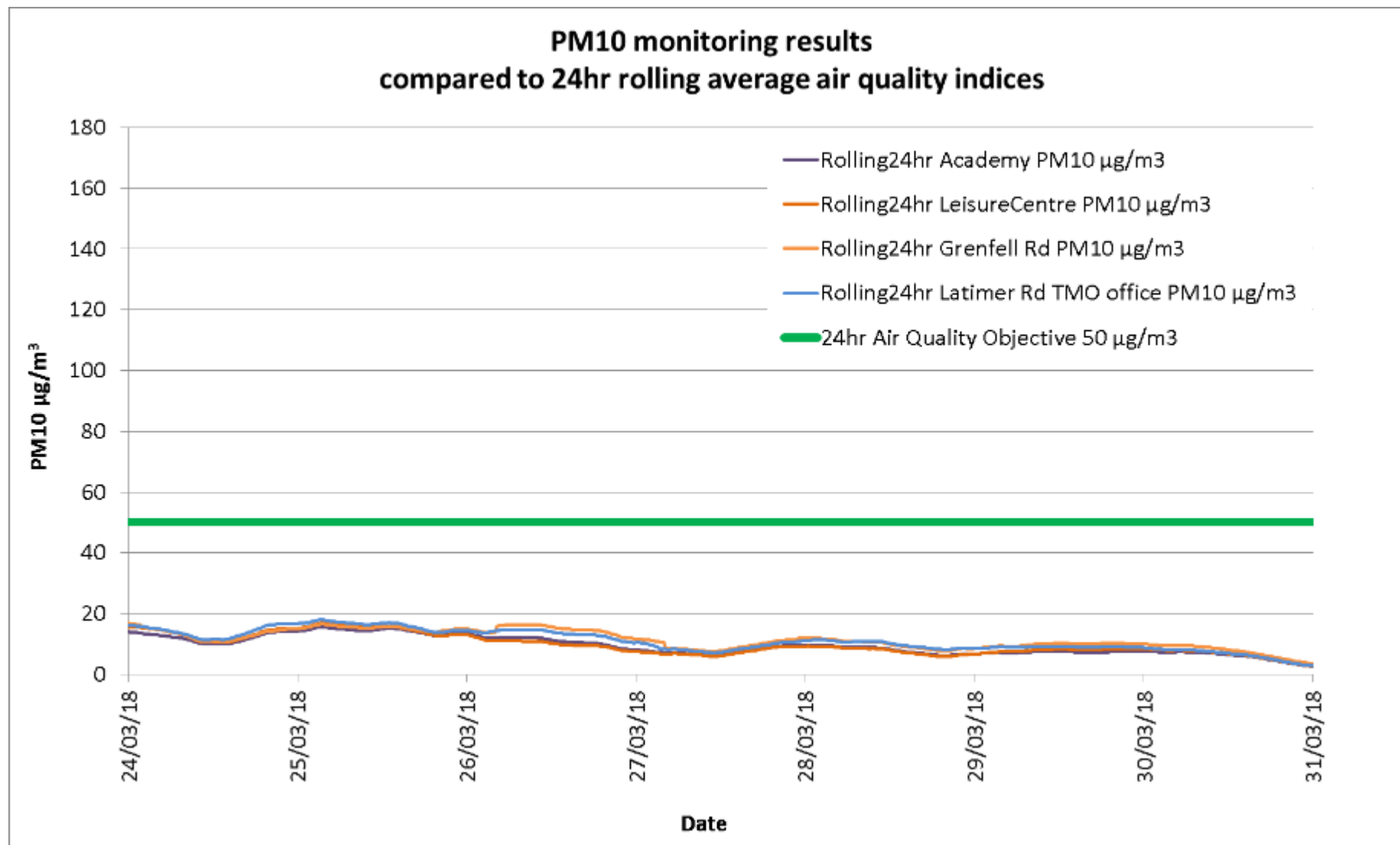


Figure 41

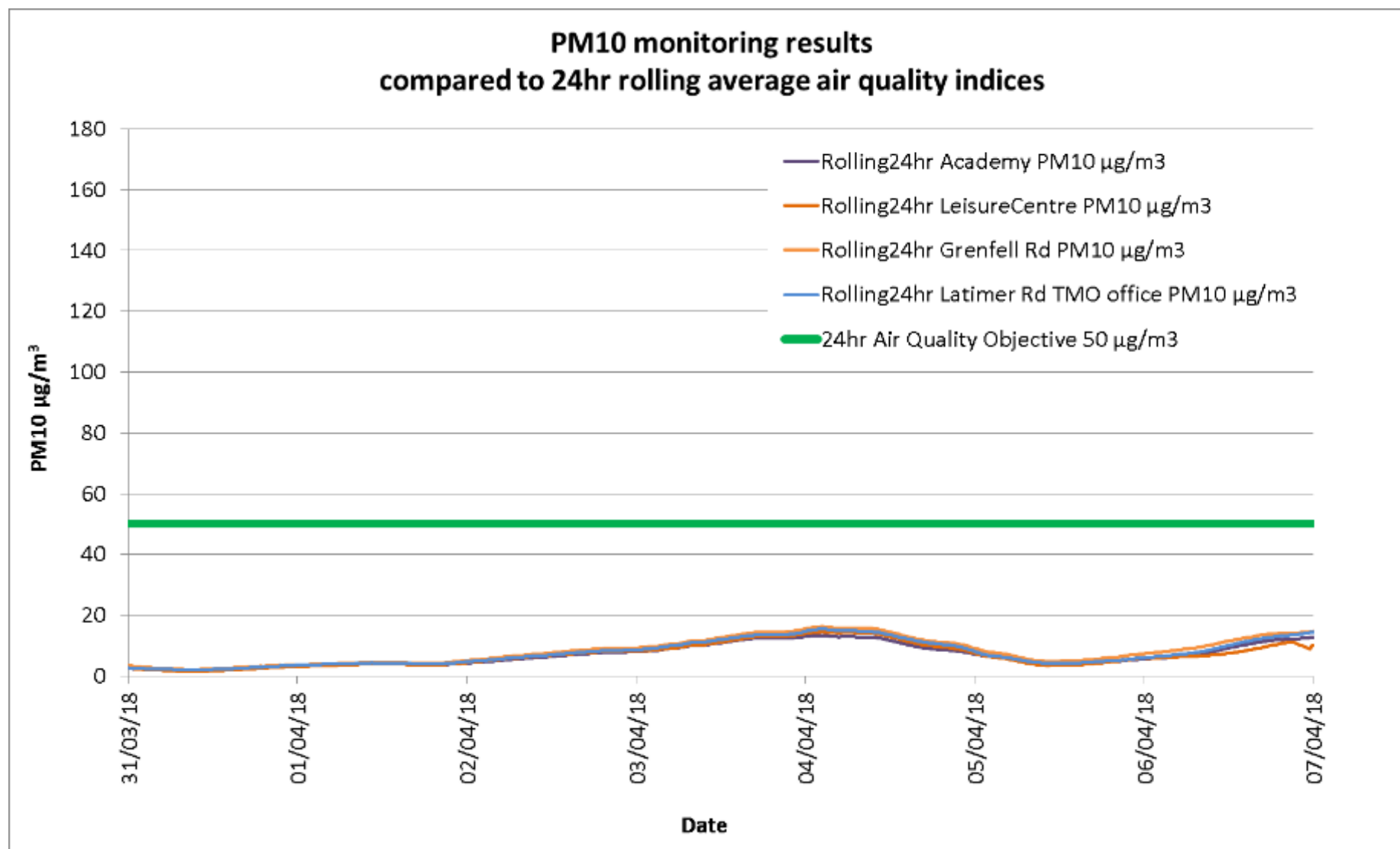


Figure 42

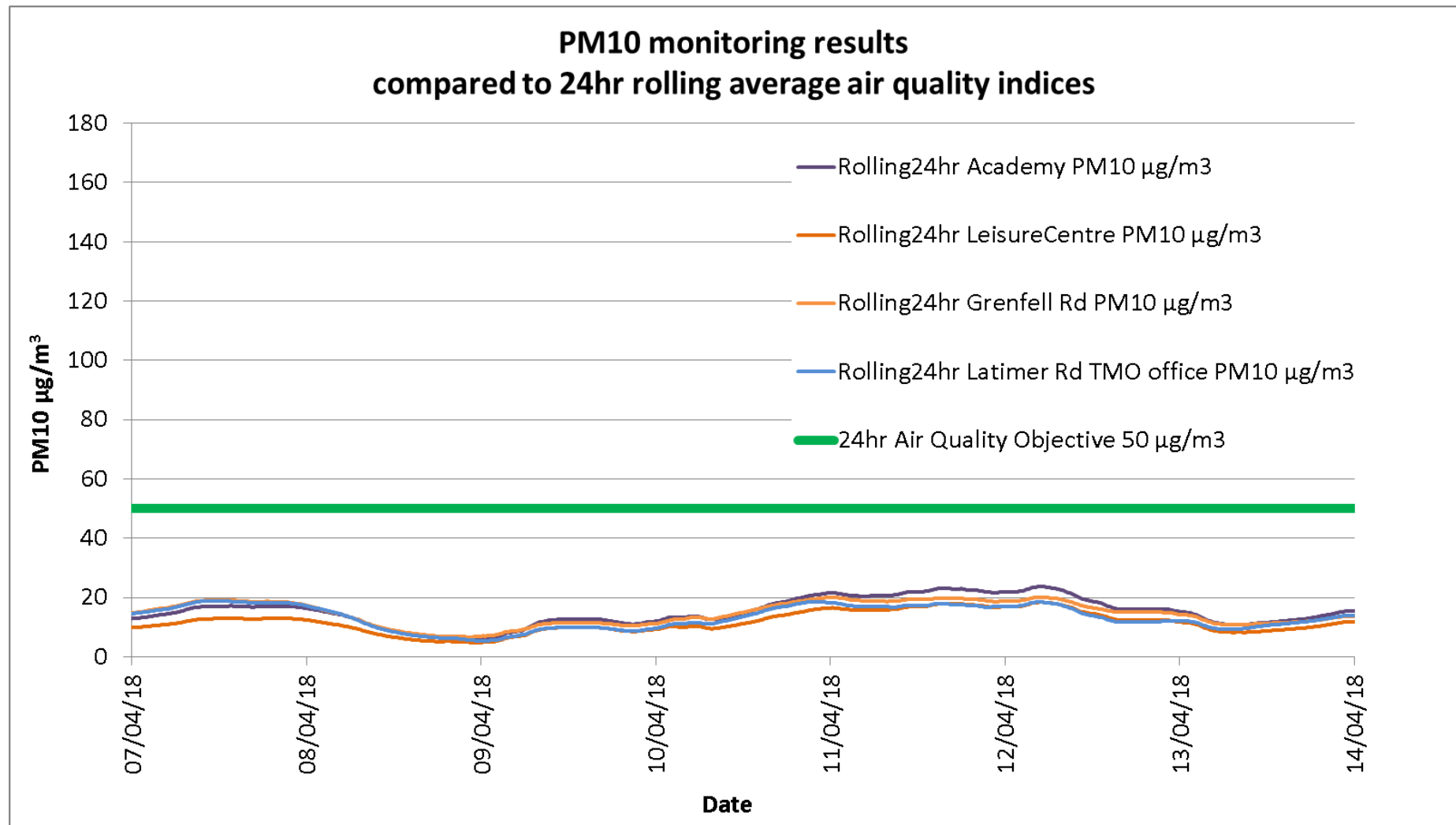


Figure 43

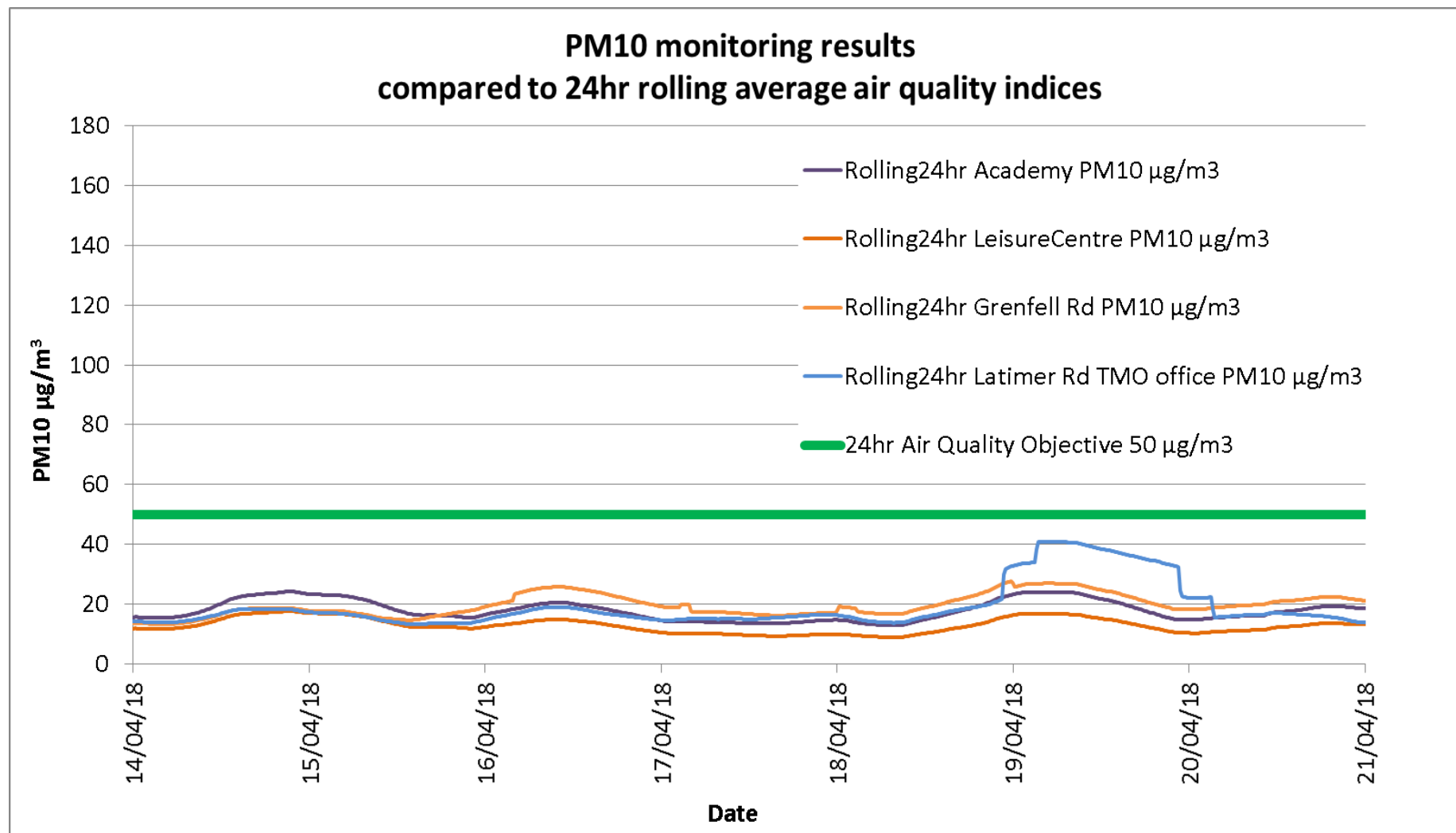


Figure 44

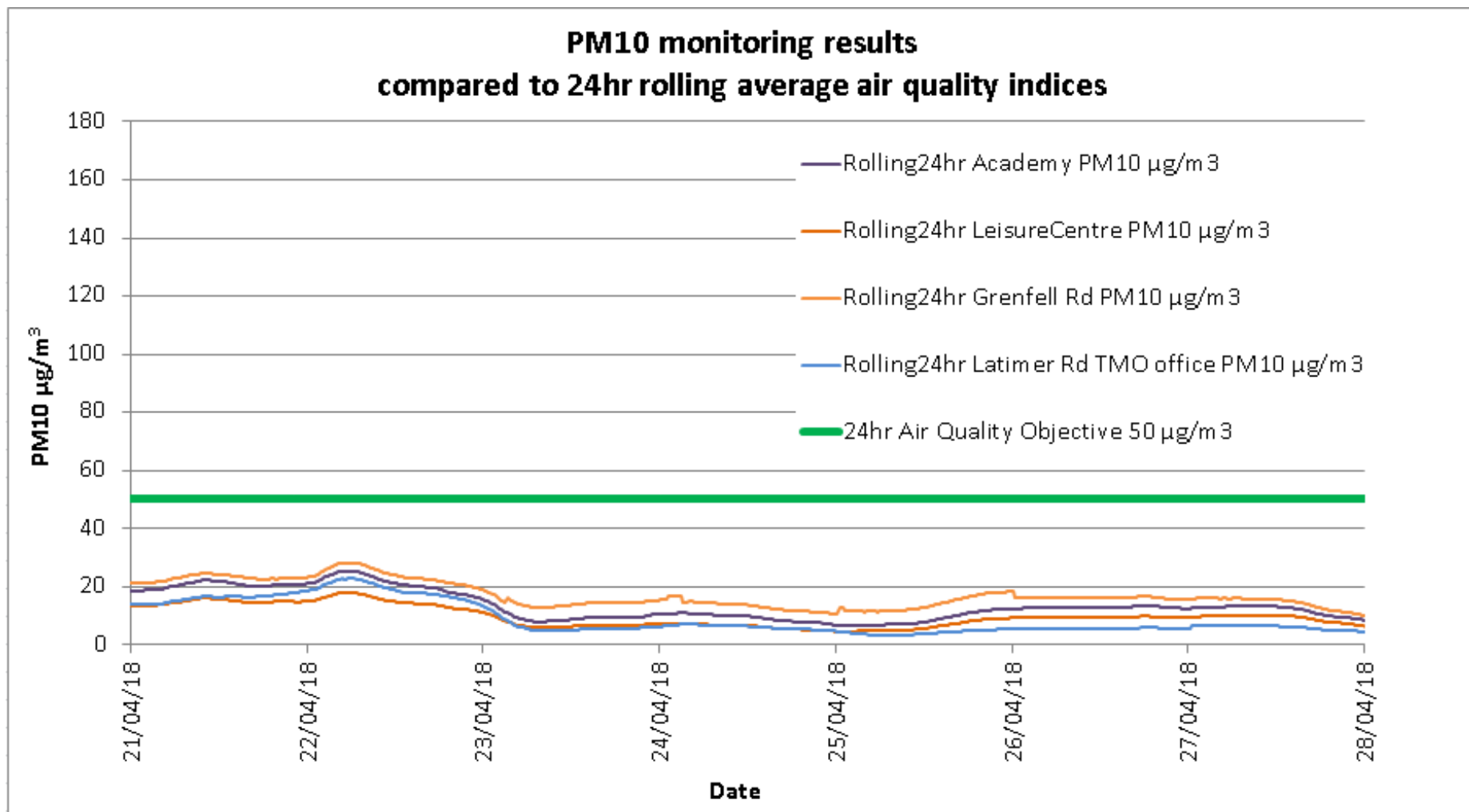


Figure 45

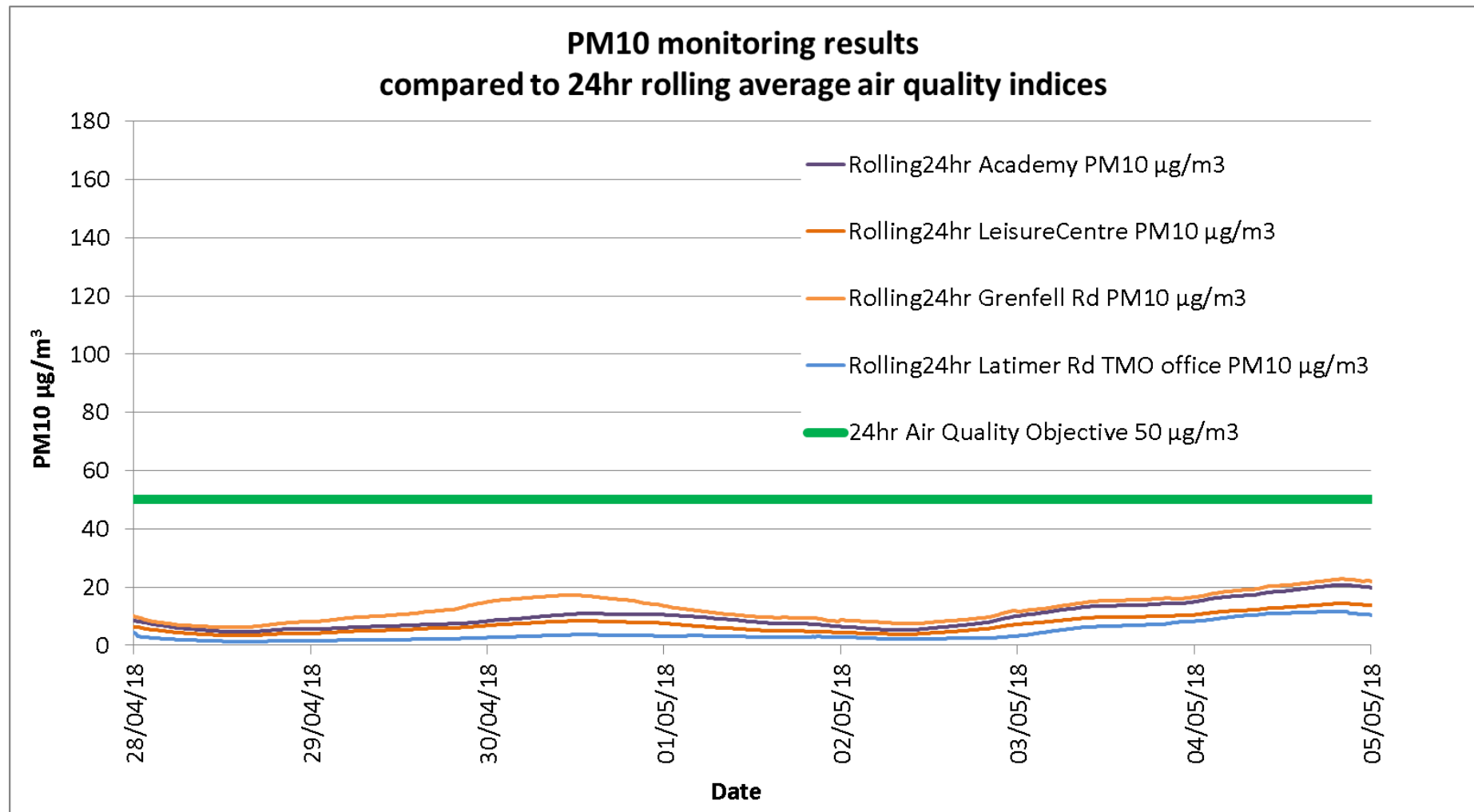




Figure 46

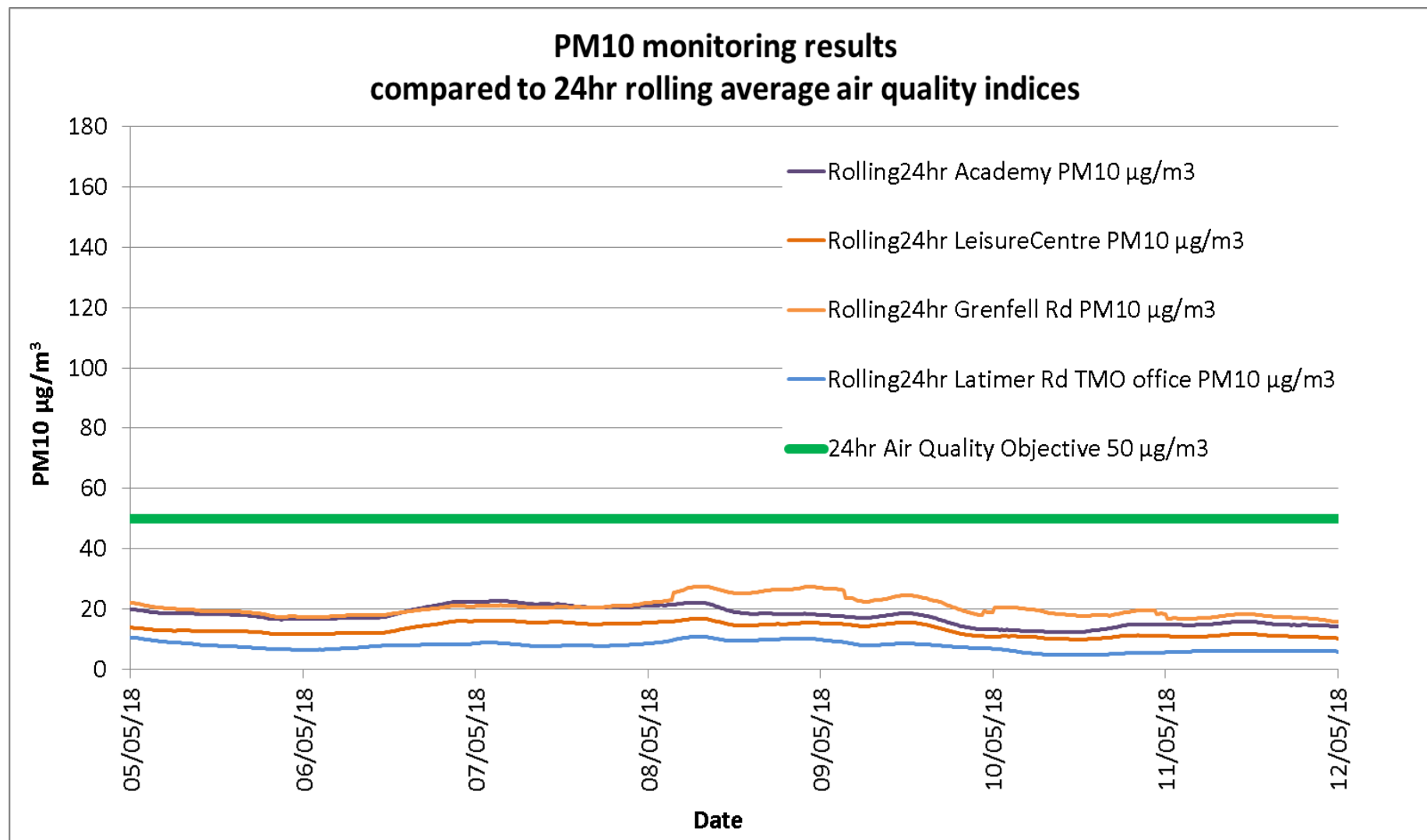


Figure 47

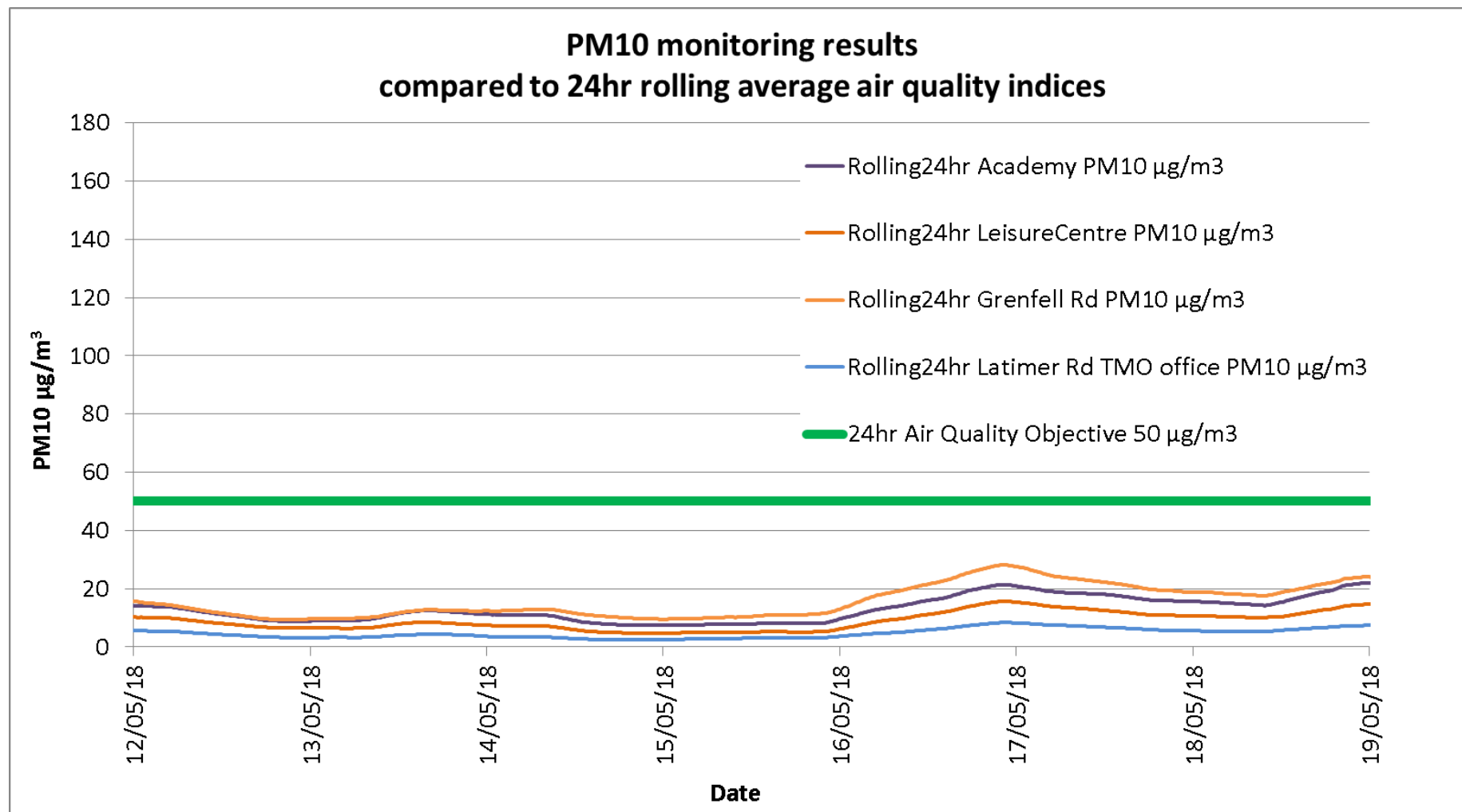


Figure 48

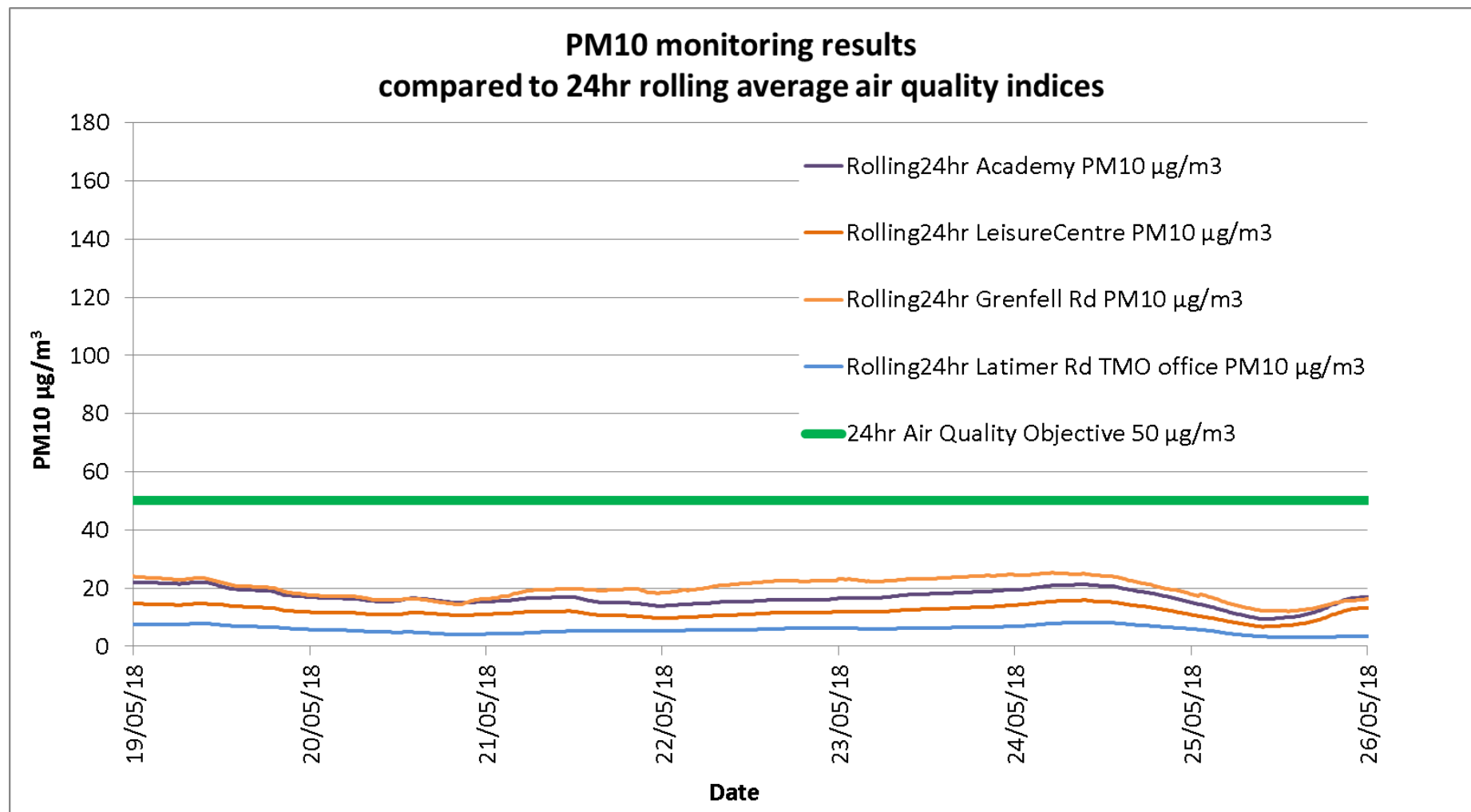


Figure 49

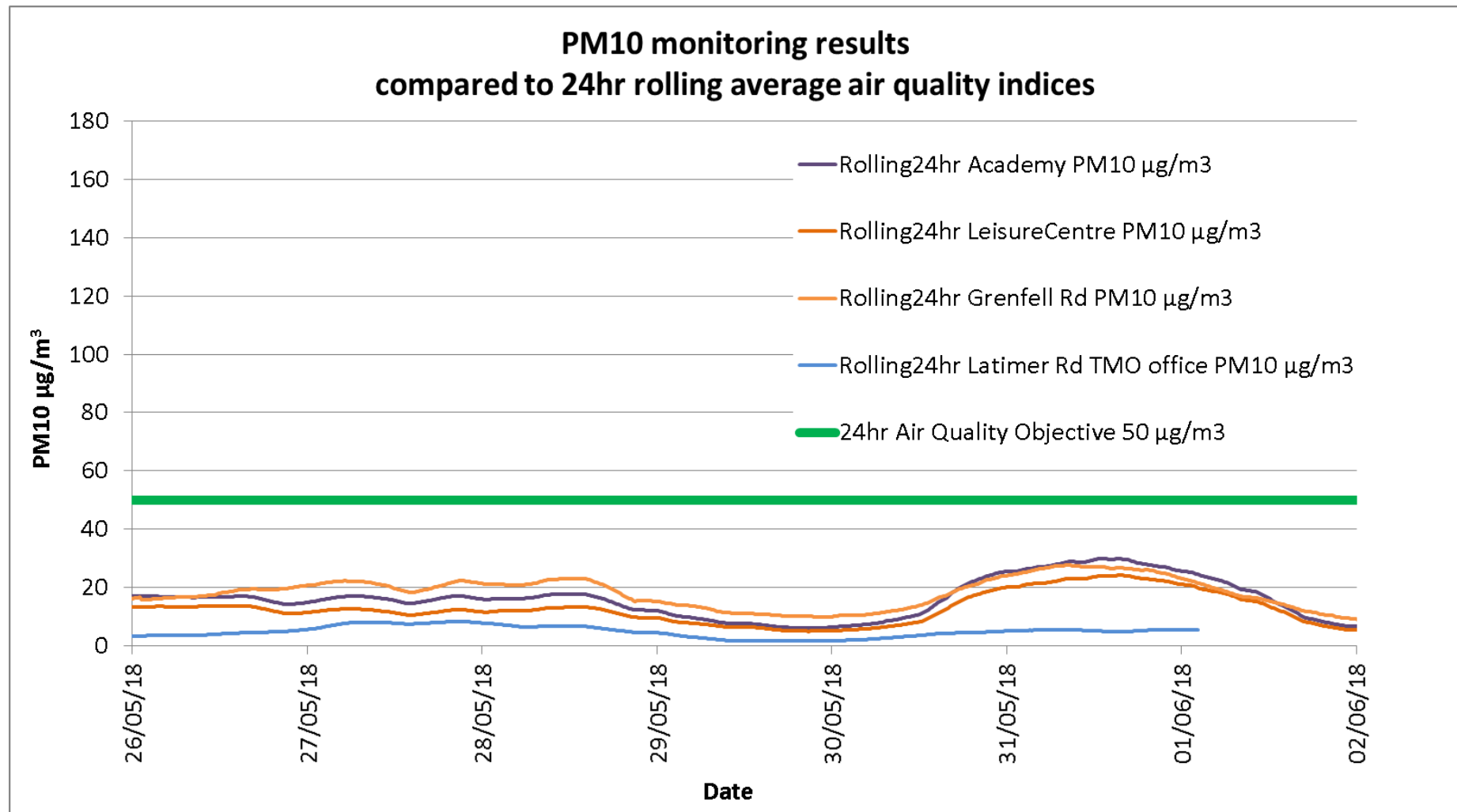


Figure 50

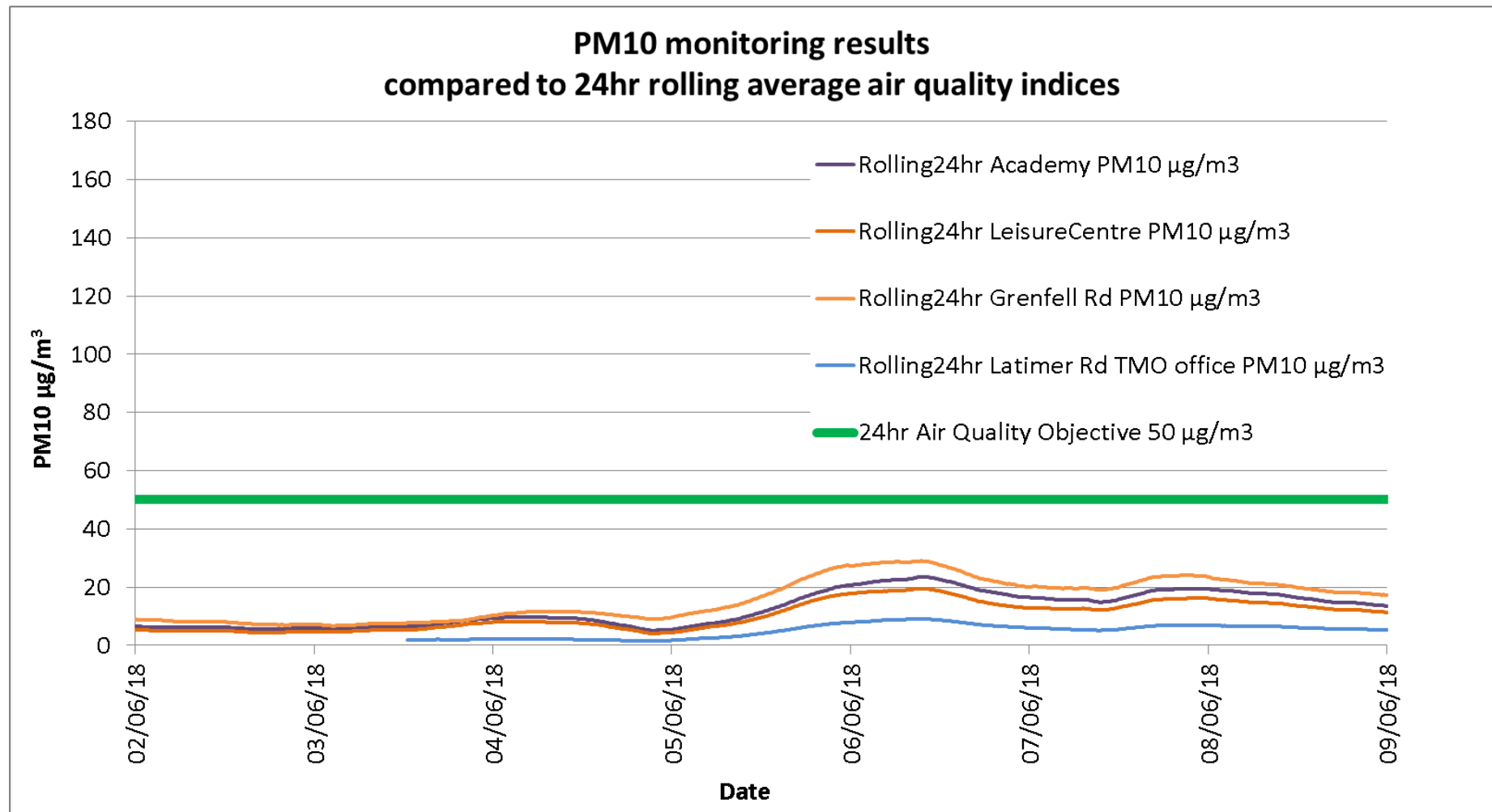


Figure 51

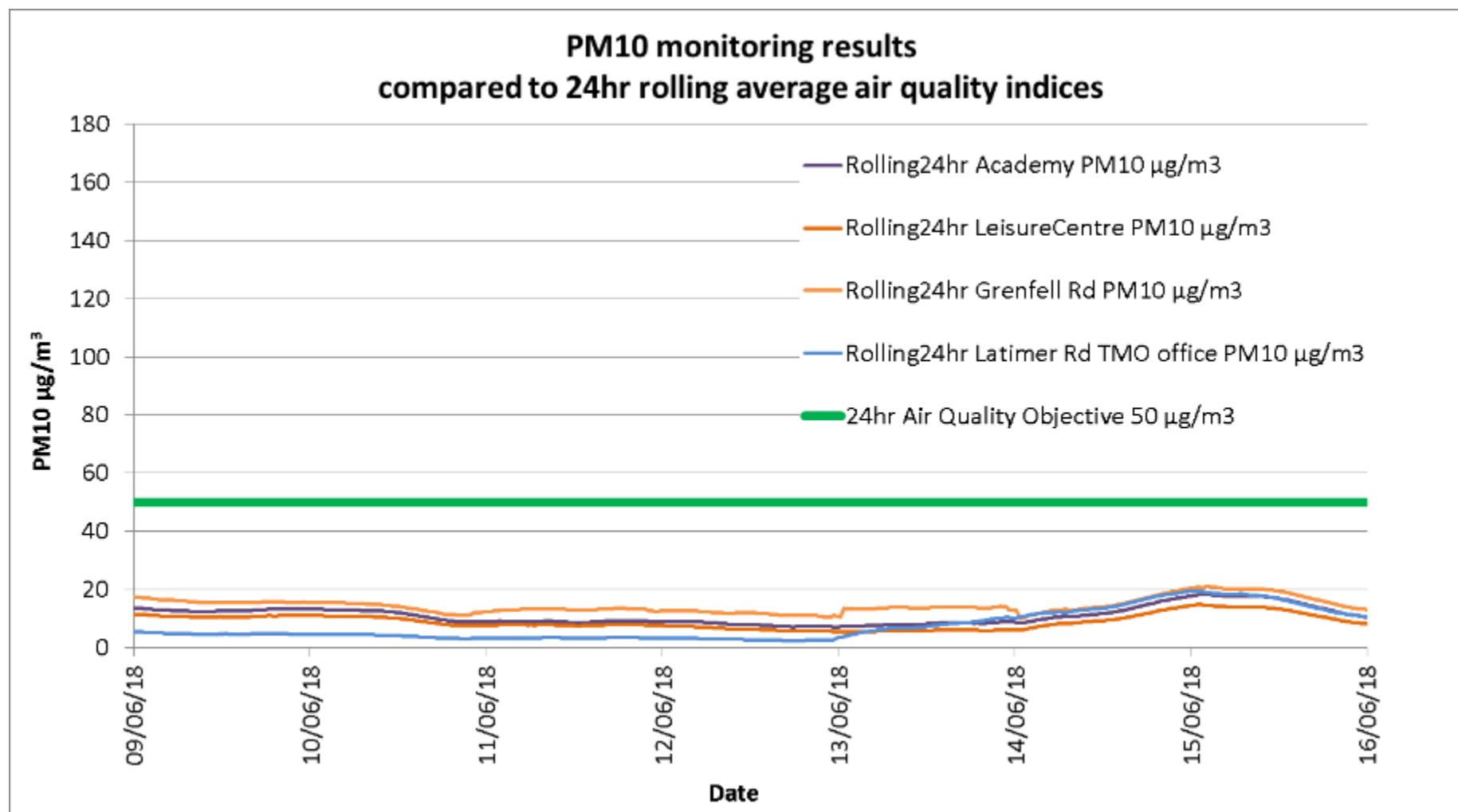


Figure 52

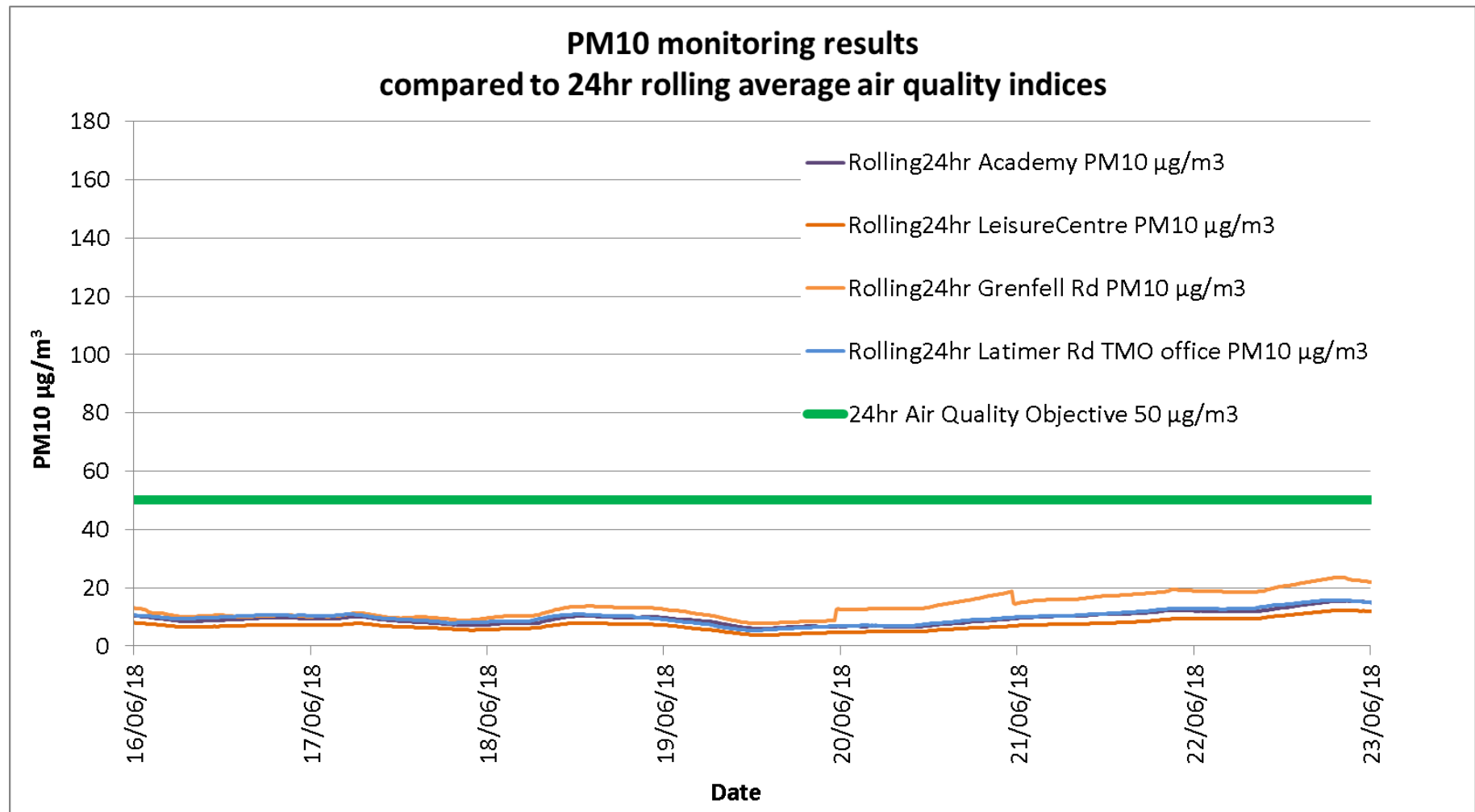


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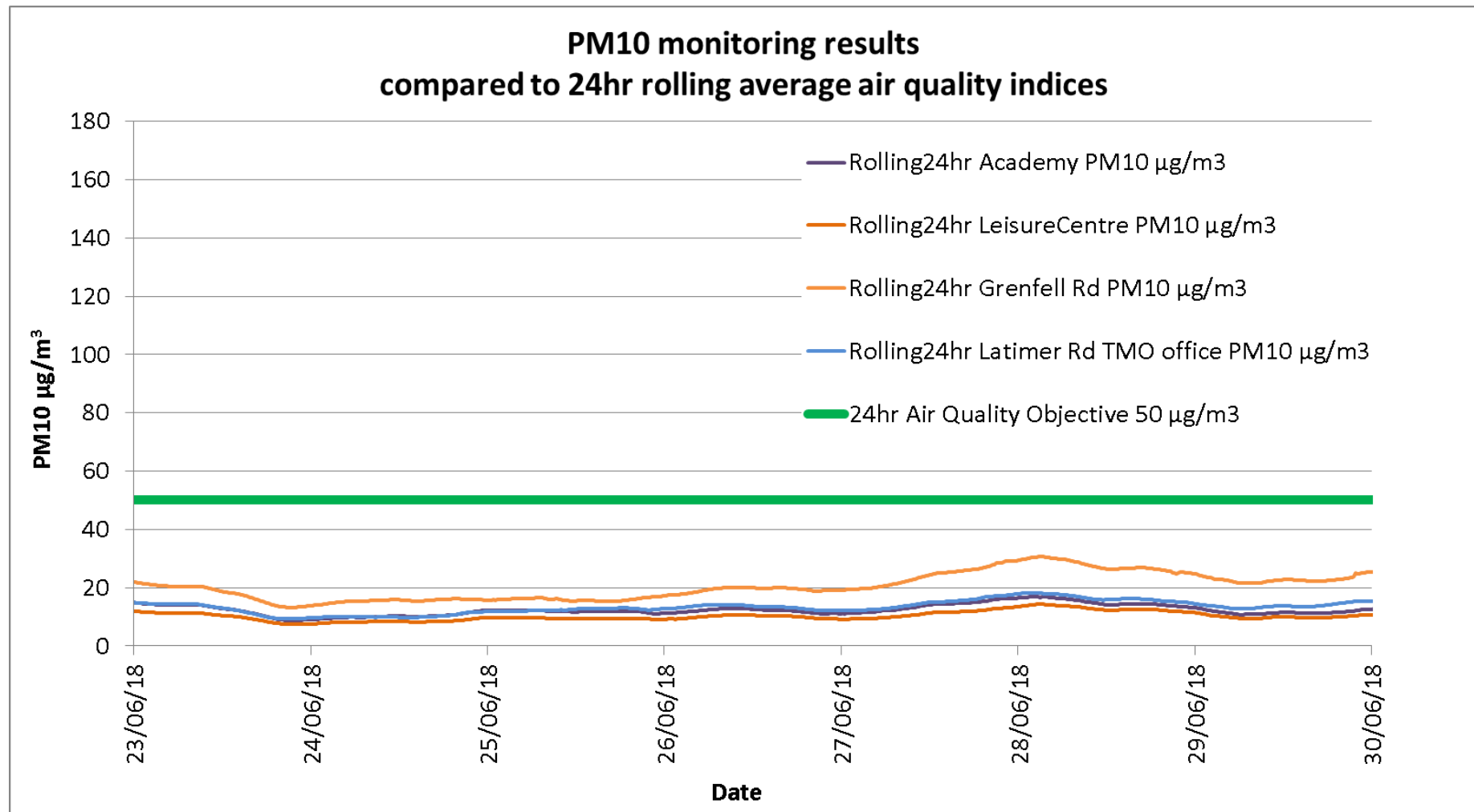




Figure 54

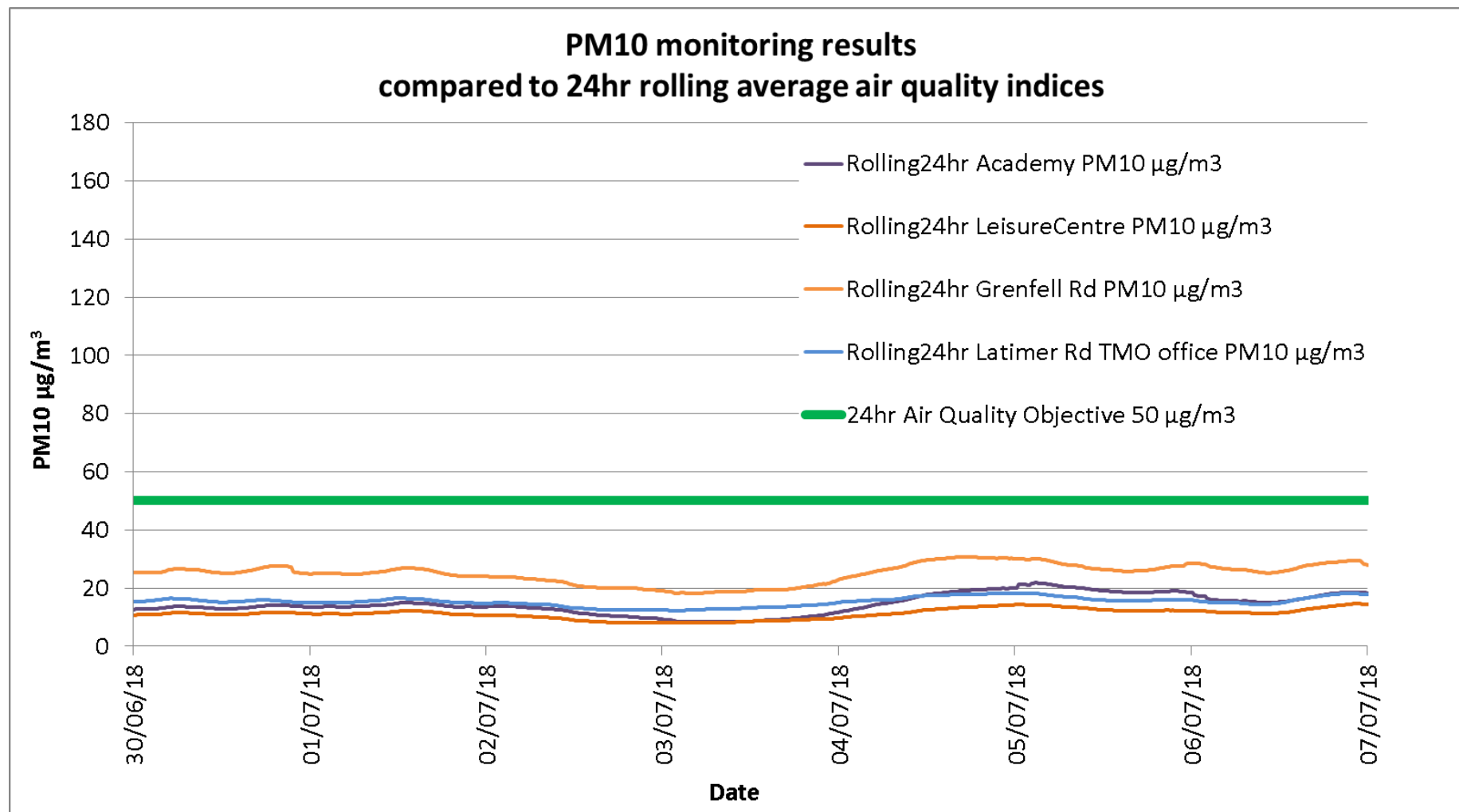


Figure 55

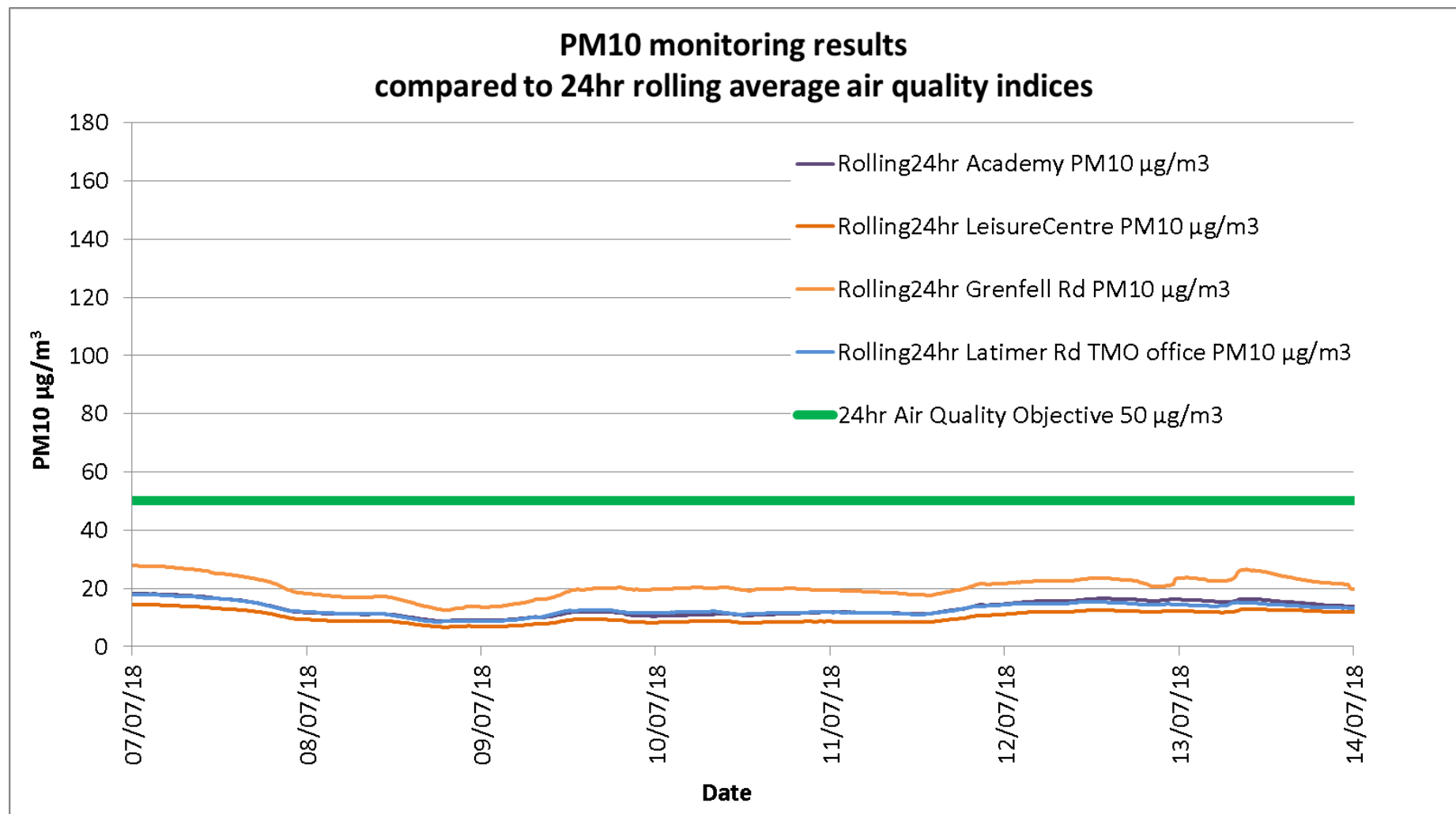


Figure 56

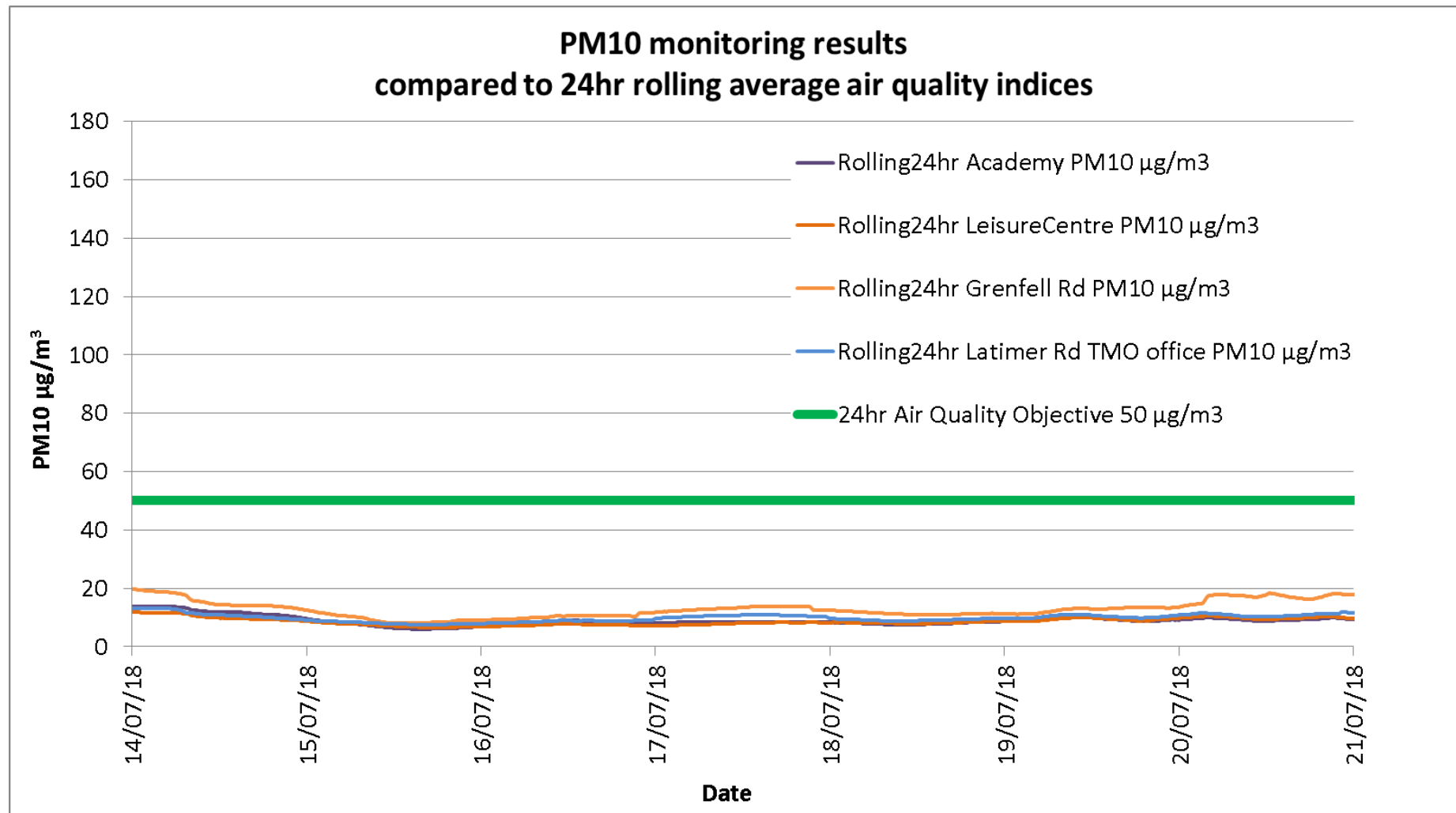


Figure 57

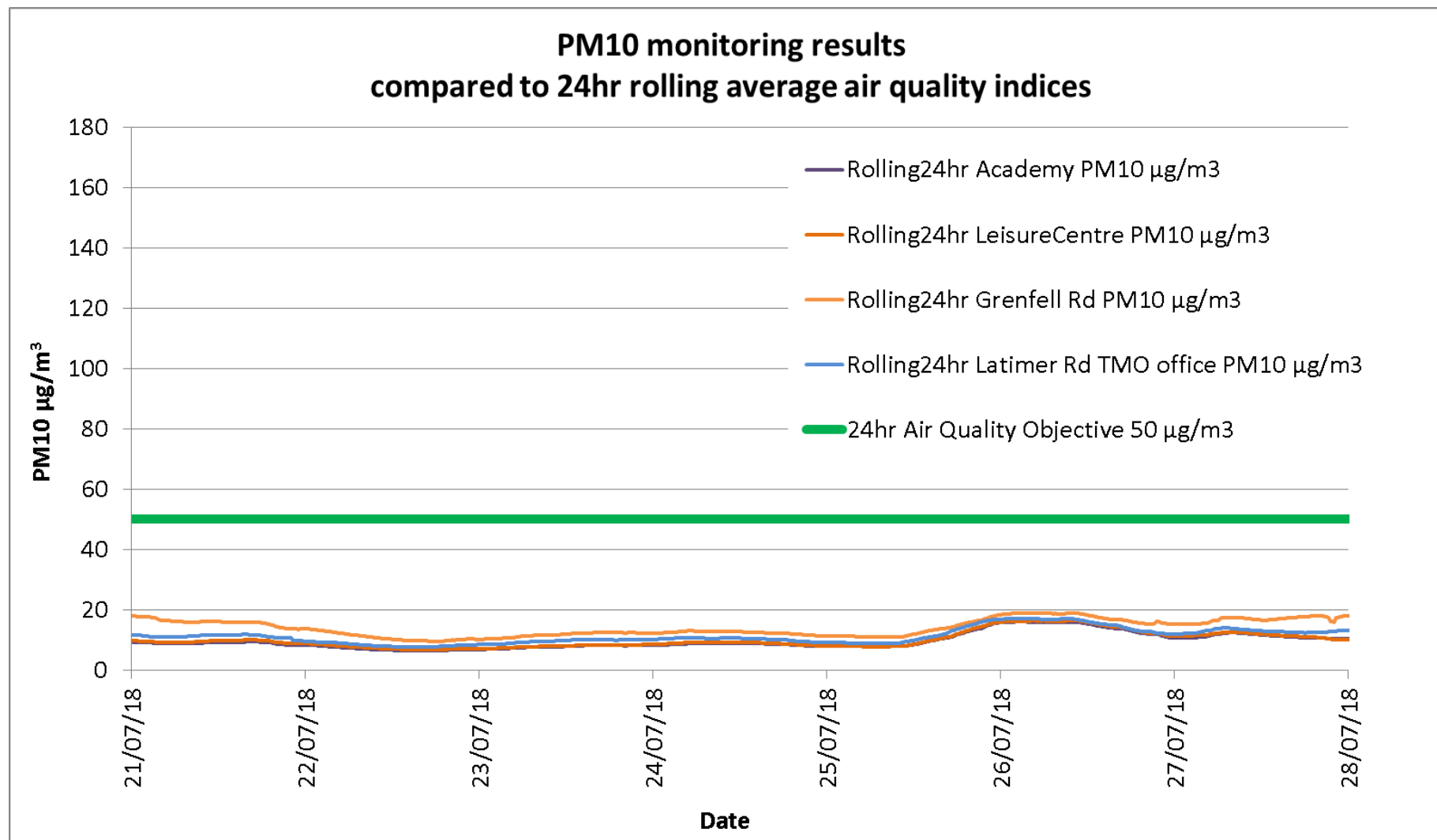


Figure 58

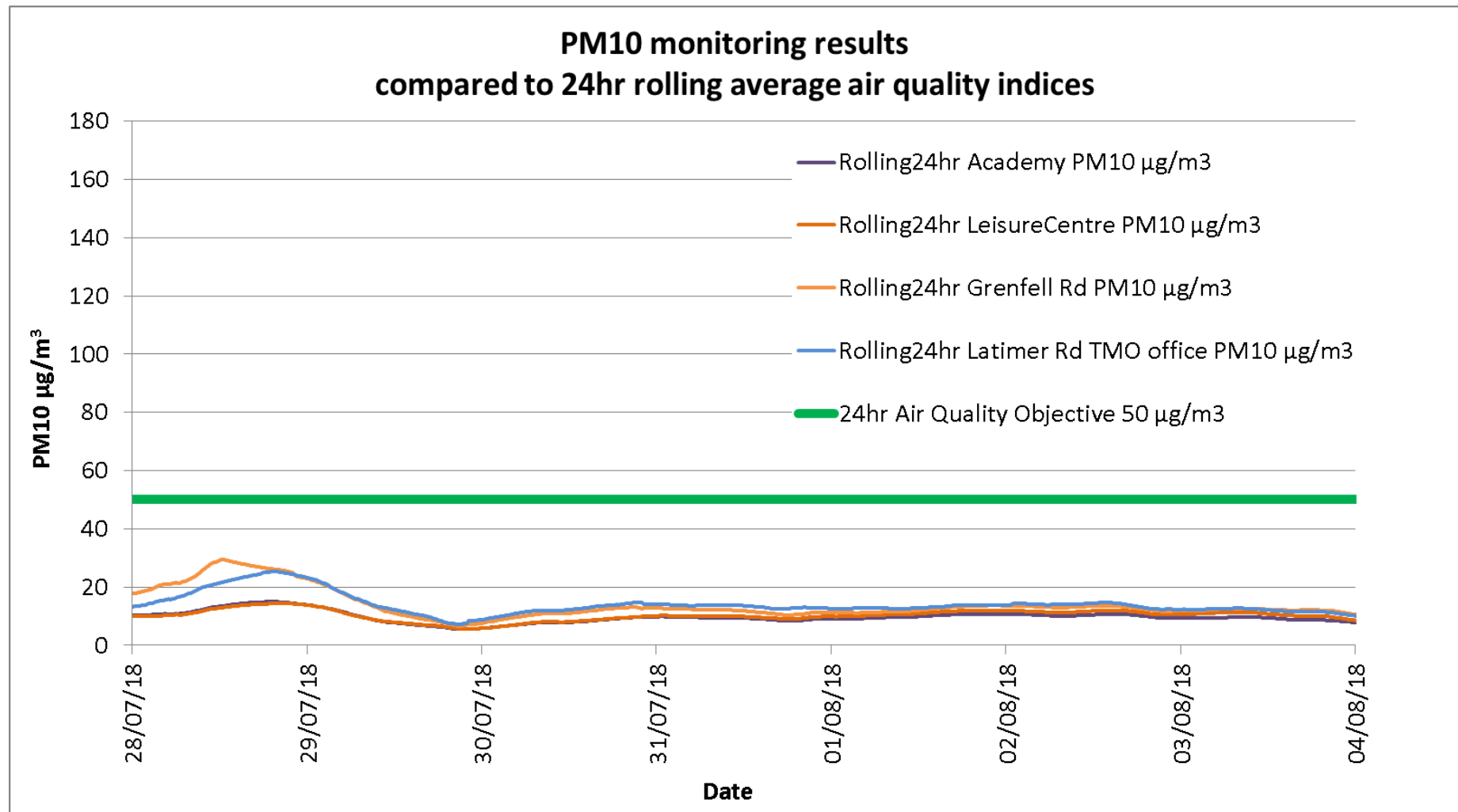


Figure 59

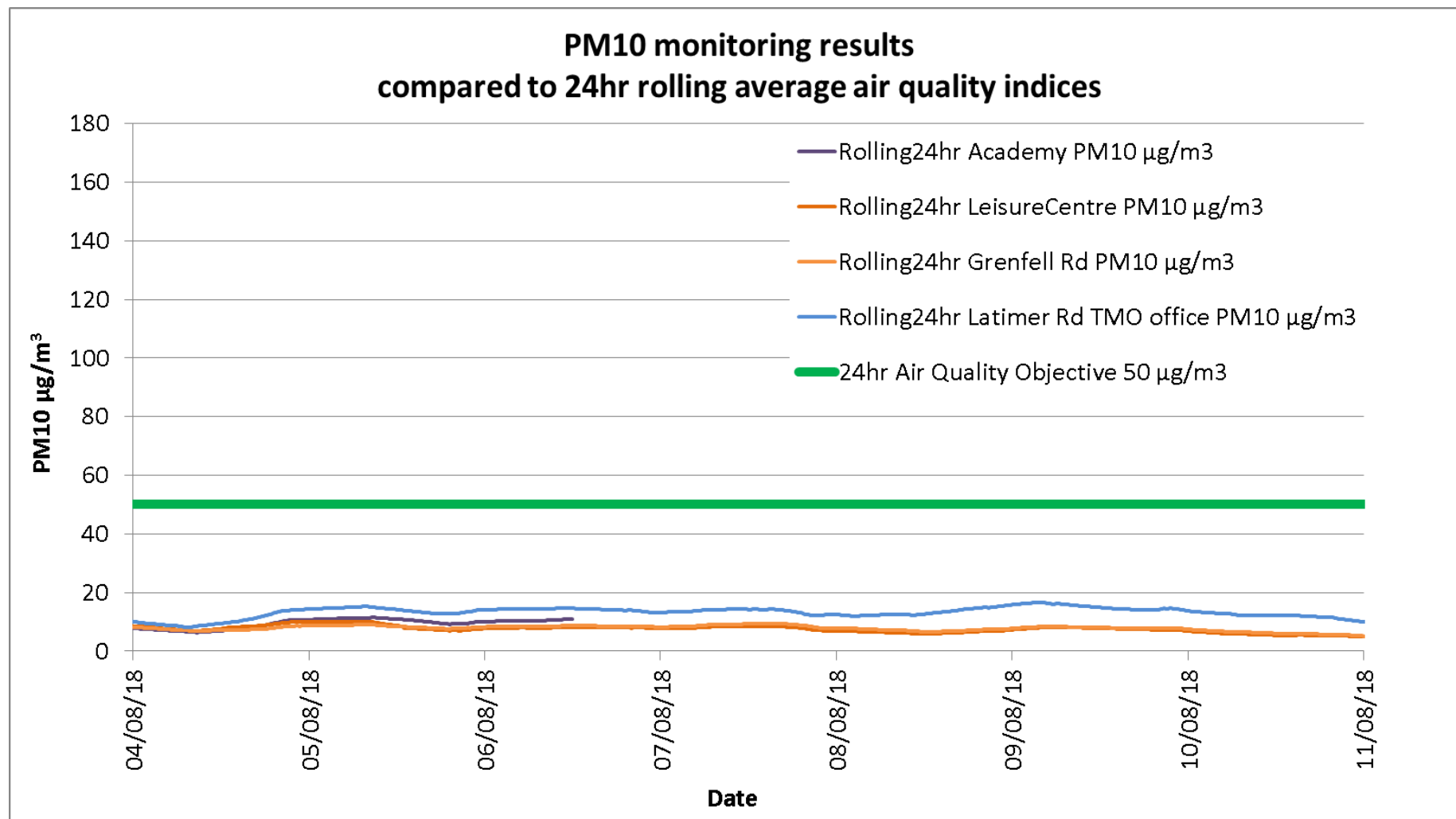


Figure 60

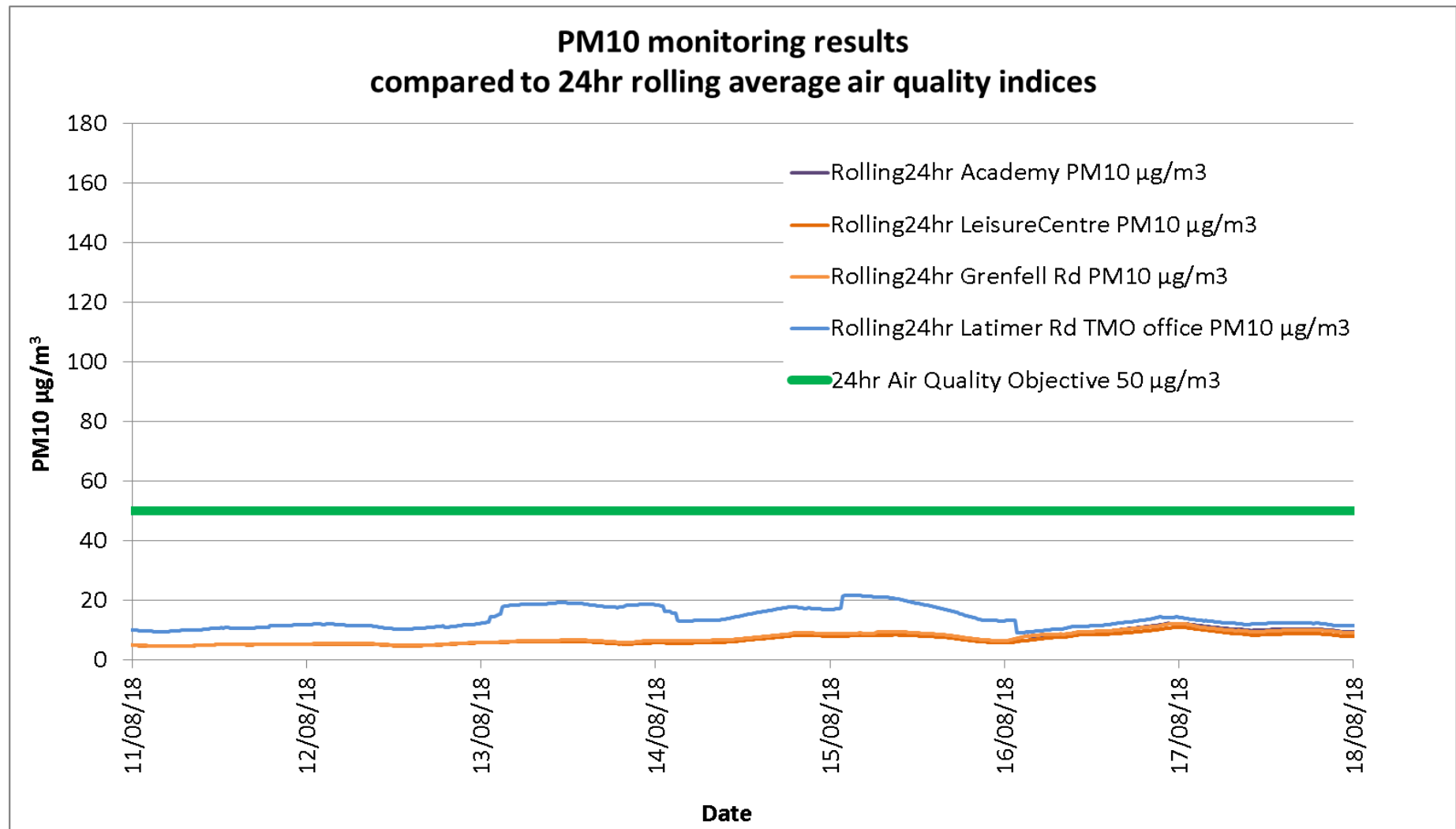


Figure 61

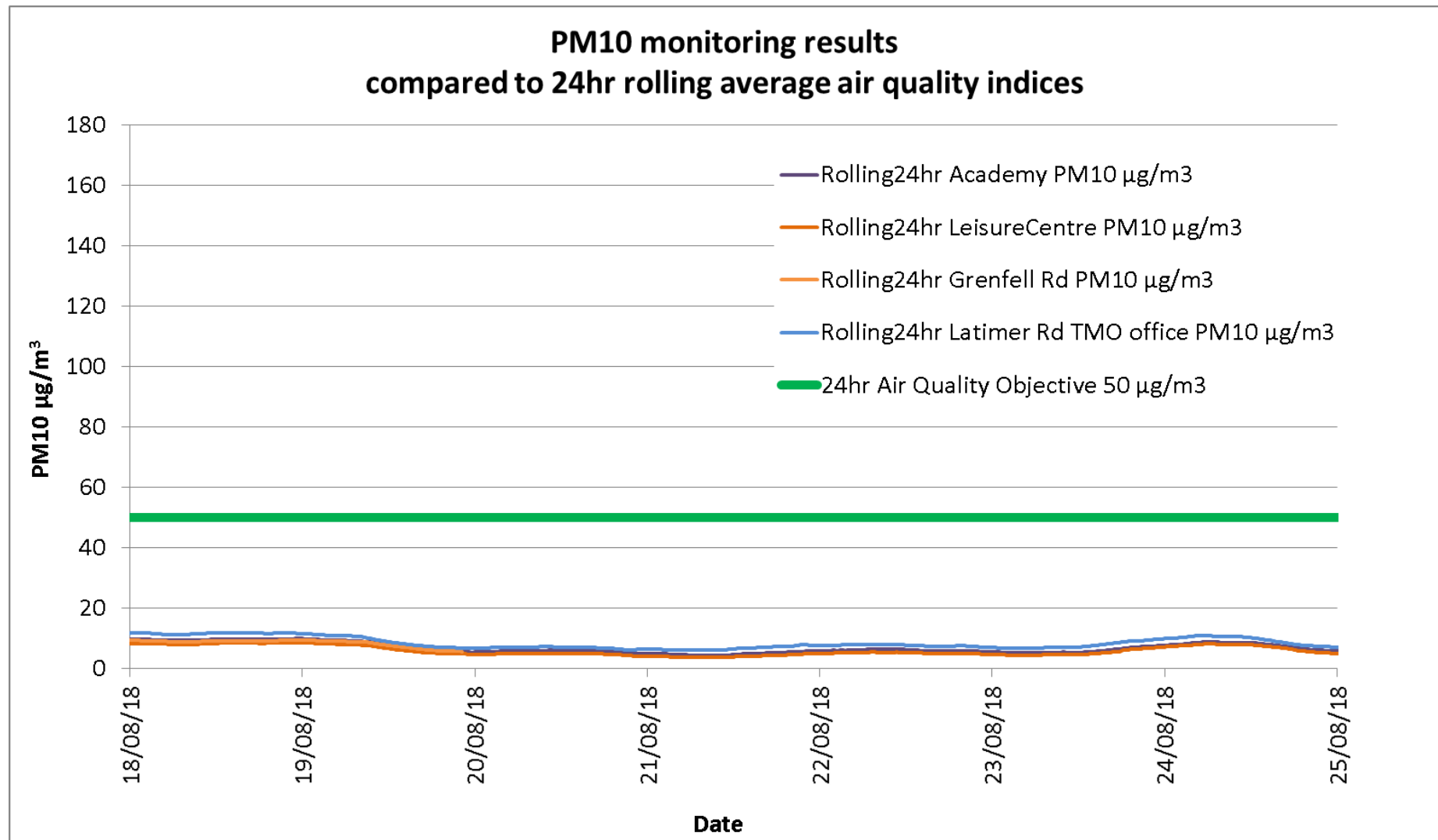




Figure 62

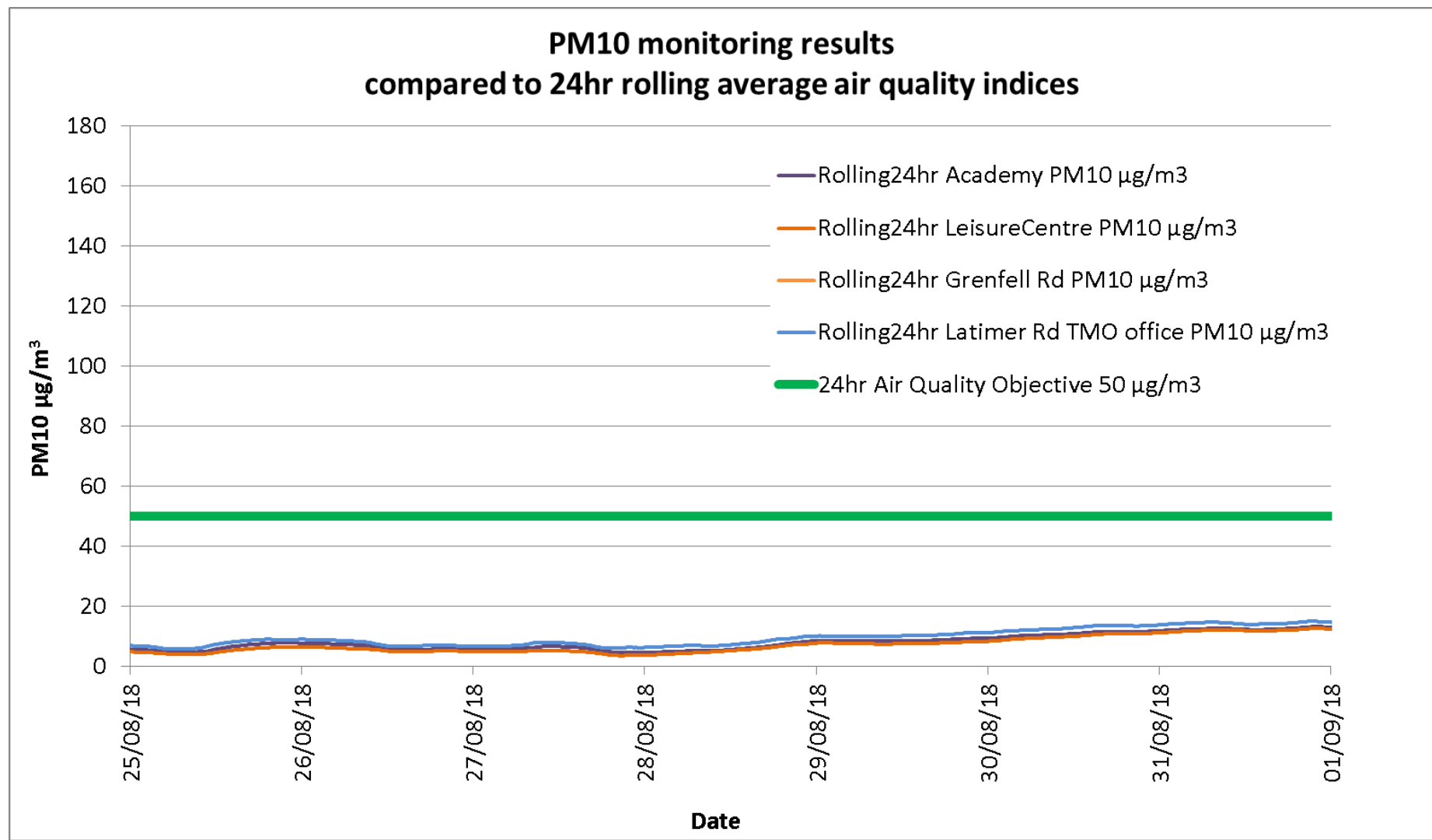


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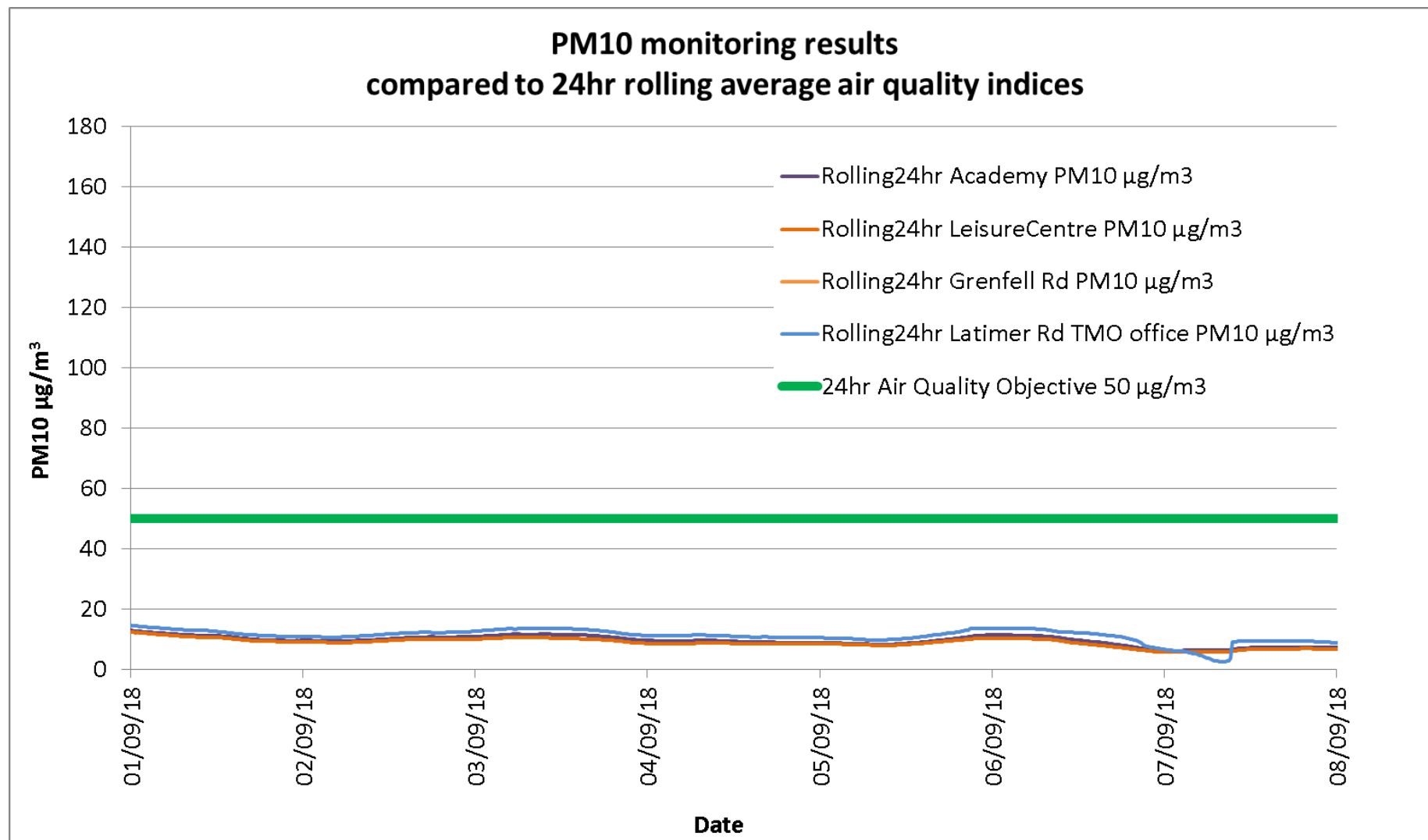


Figure 64

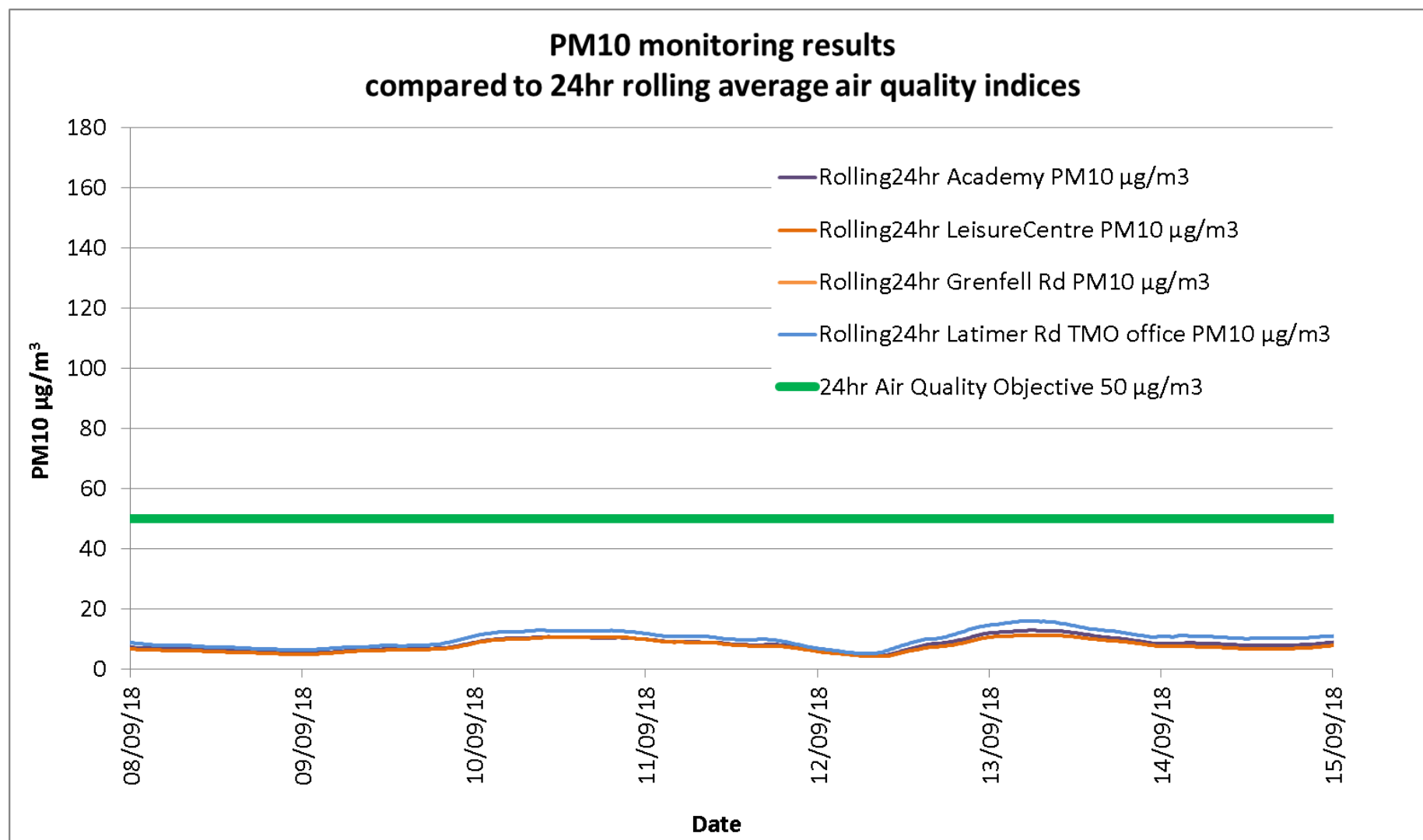


Figure 65

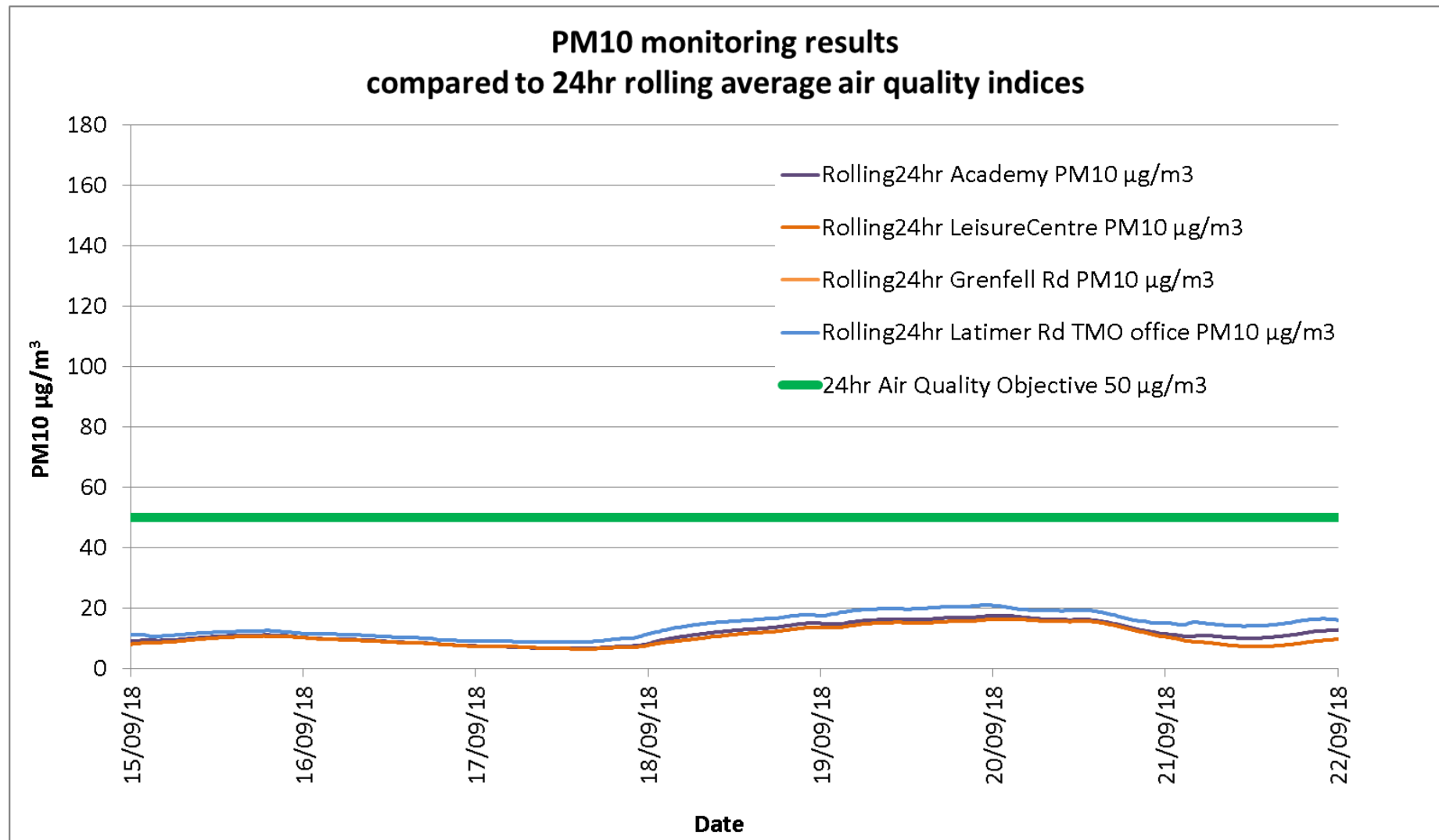


Figure 66

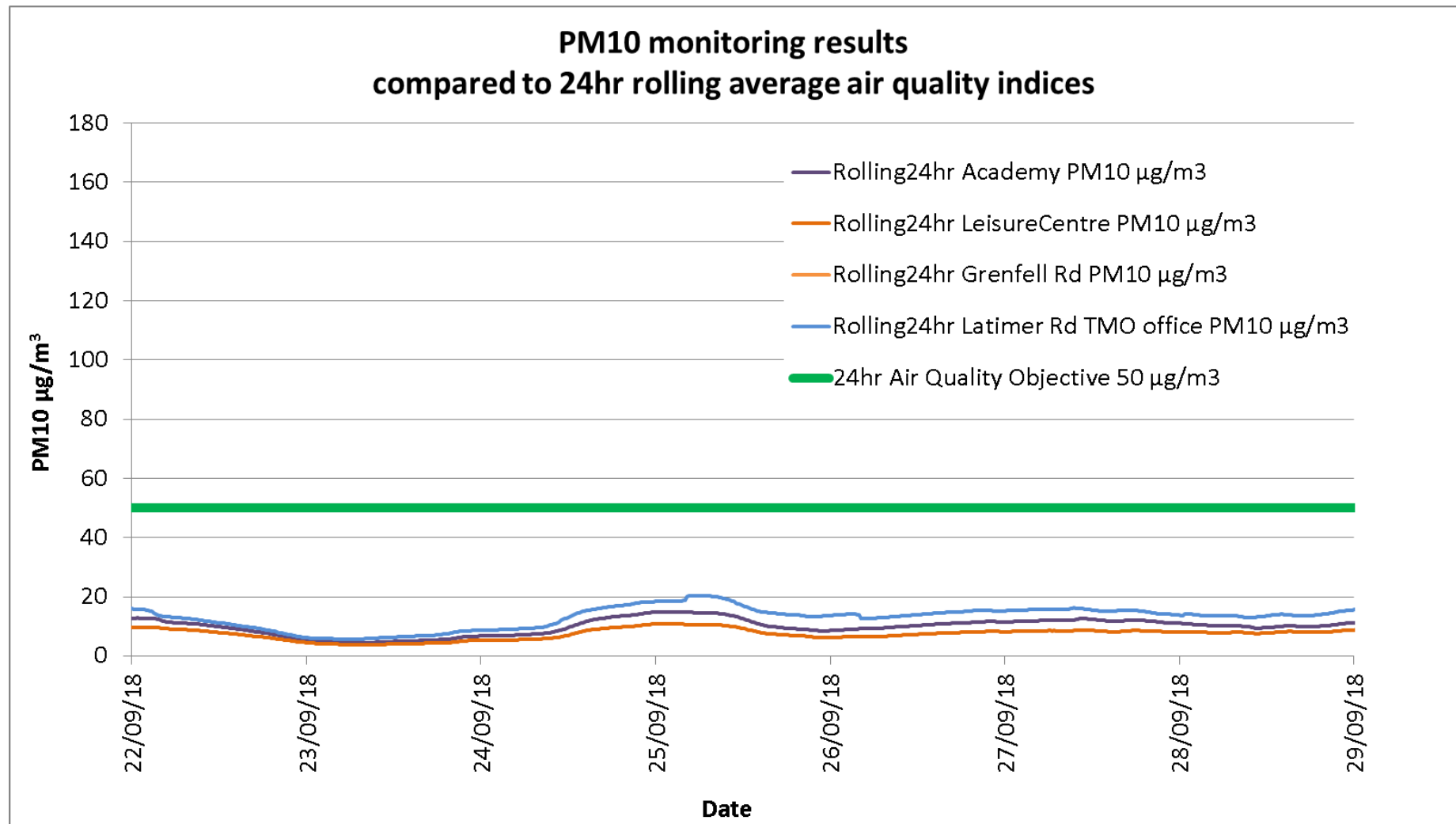


Figure 67

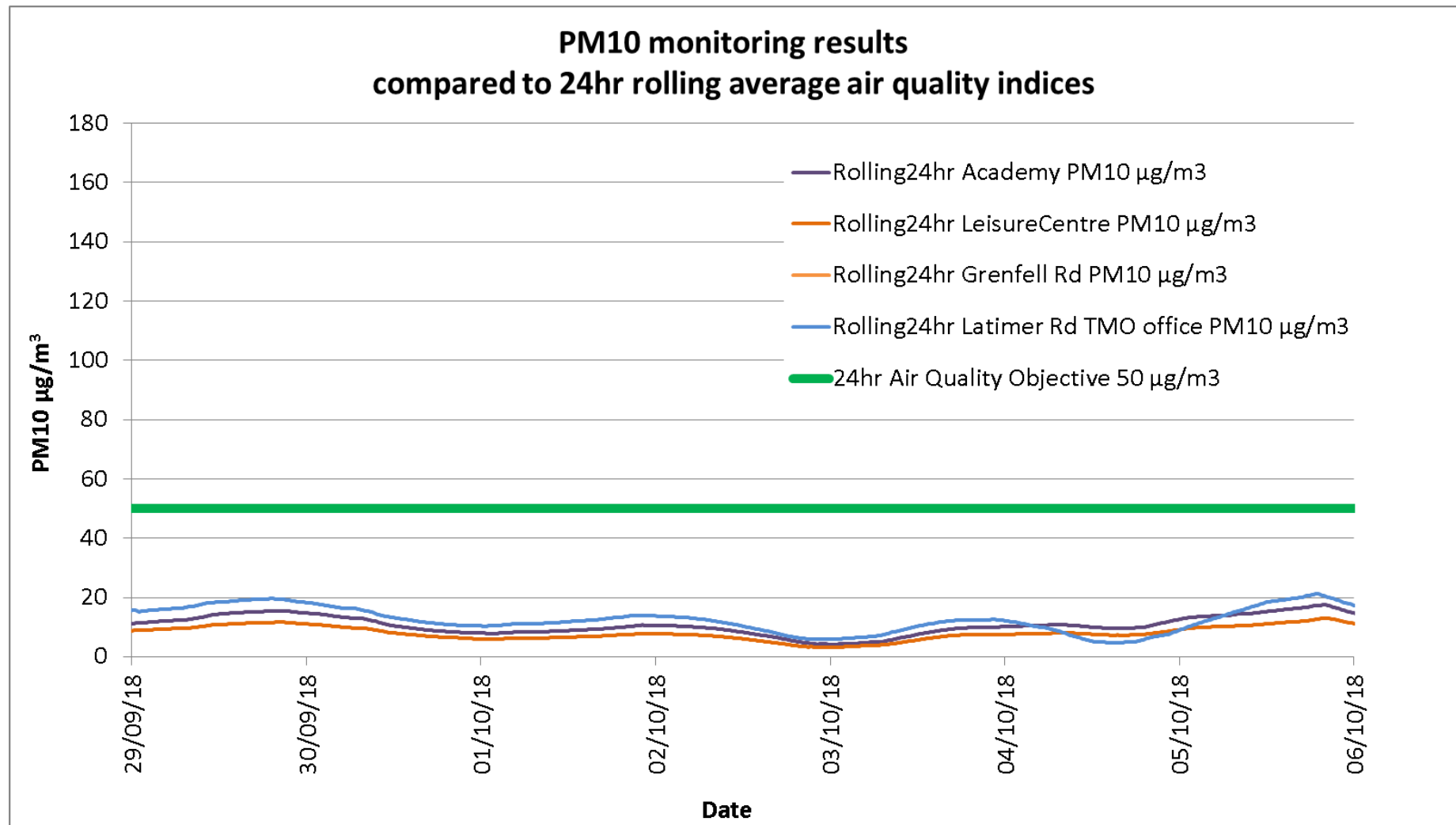


Figure 68

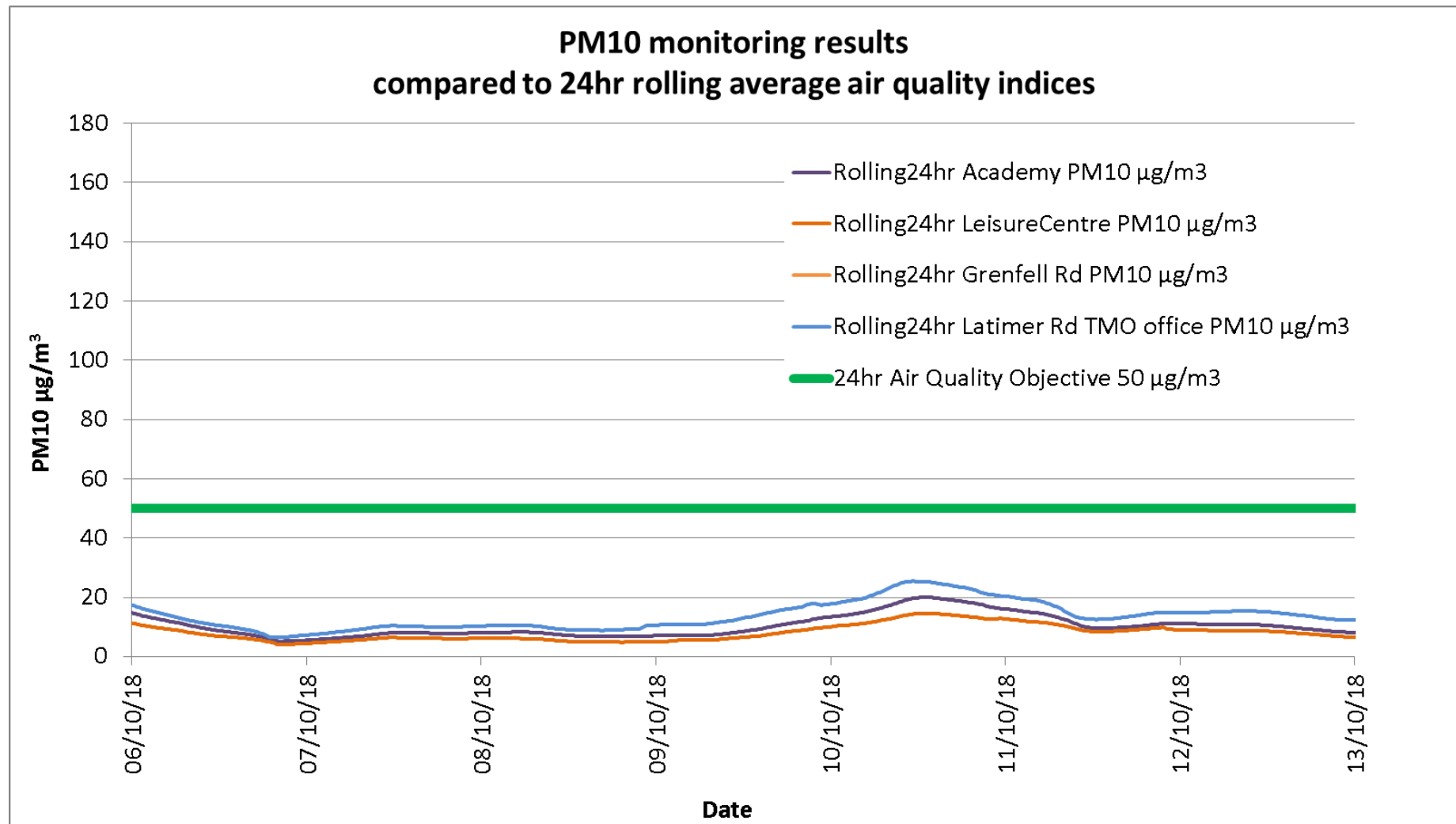


Figure 69

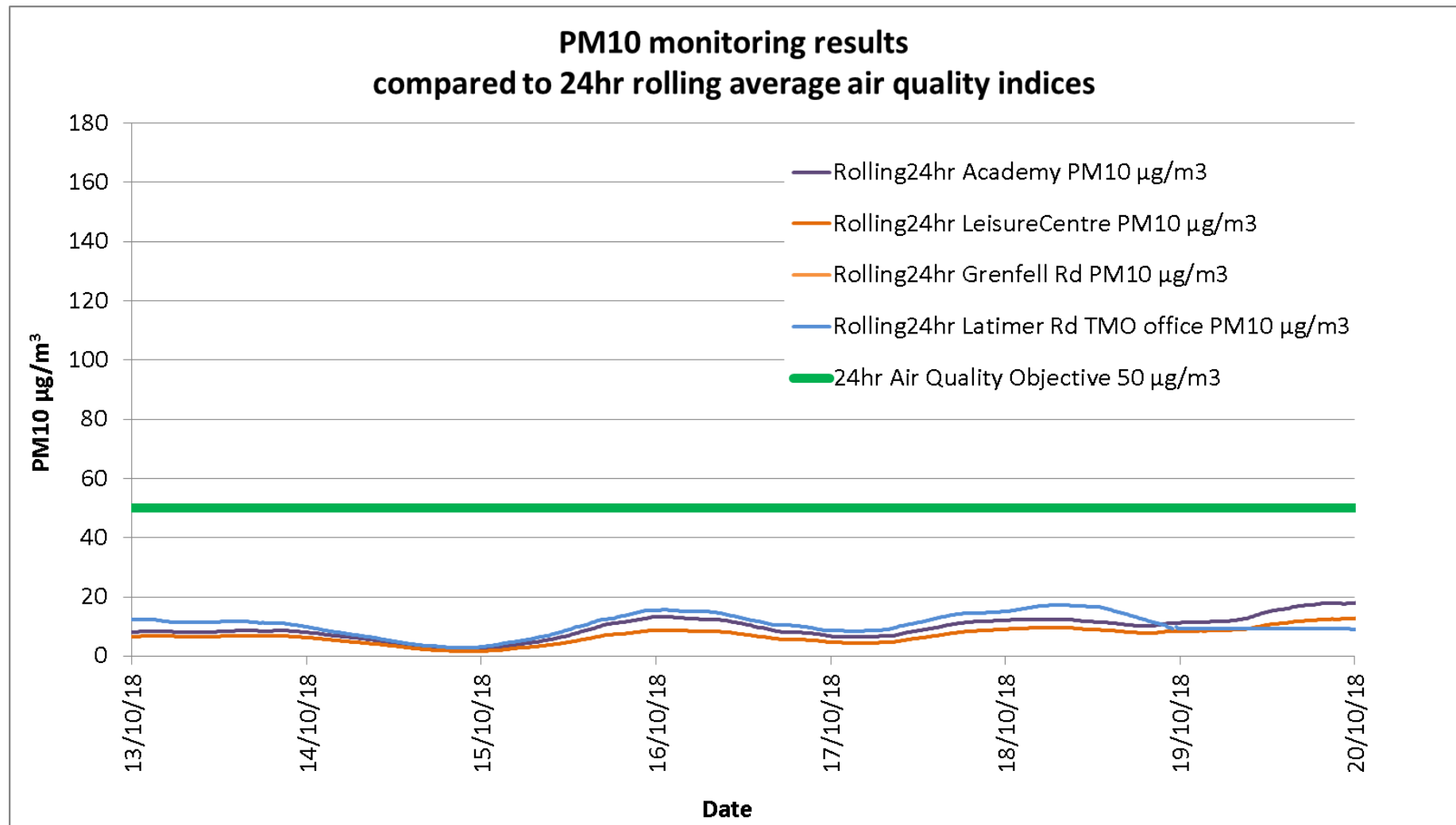




Figure 70

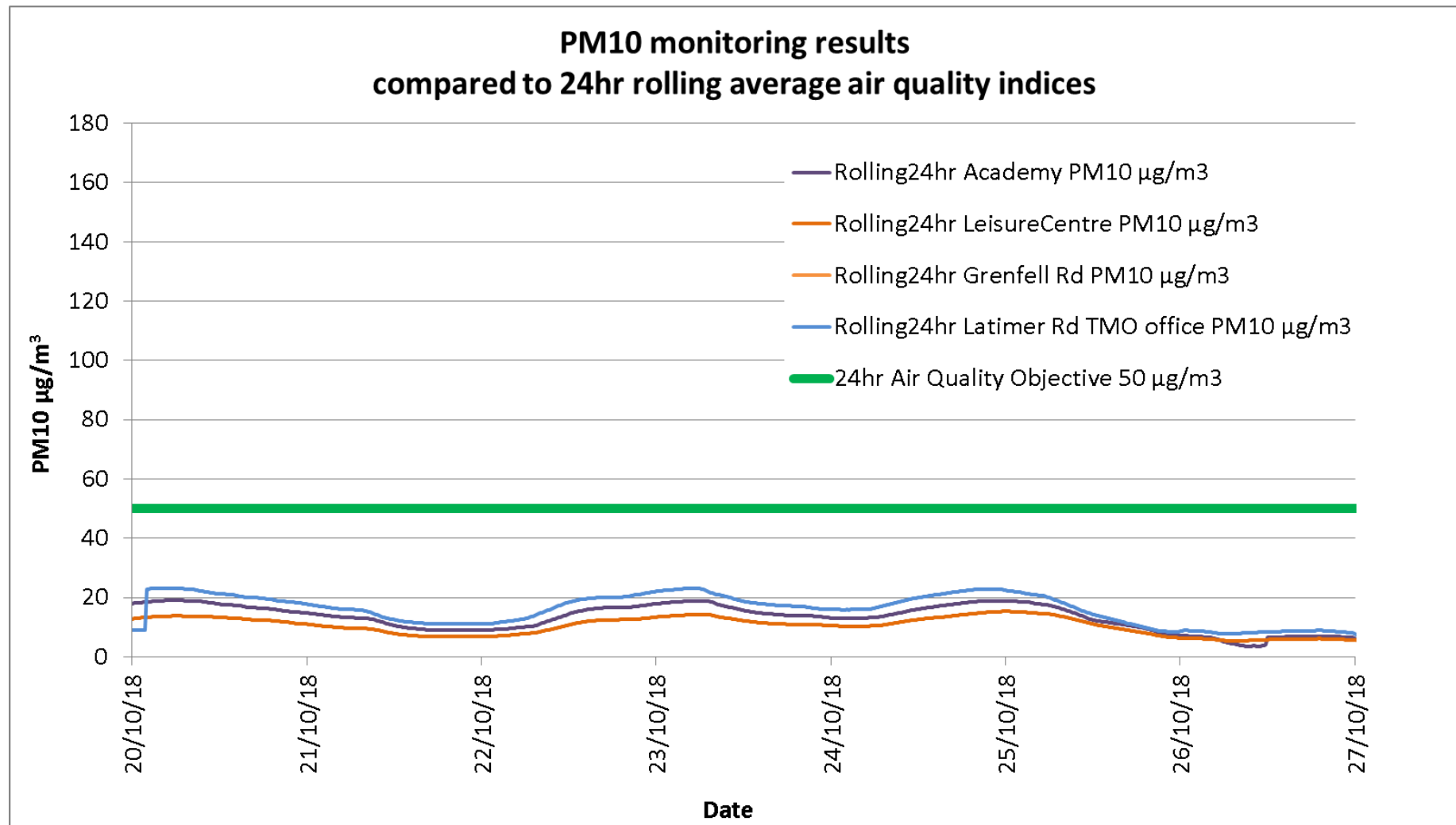


Figure 71

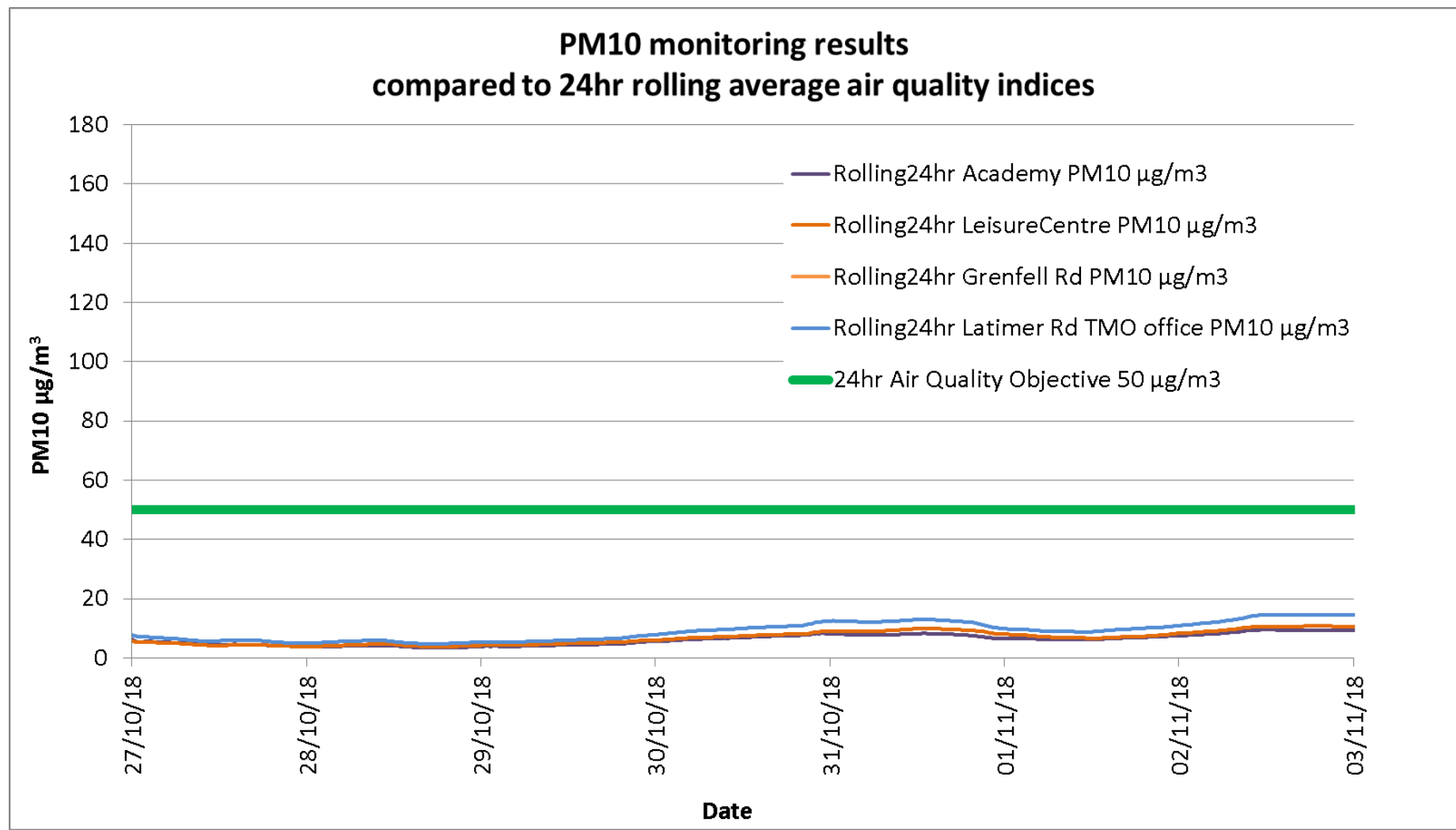


Figure 72

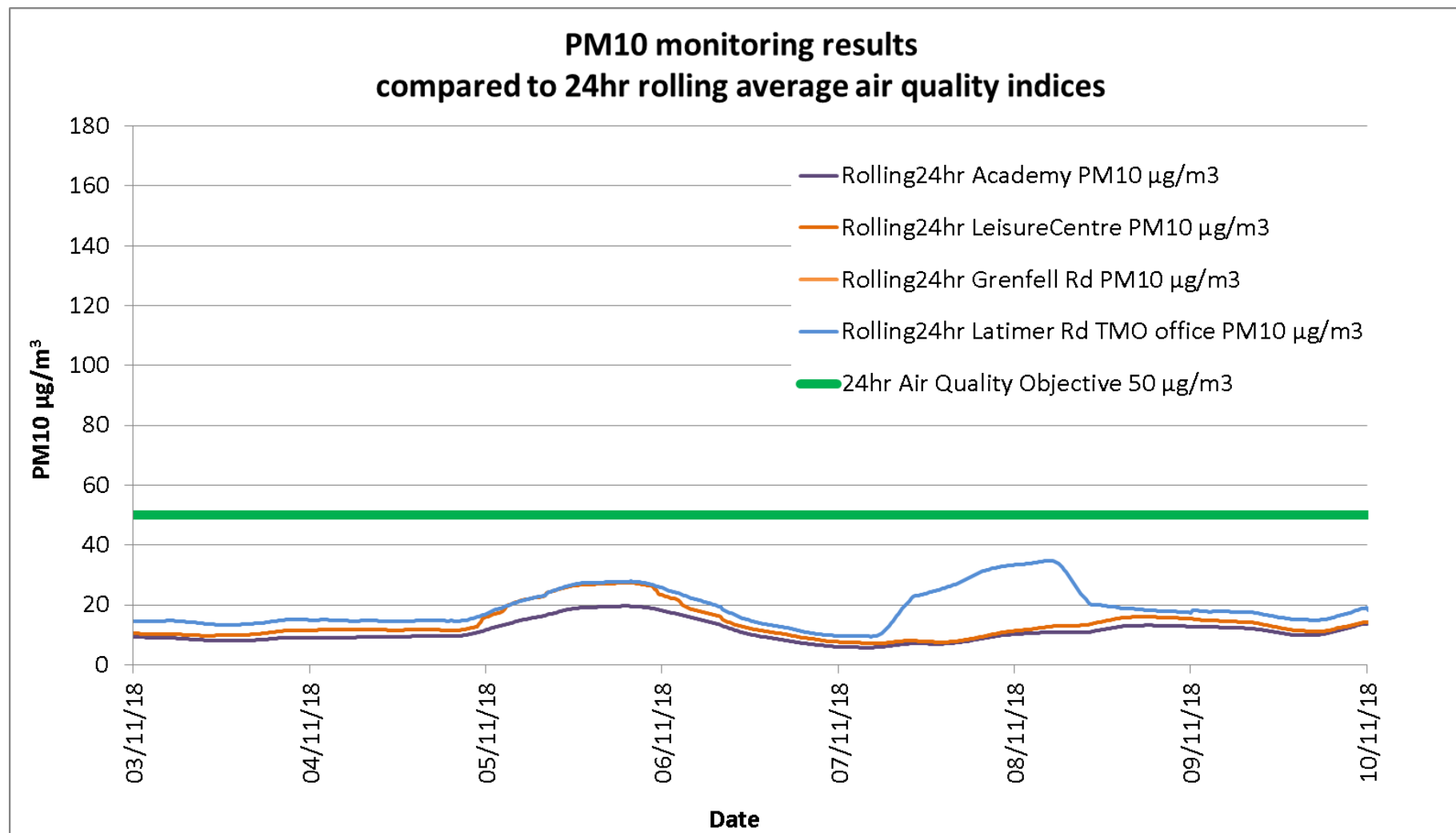


Figure 73

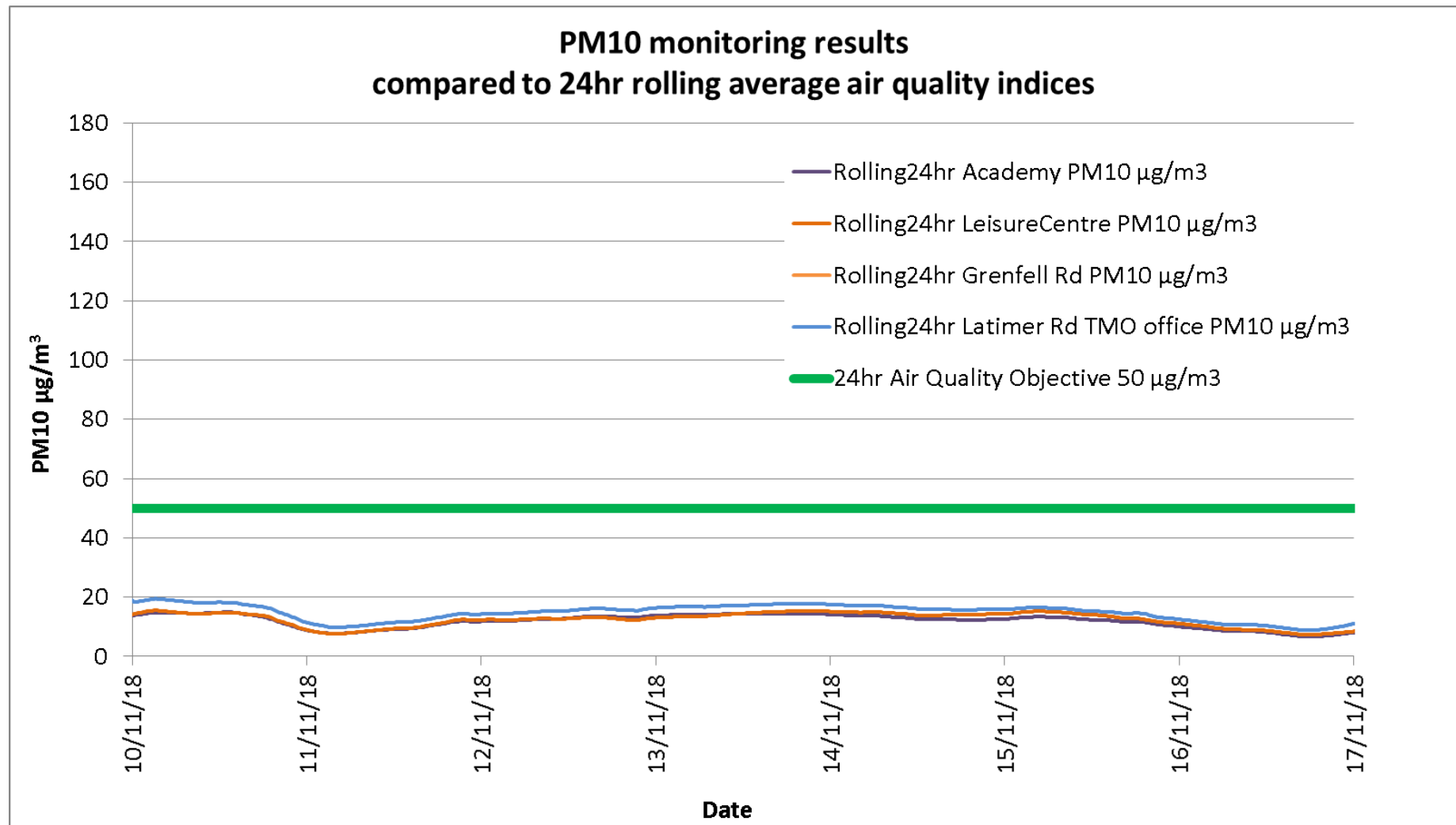


Figure 74

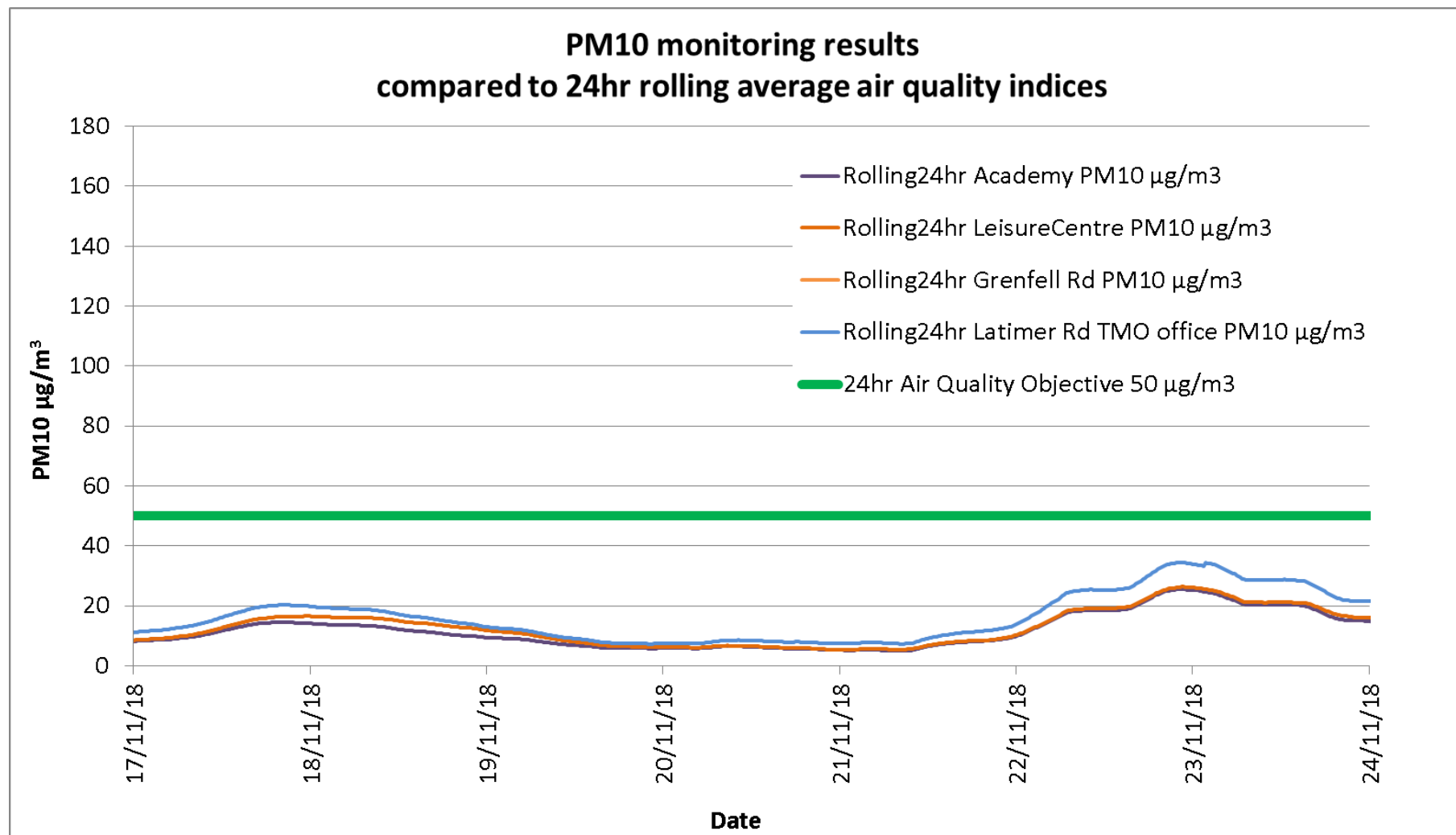


Figure 75

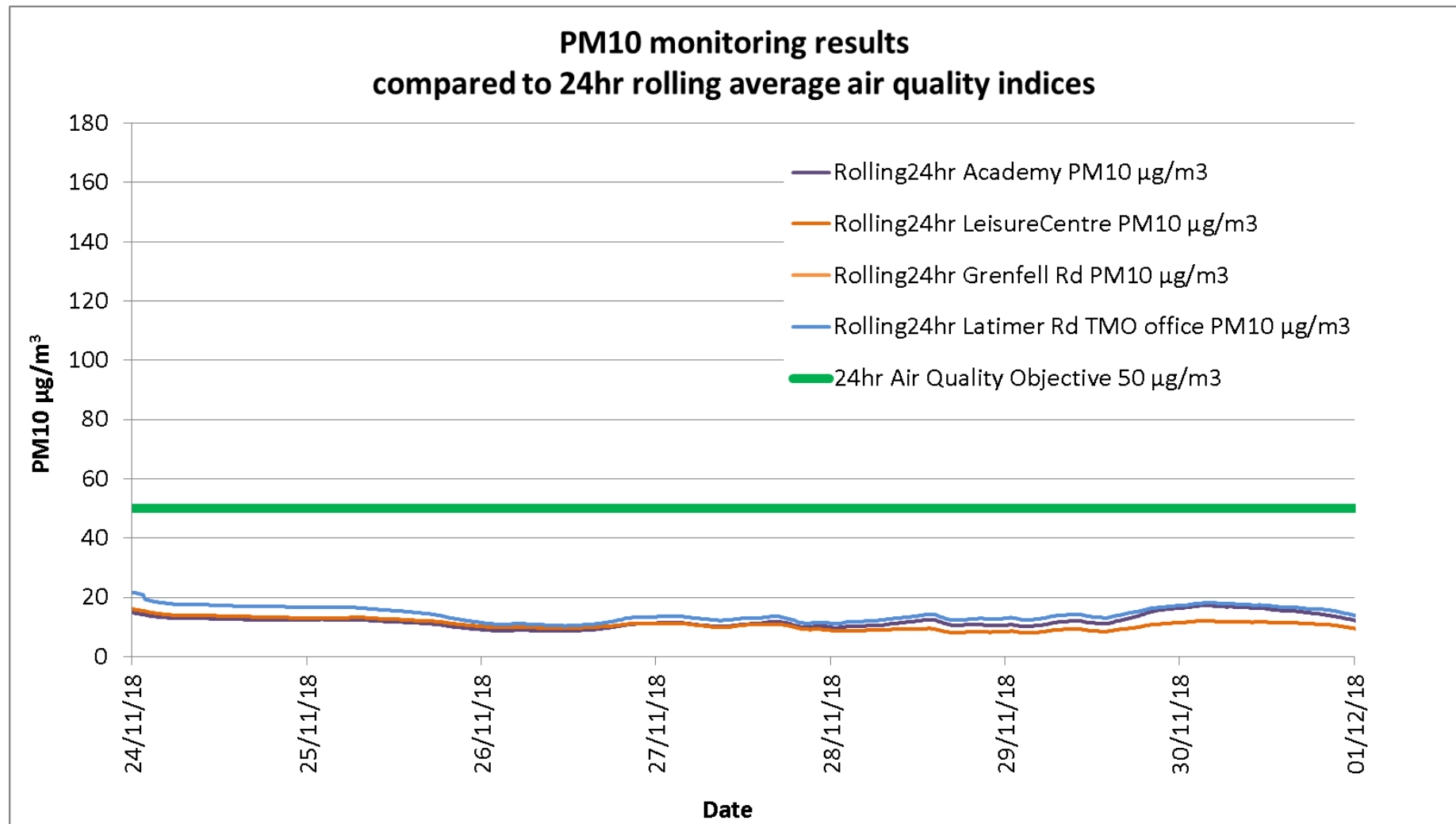


Figure 76

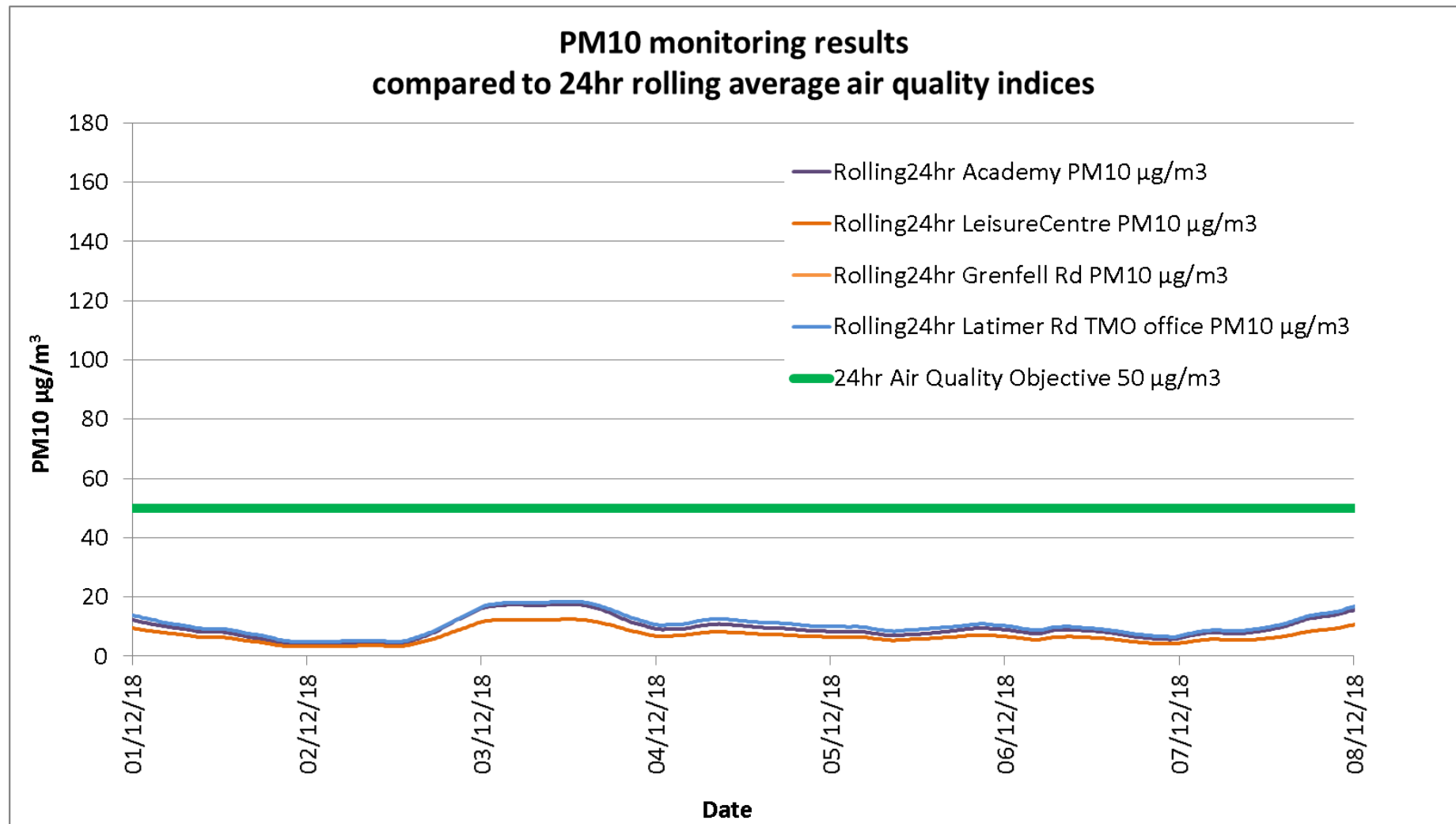


Figure 77

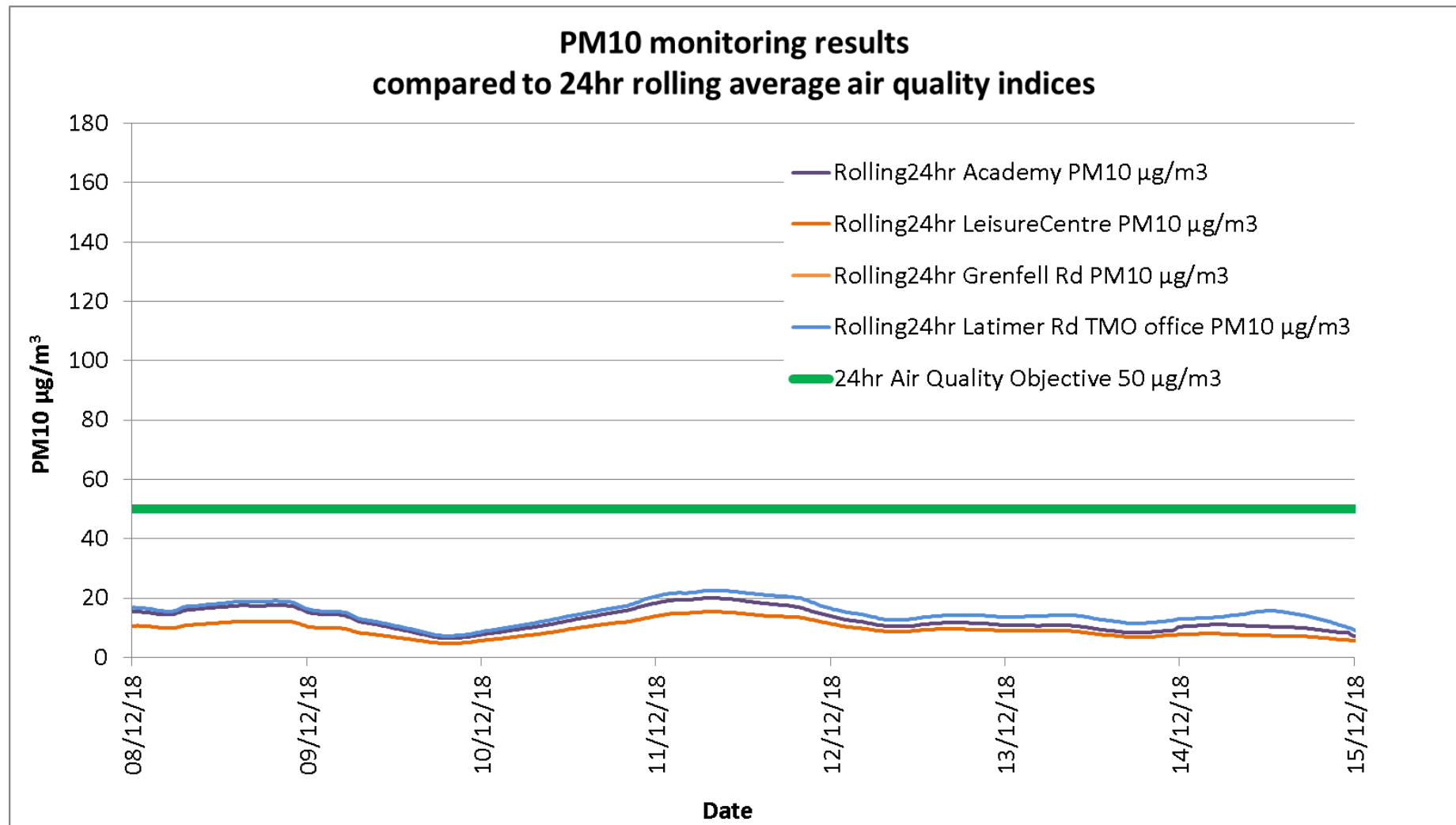




Figure 78

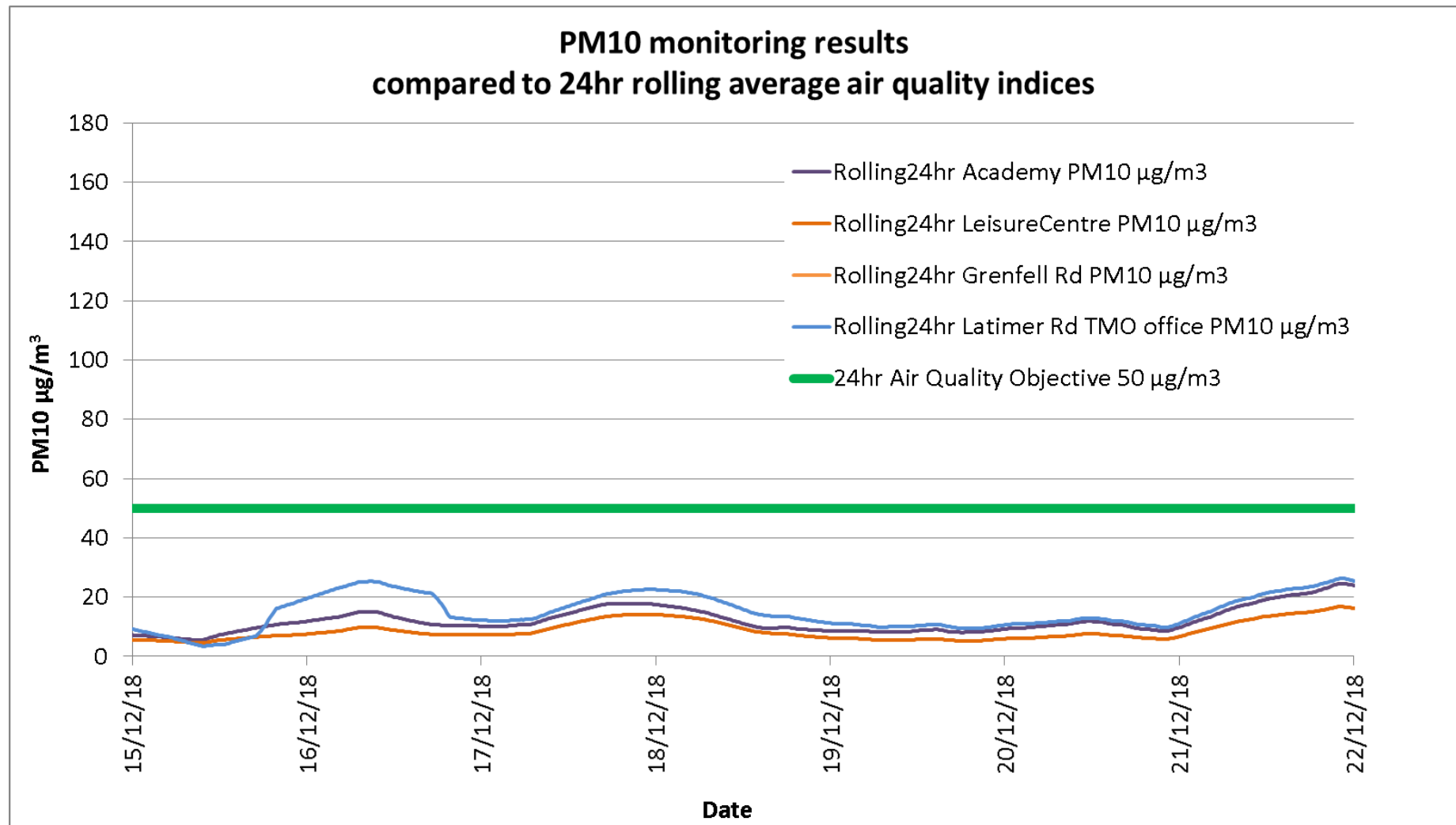


Figure 79

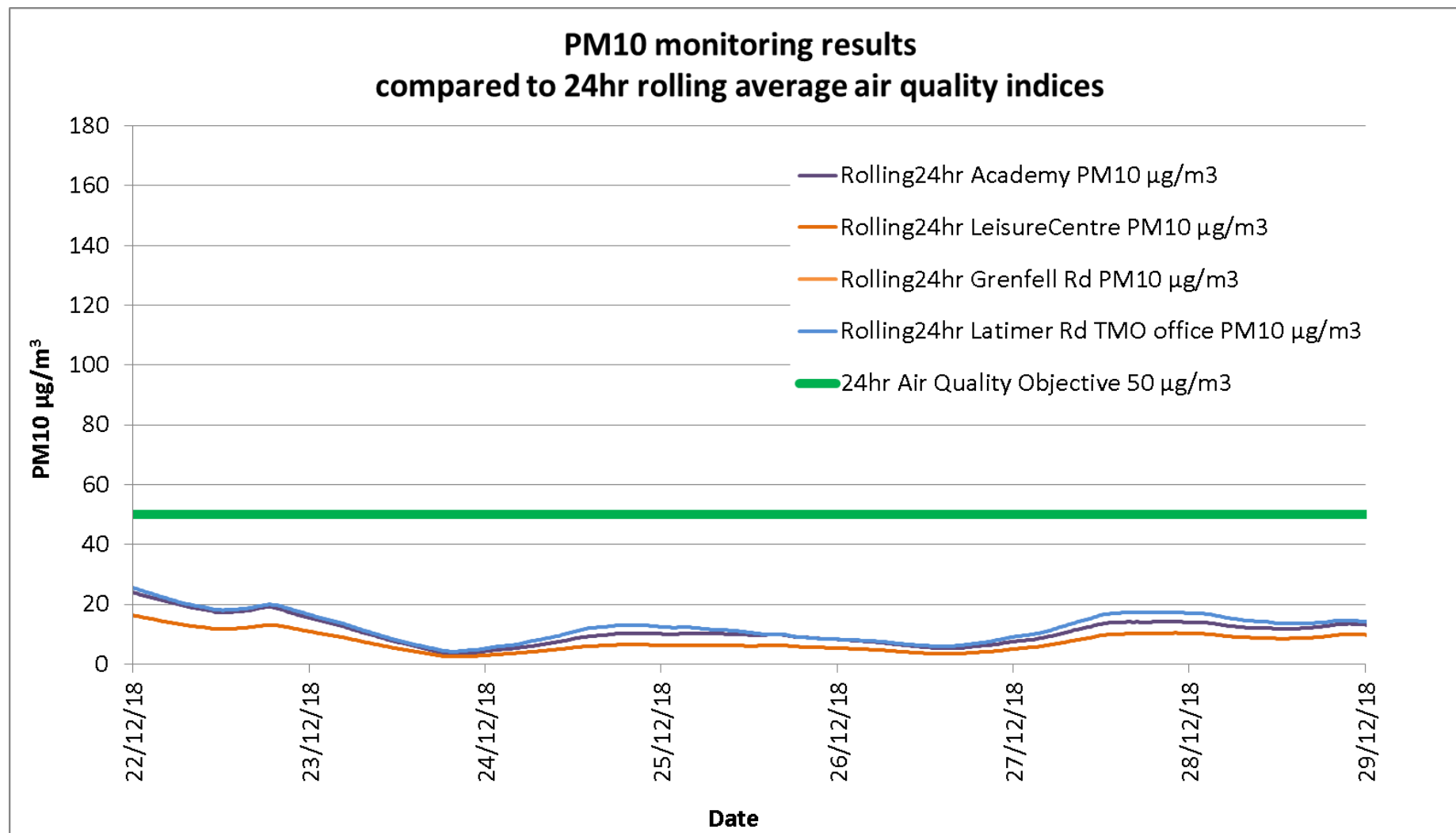


Figure 80

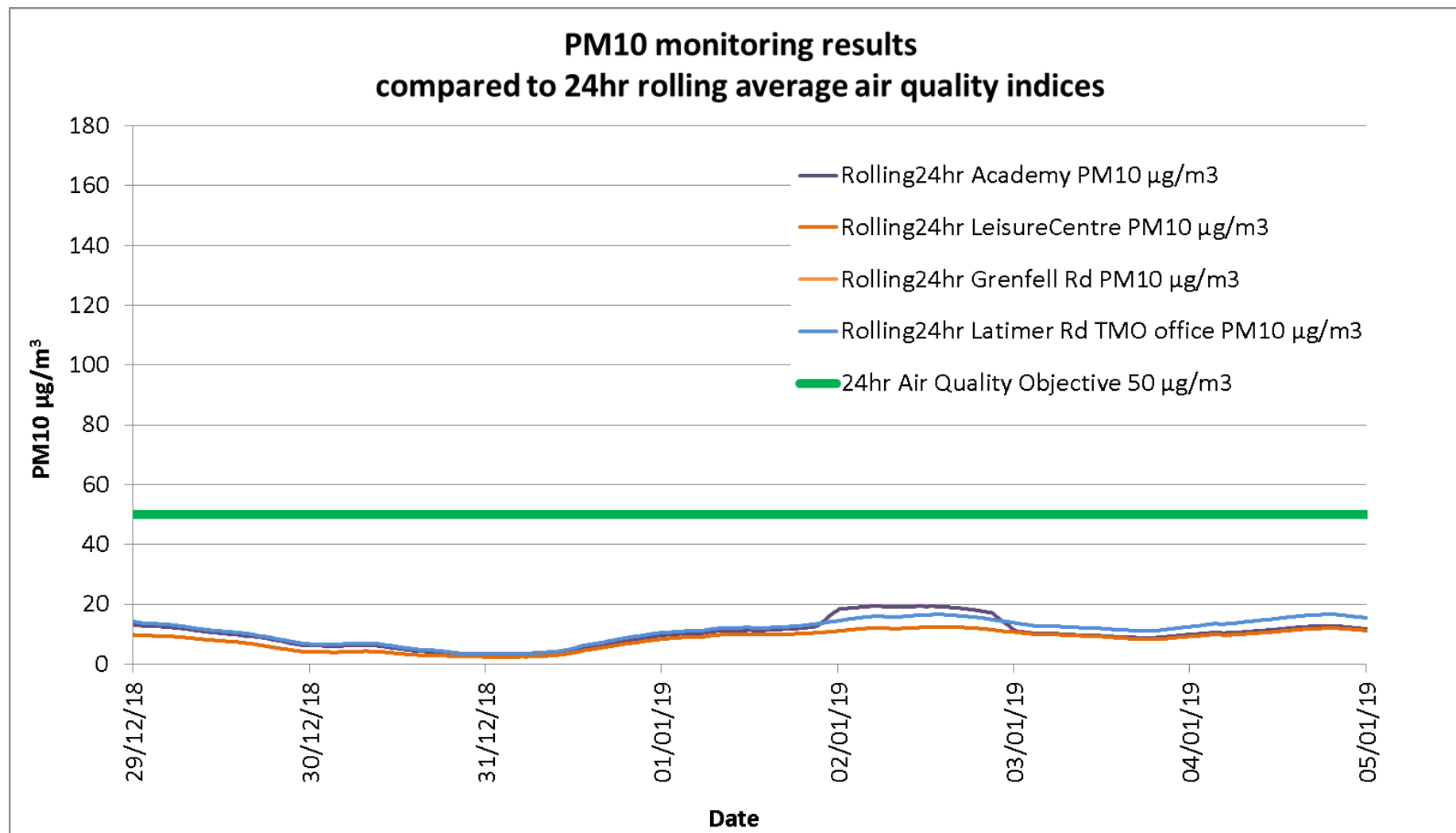


Figure 81

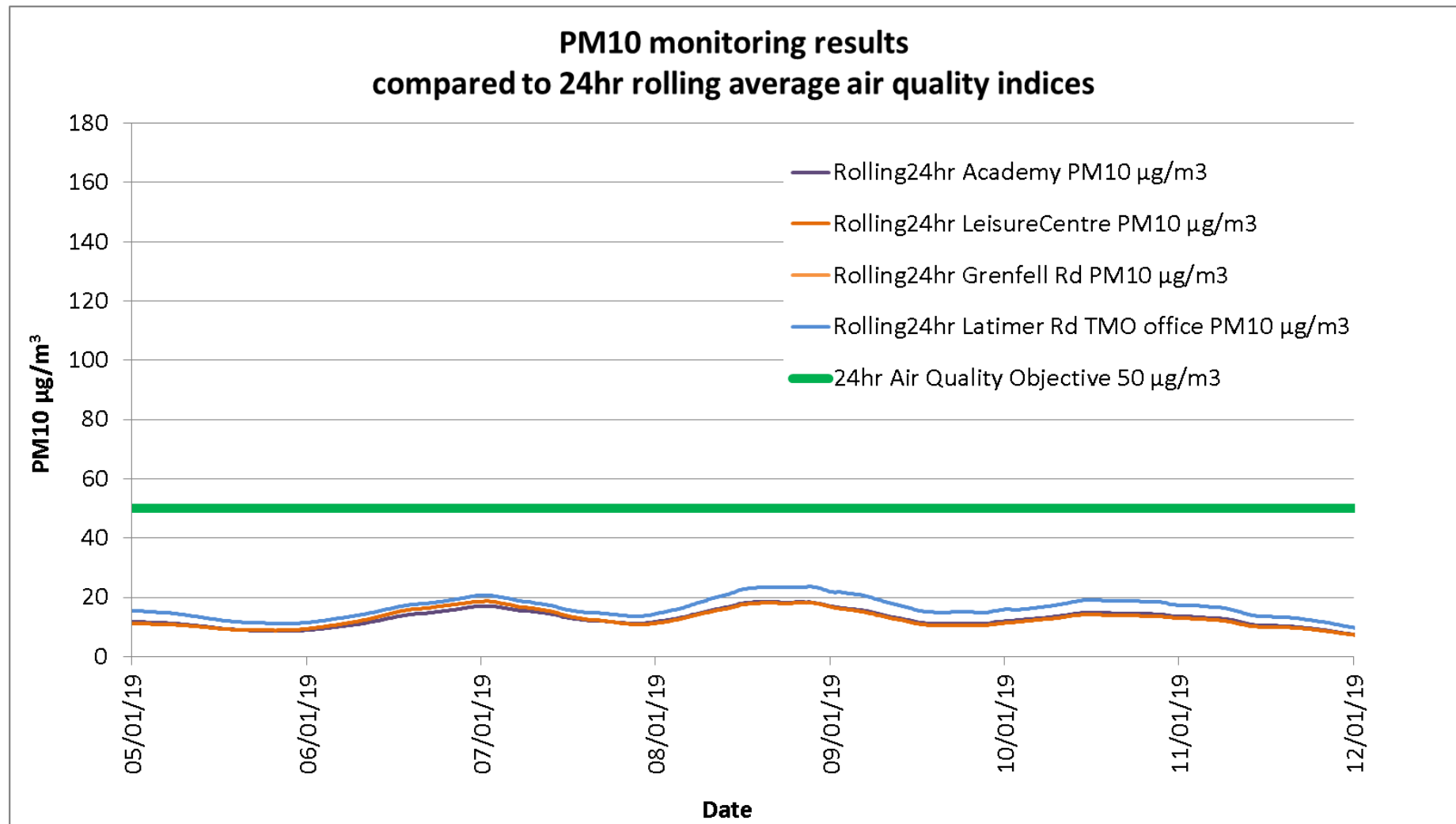


Figure 82

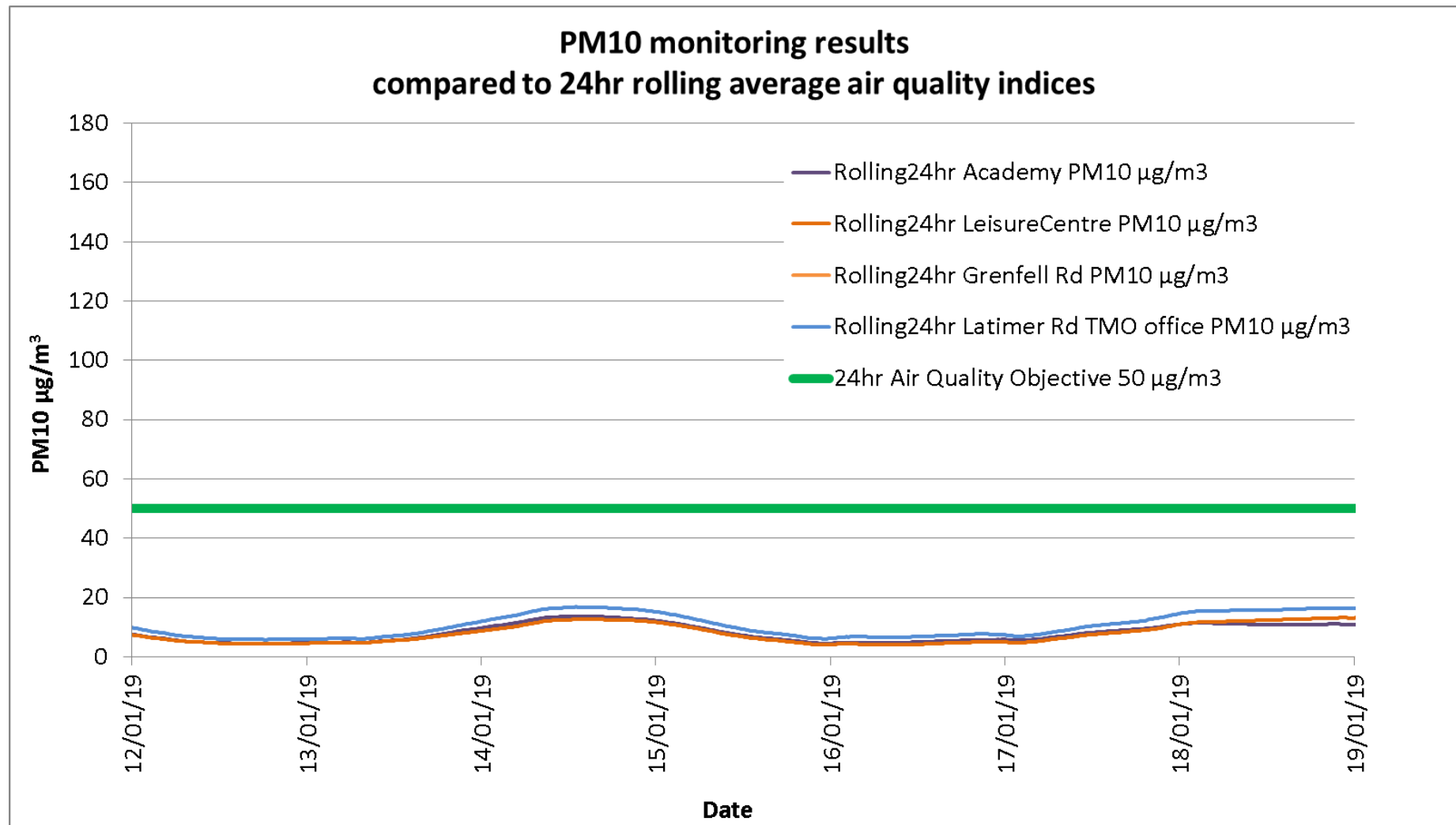


Figure 83

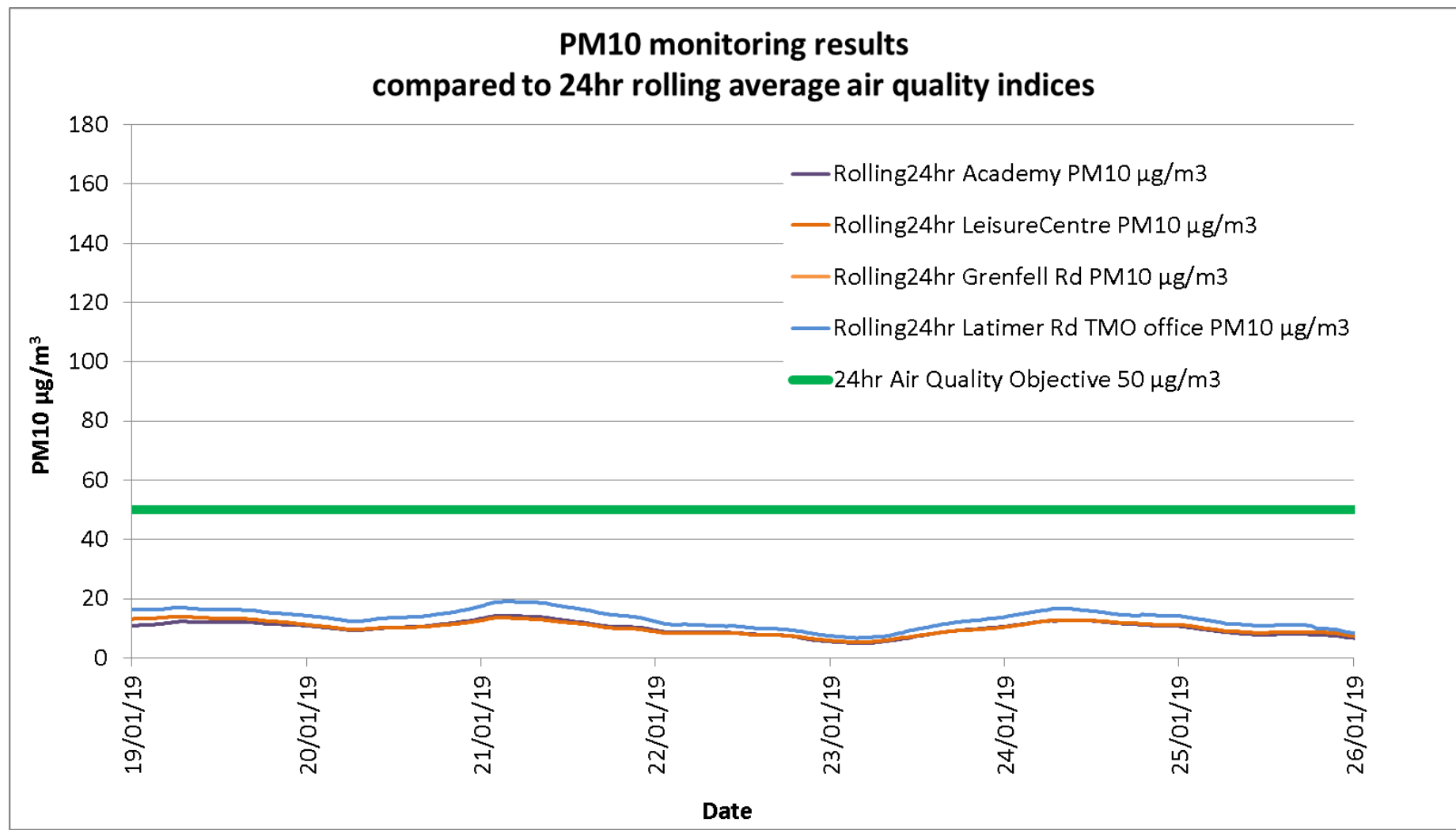


Figure 84

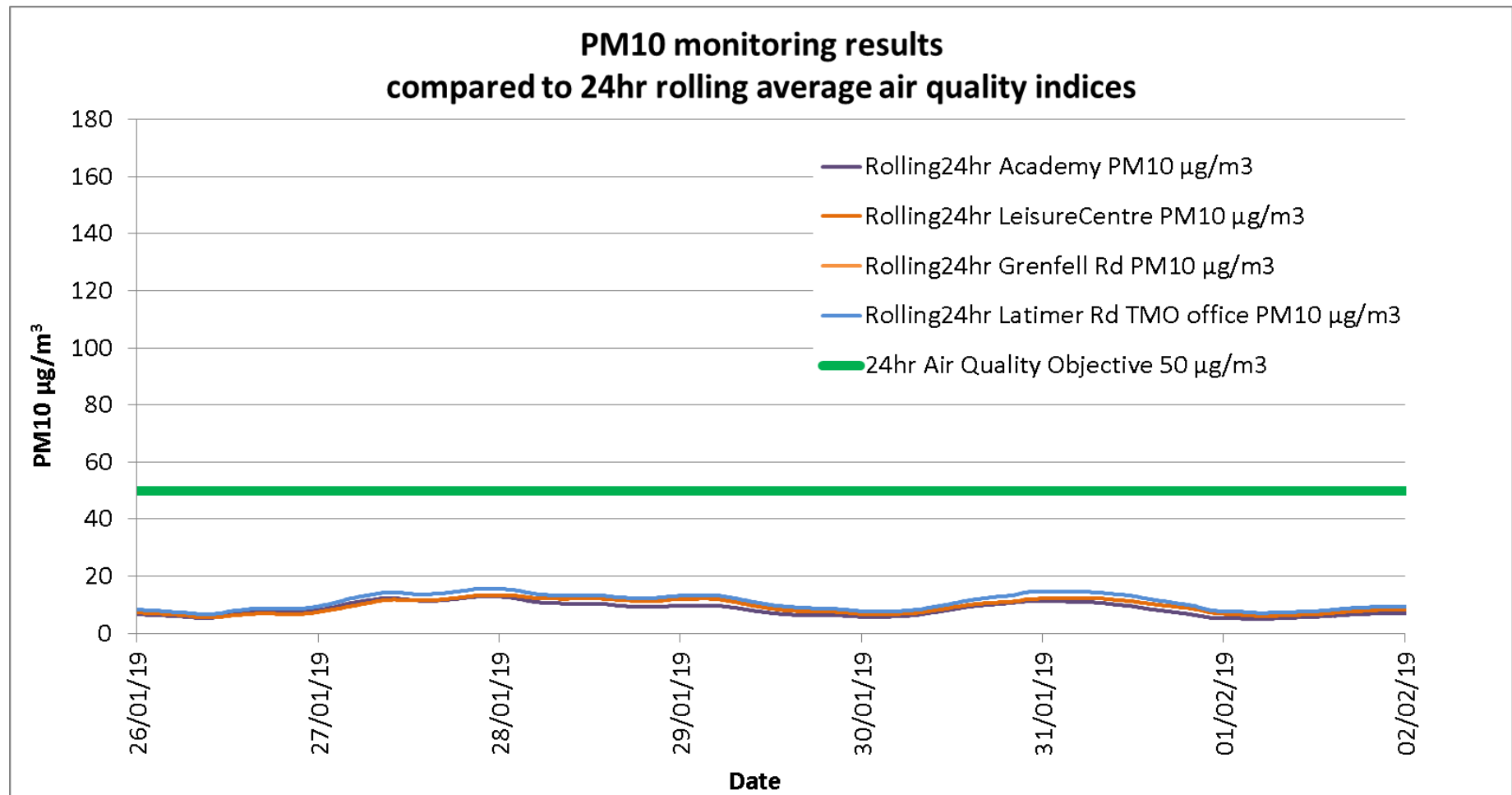


Figure 85

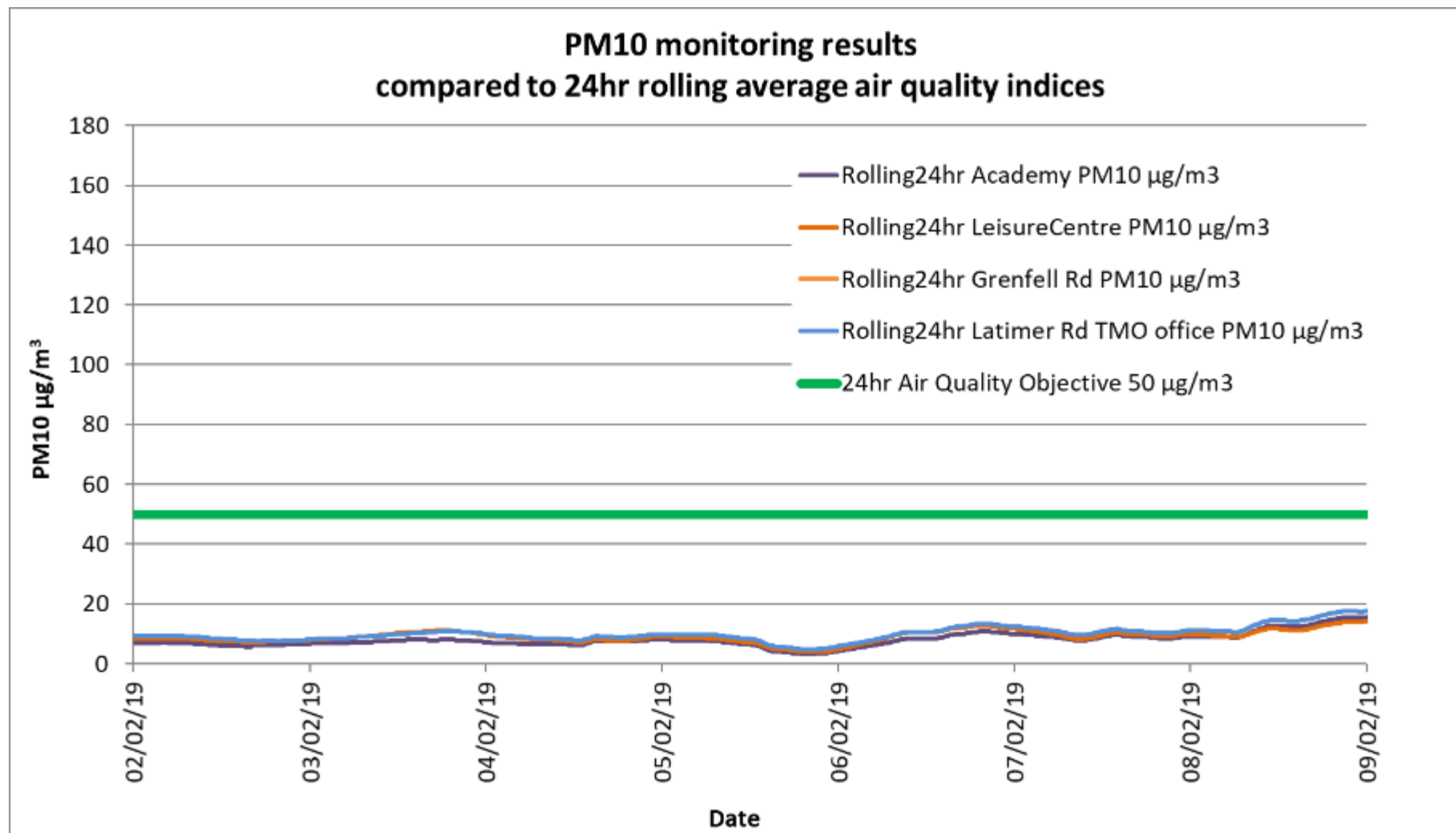




Figure 86

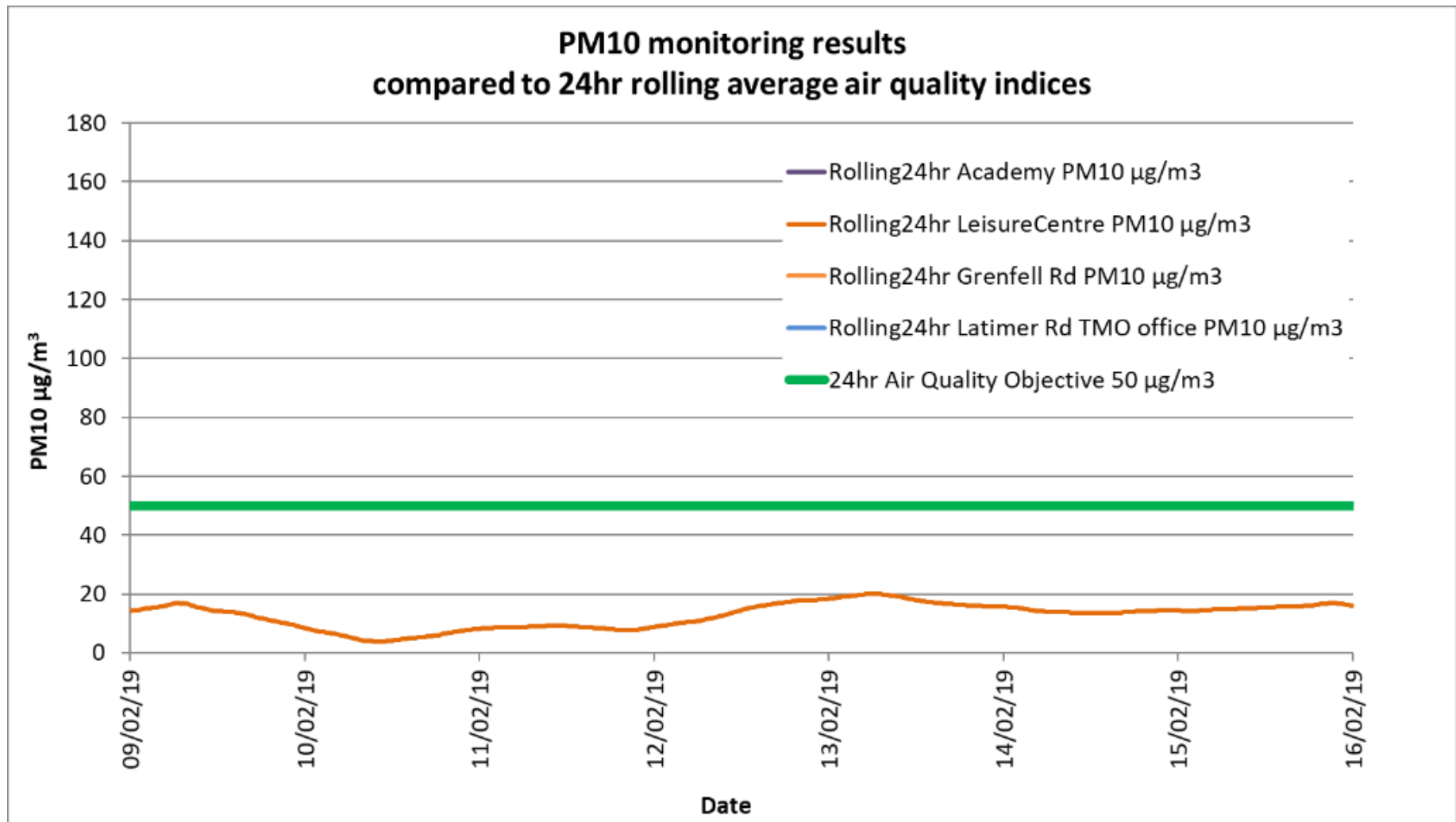


Figure 87

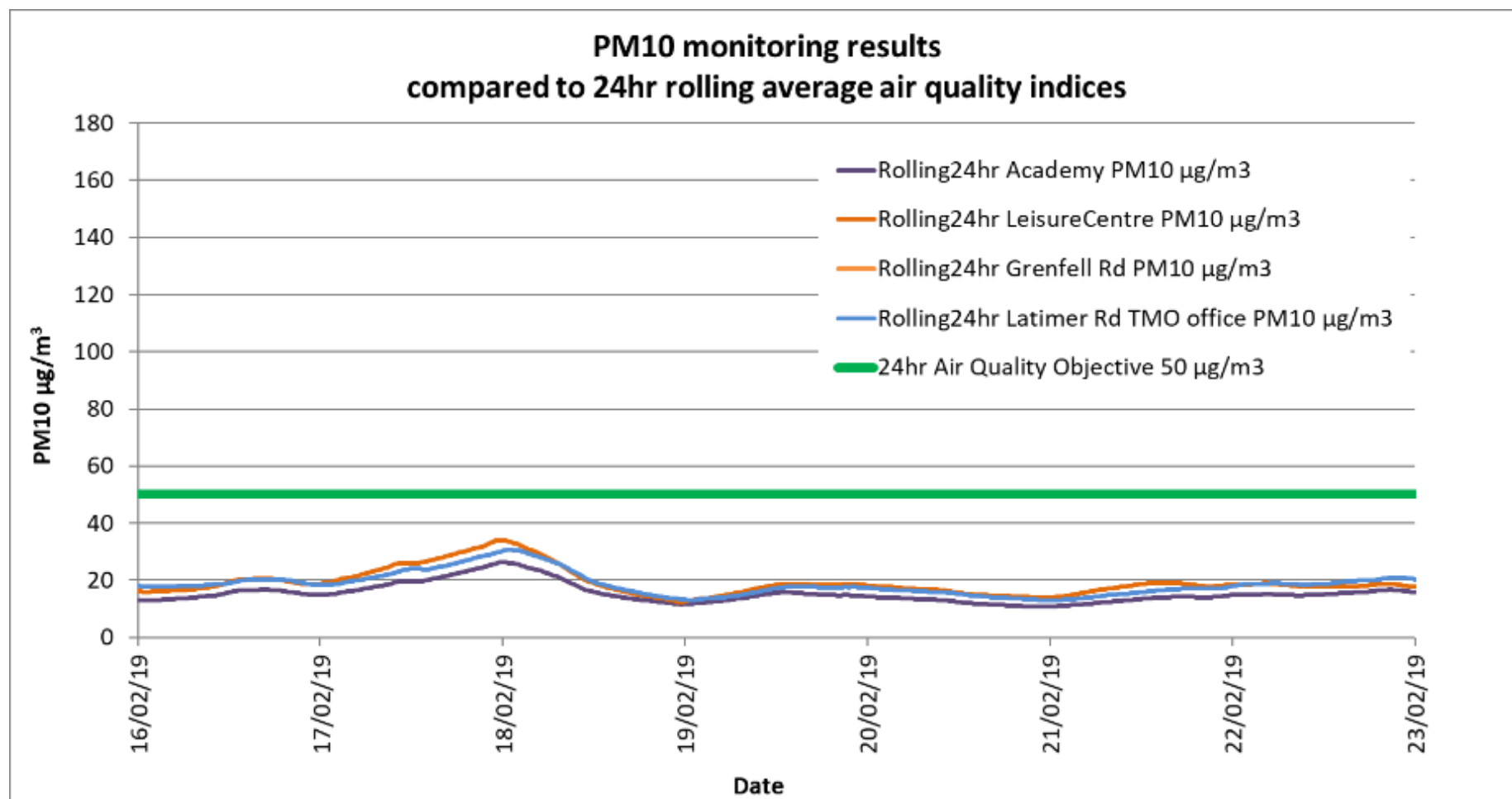


Figure 88

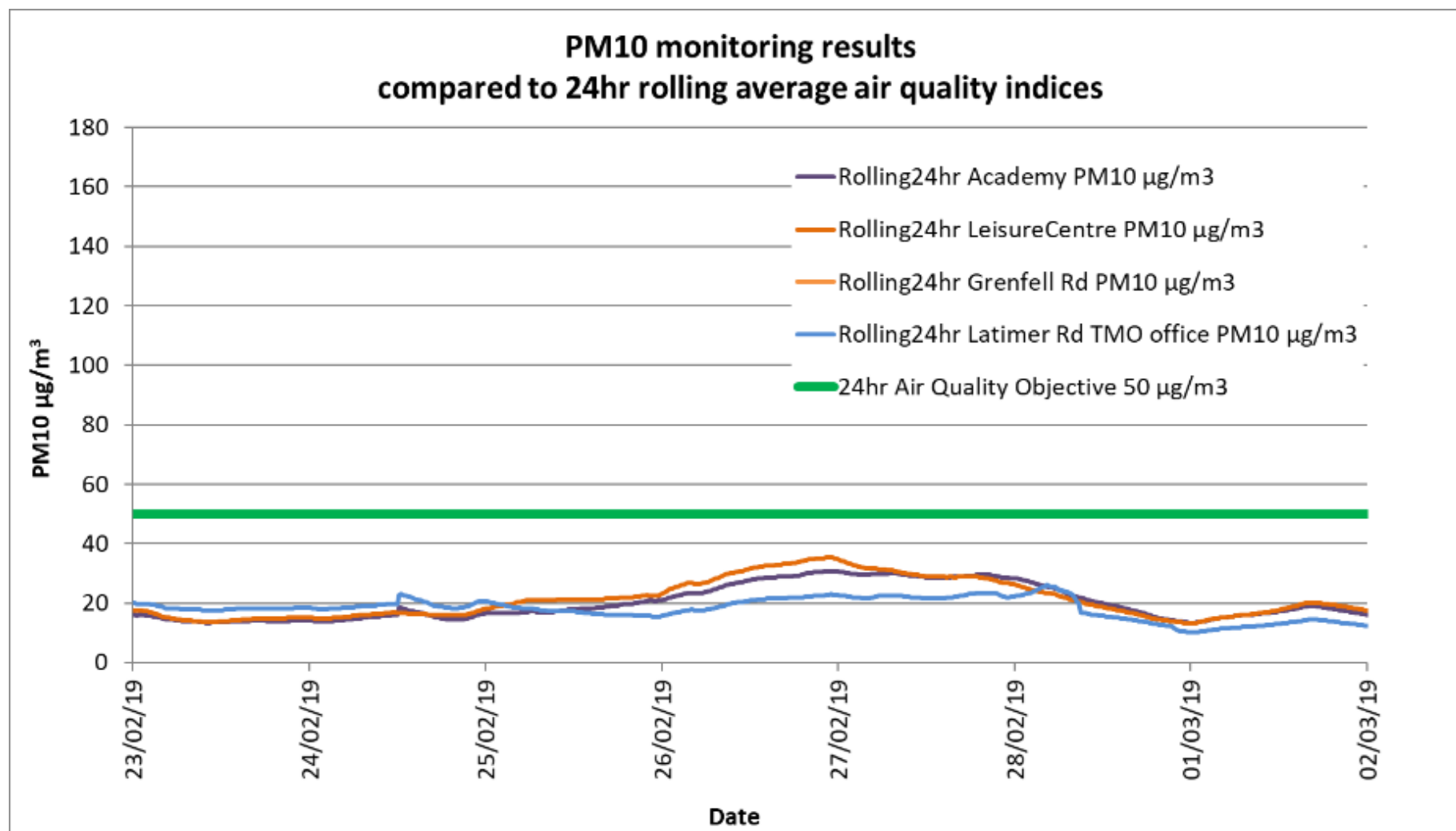


Figure 89

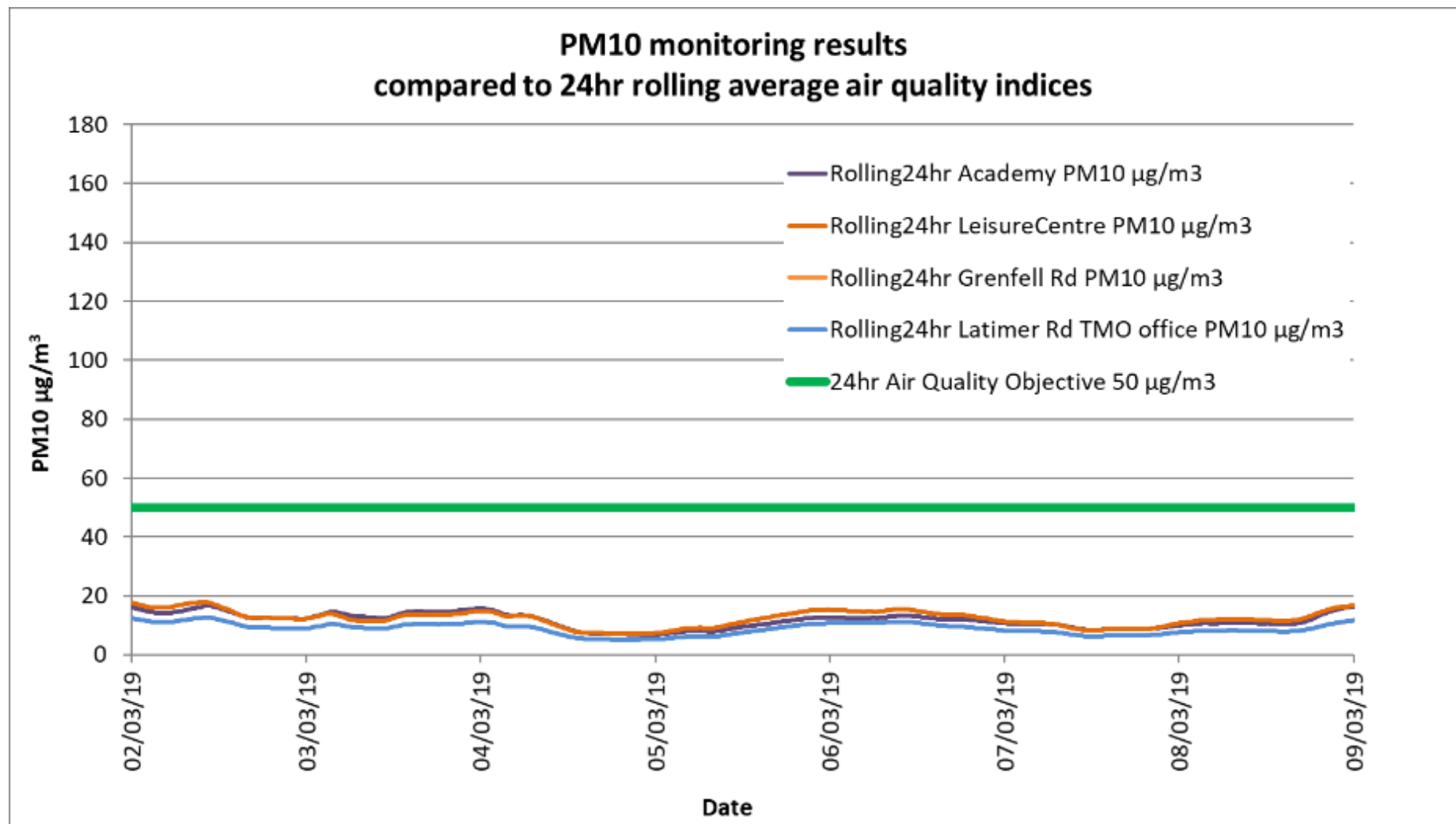


Figure 90

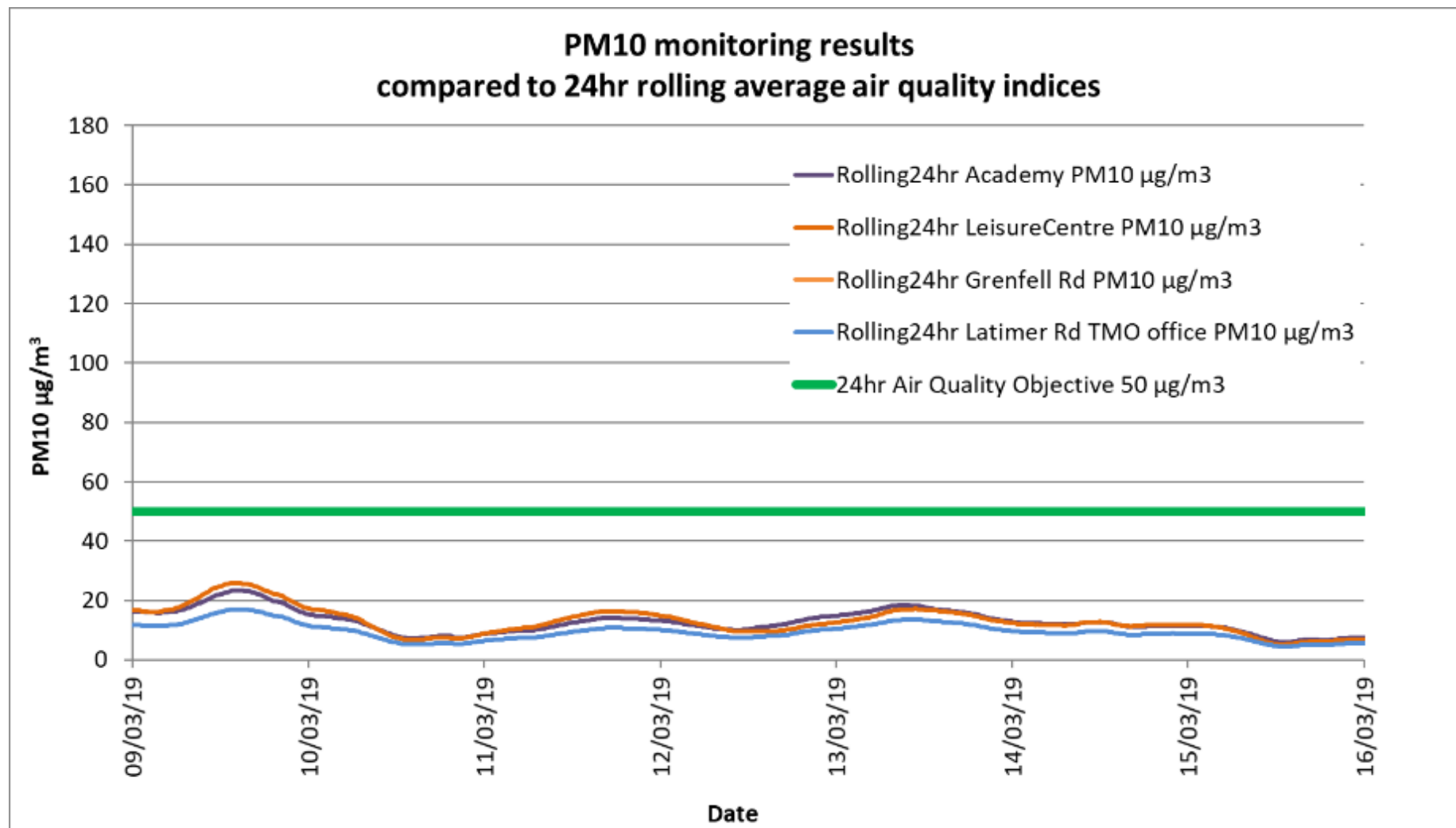


Figure 91

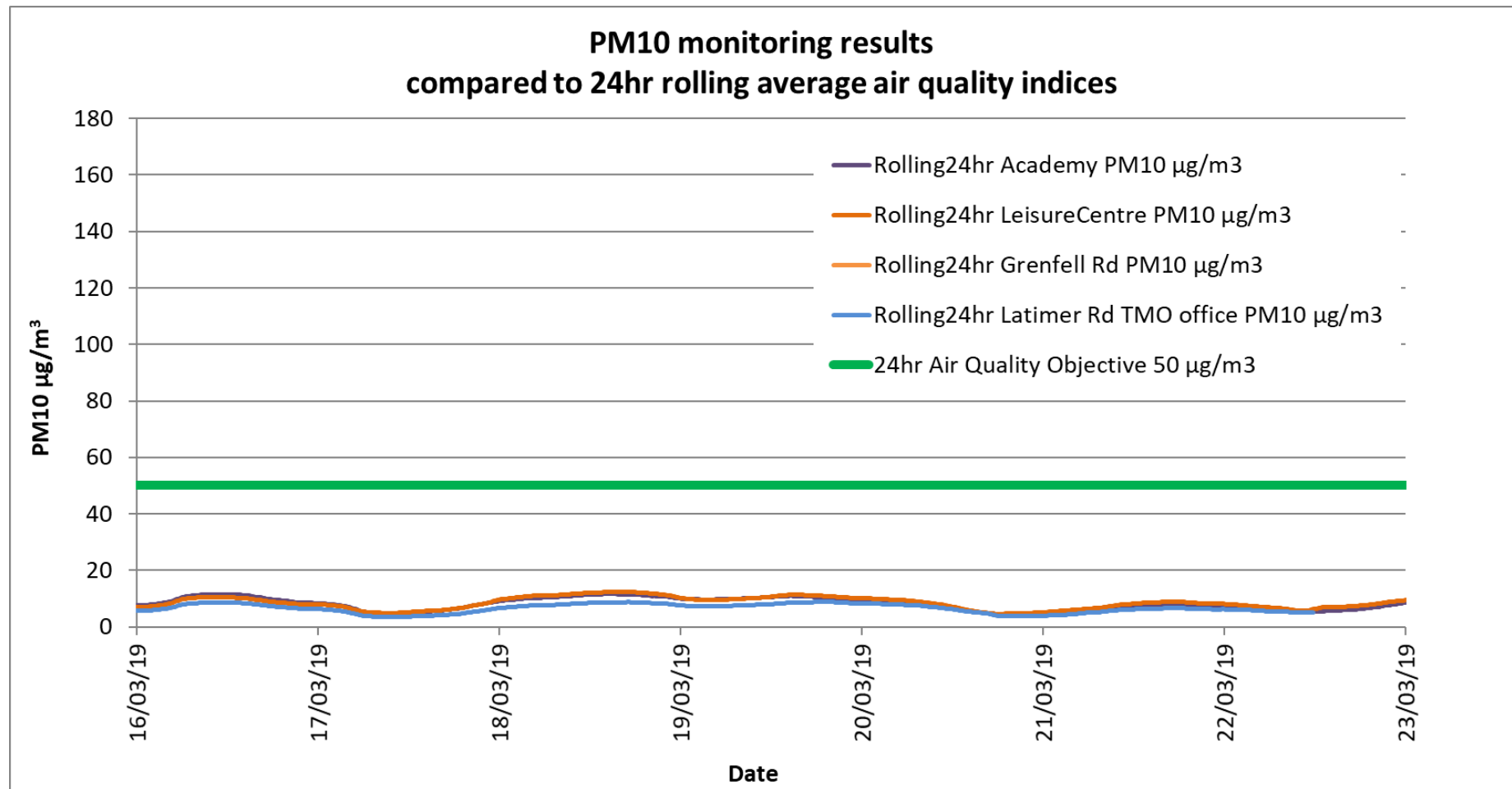


Figure 92

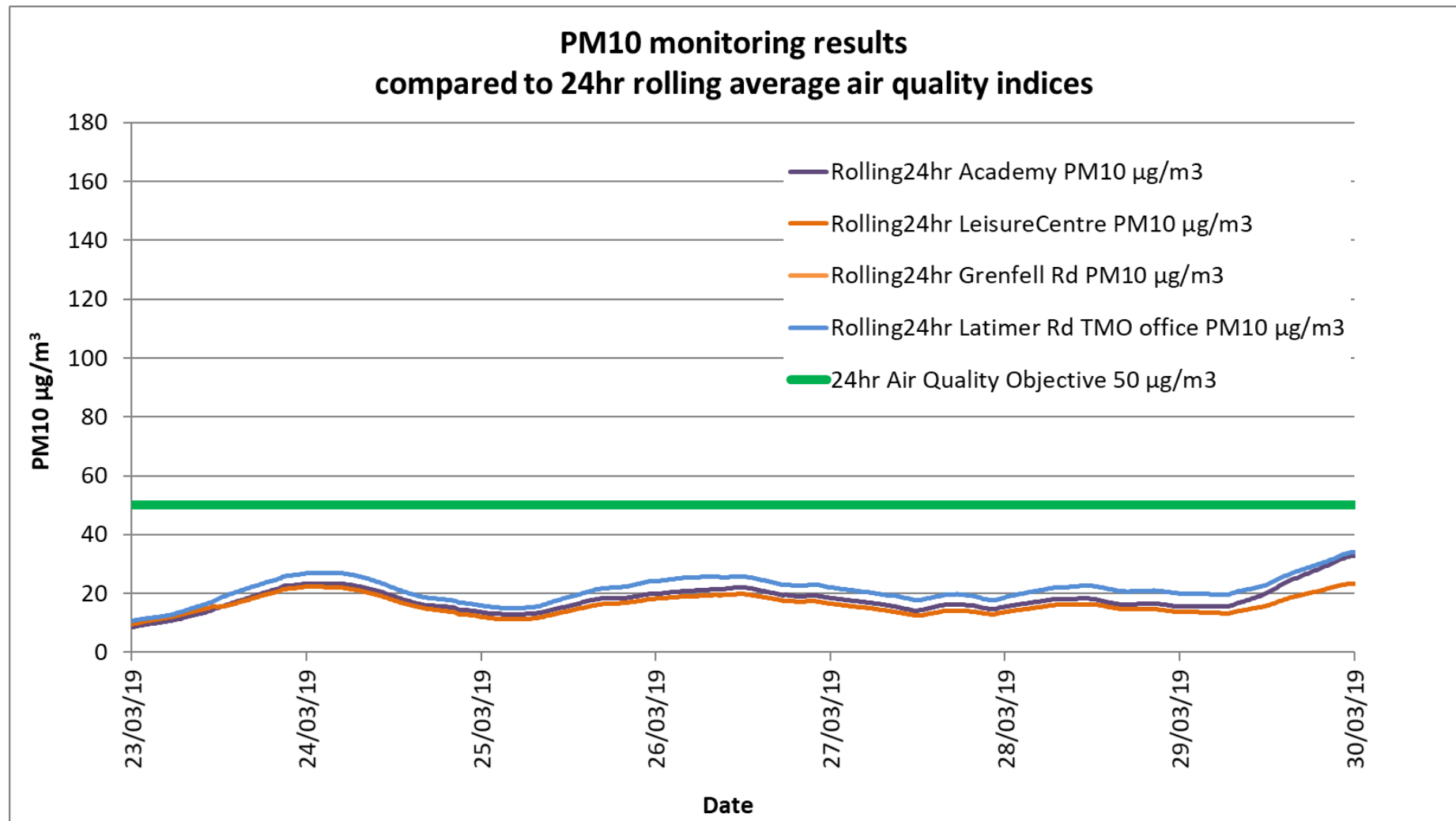


Figure 93

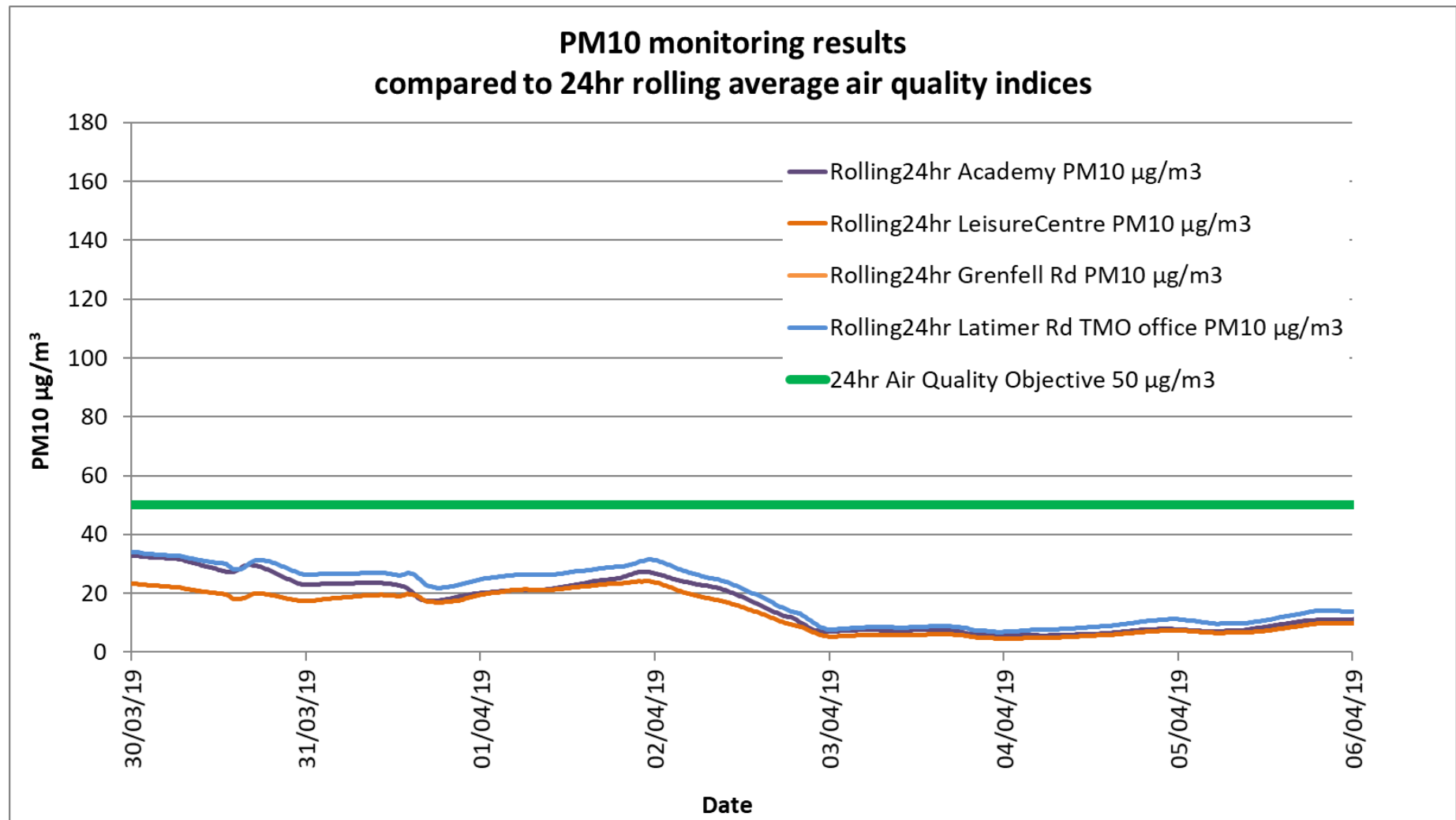




Figure 94

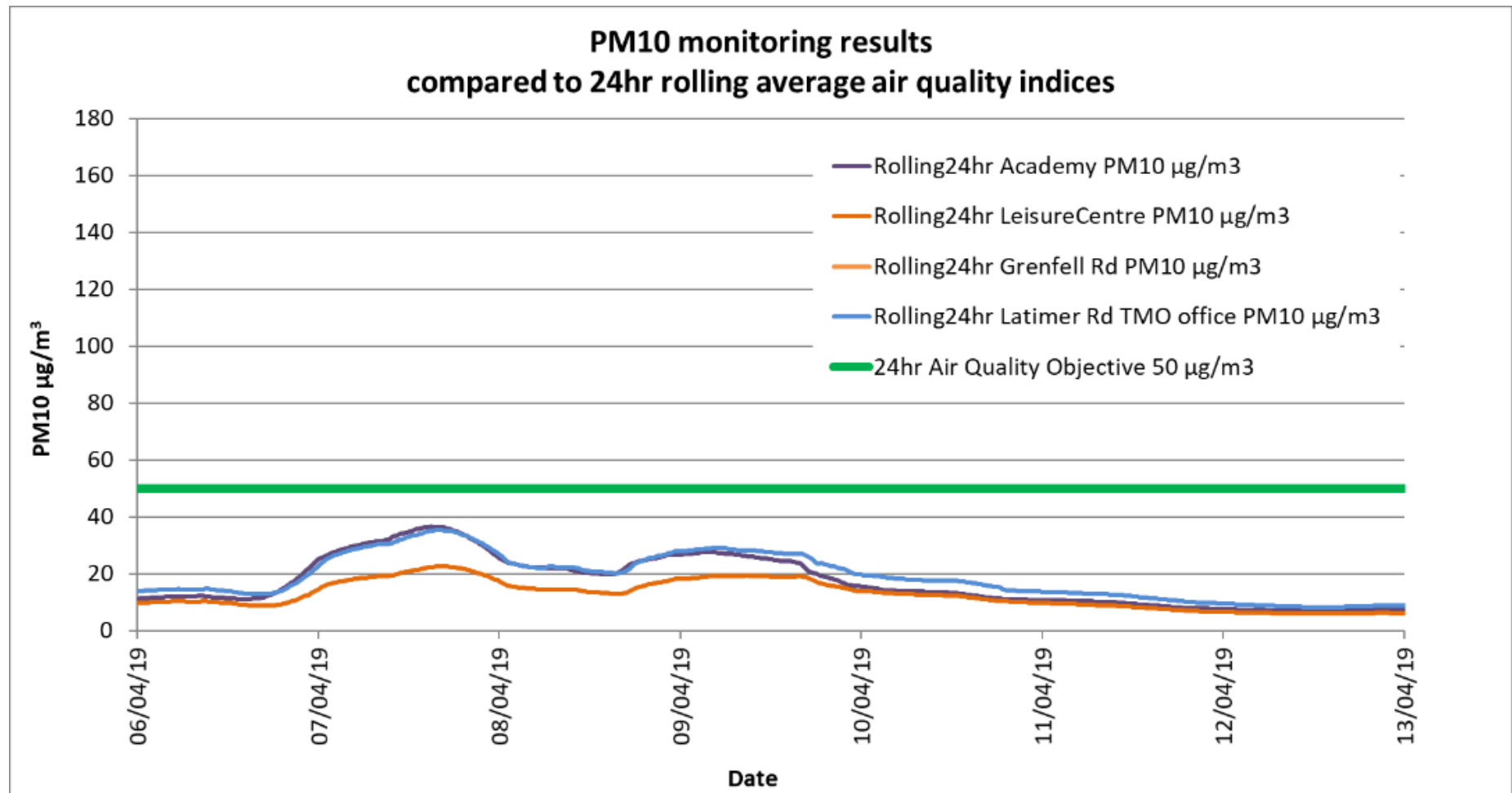


Figure 95

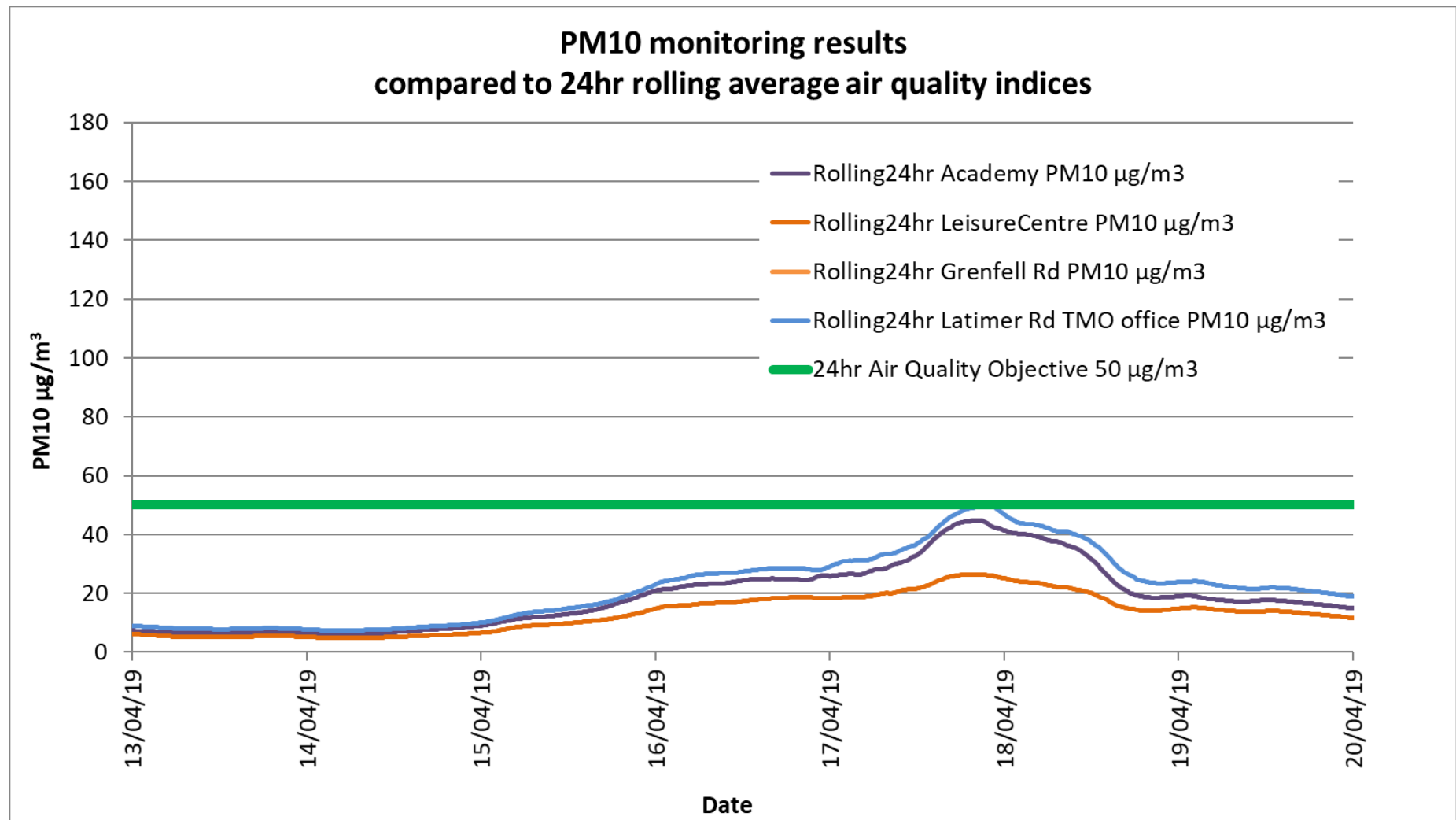


Figure 96

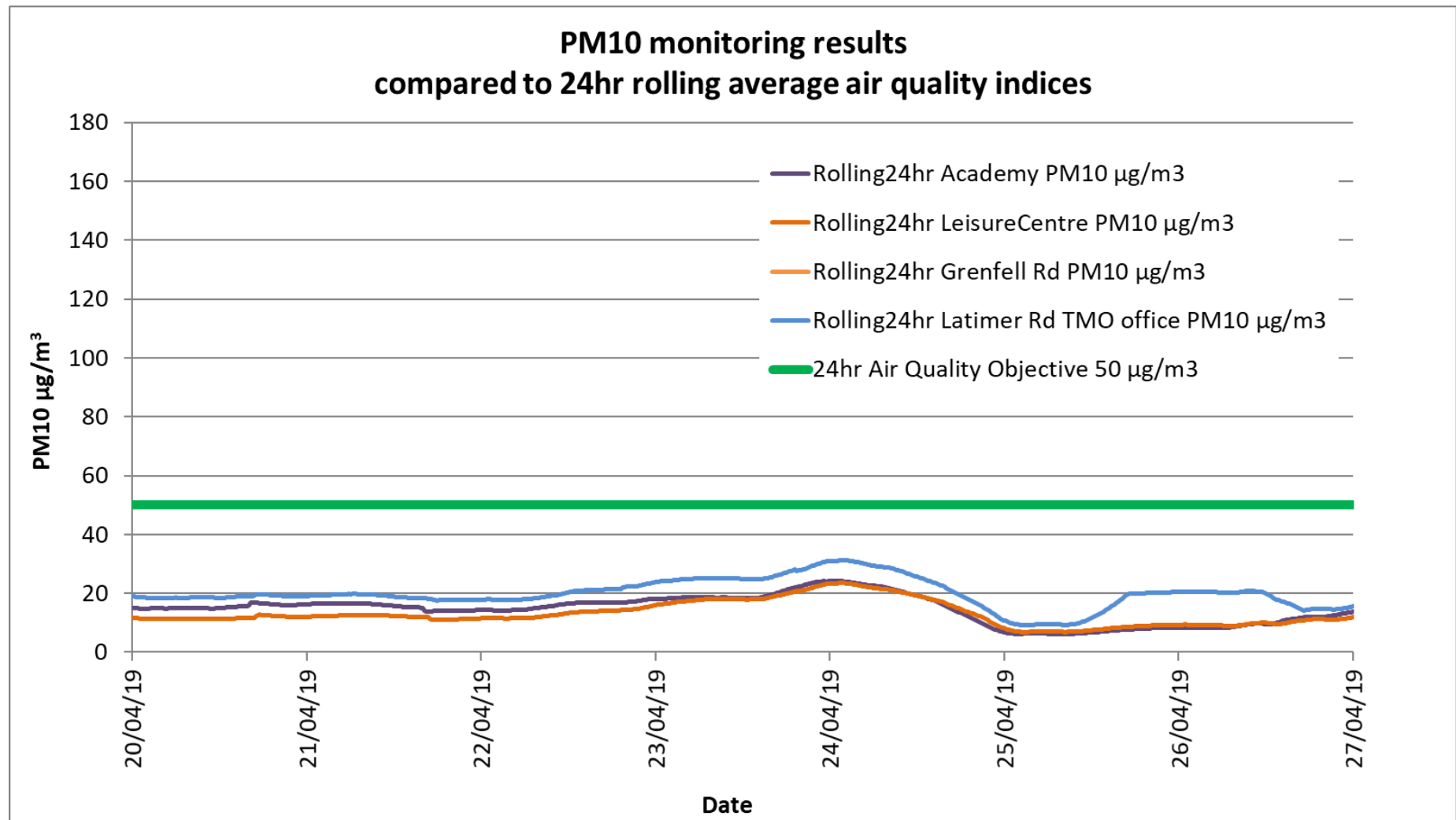


Figure 97

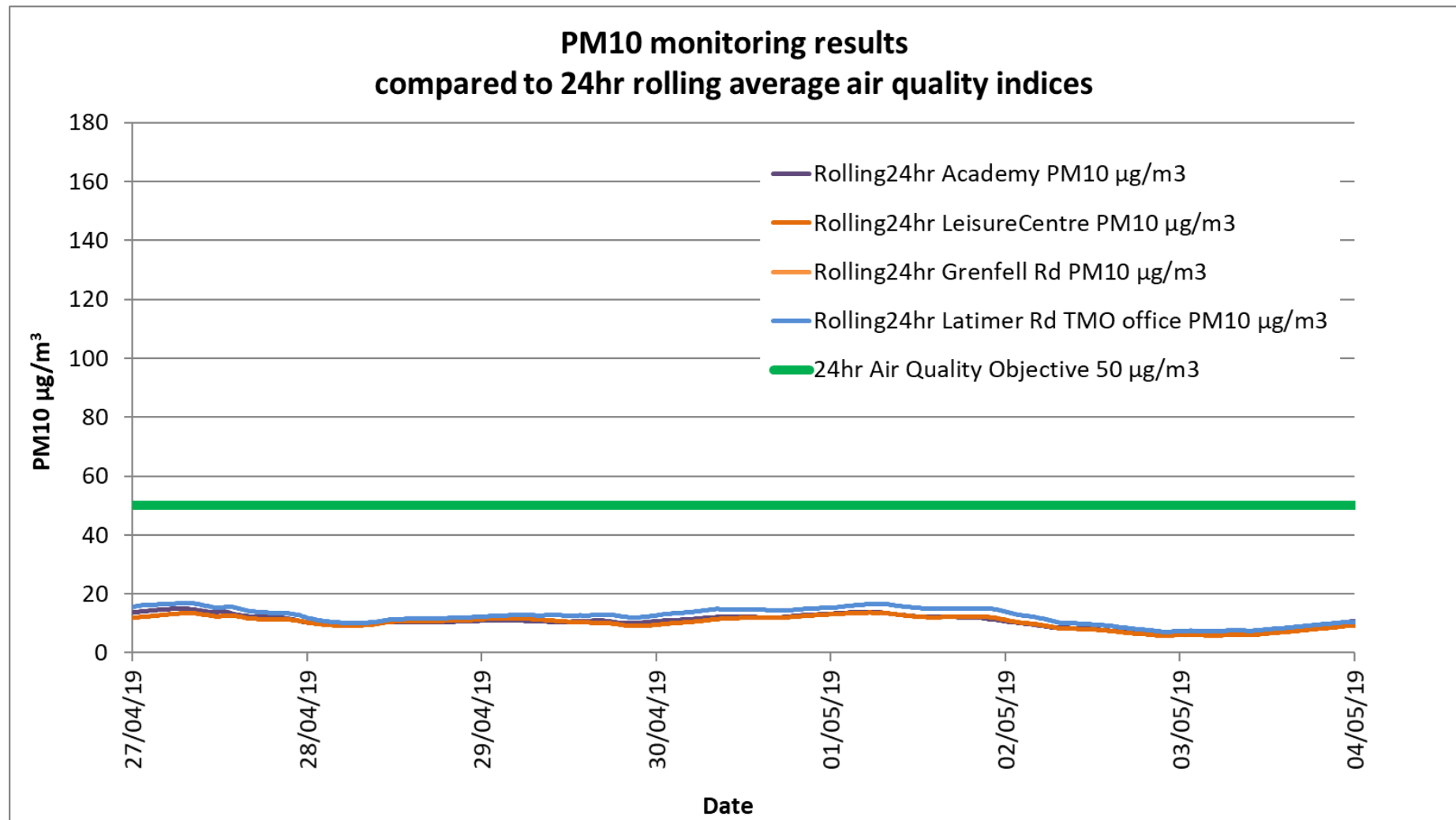


Figure 98

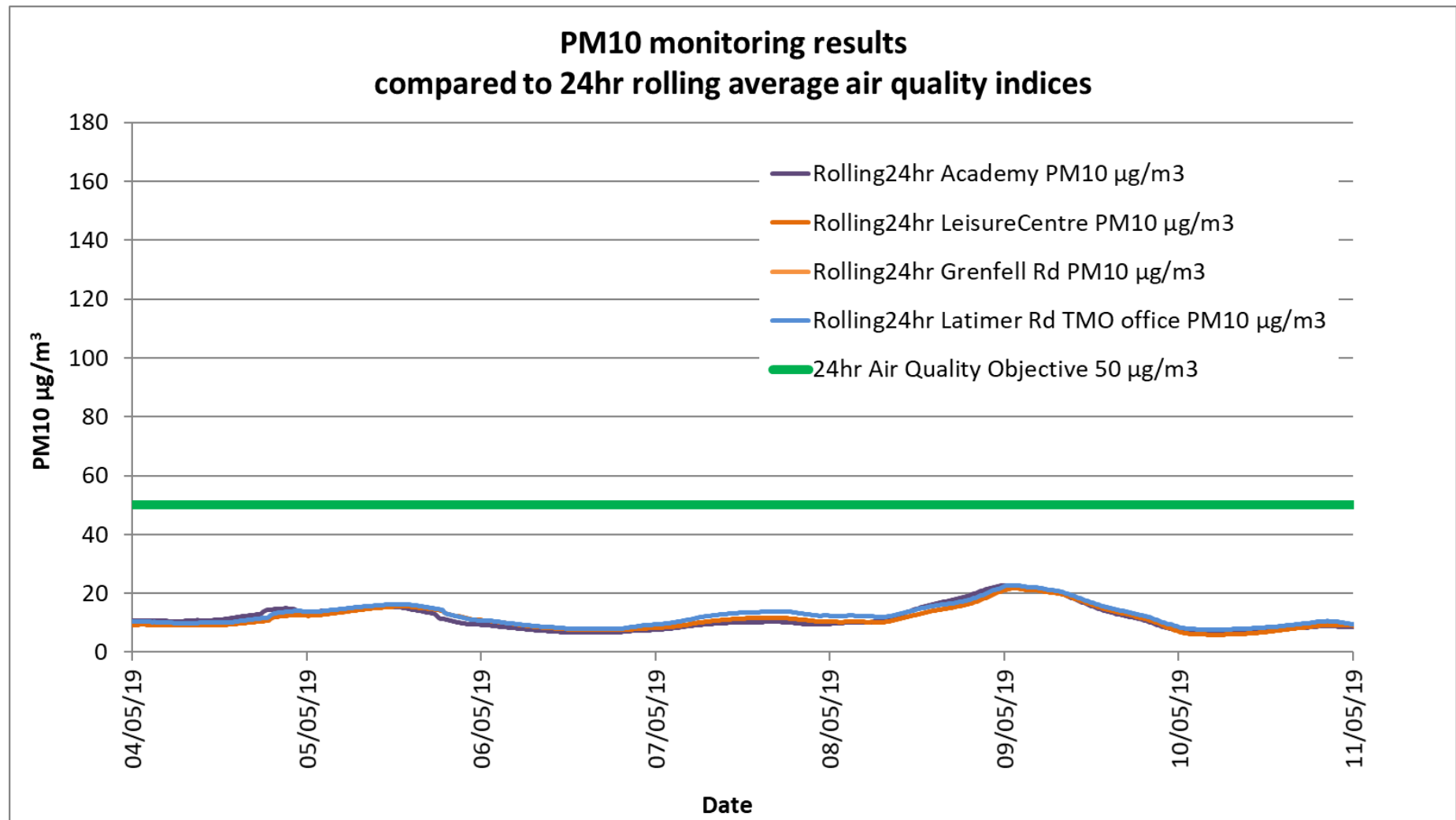


Figure 99

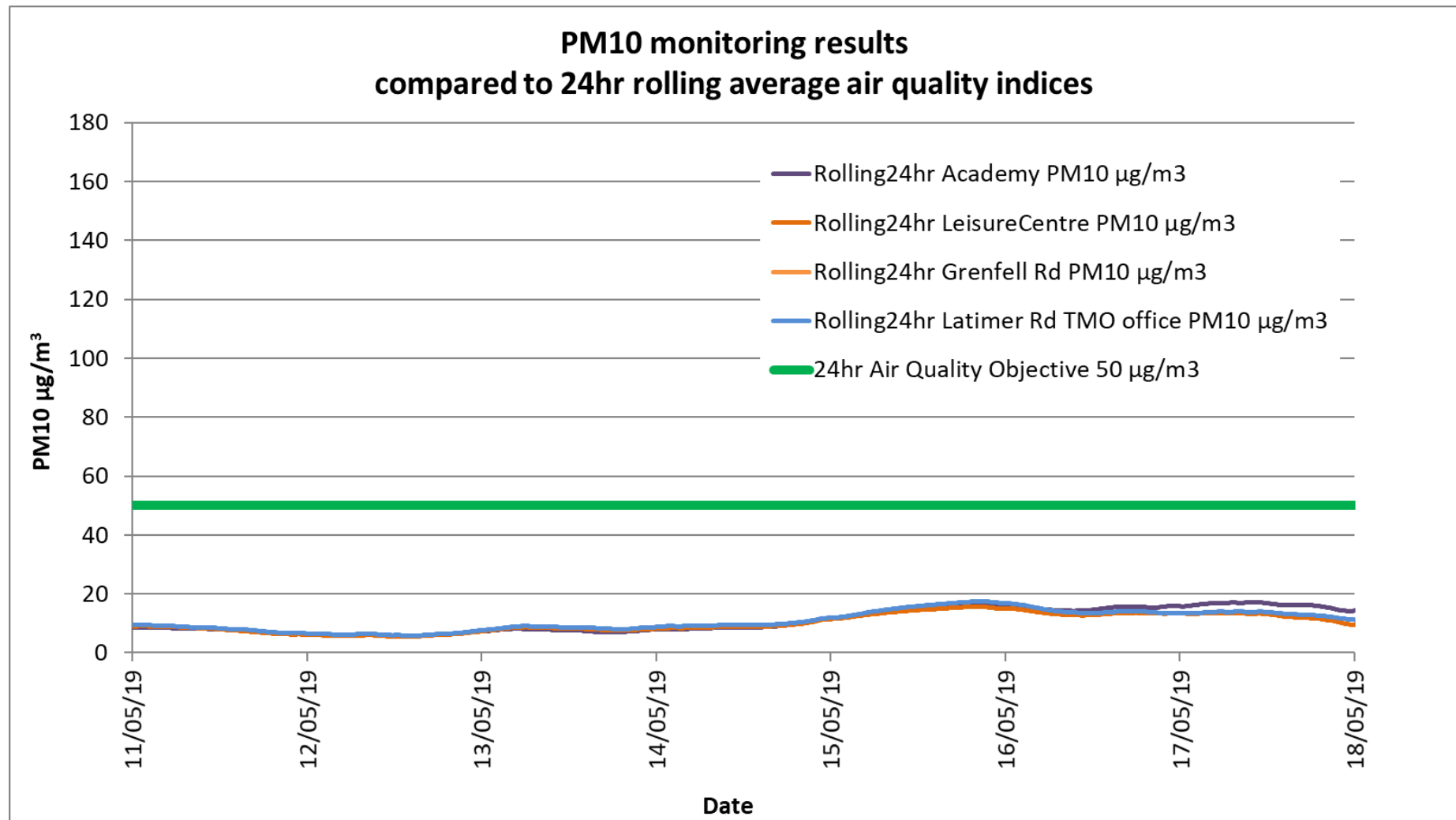


Figure 100

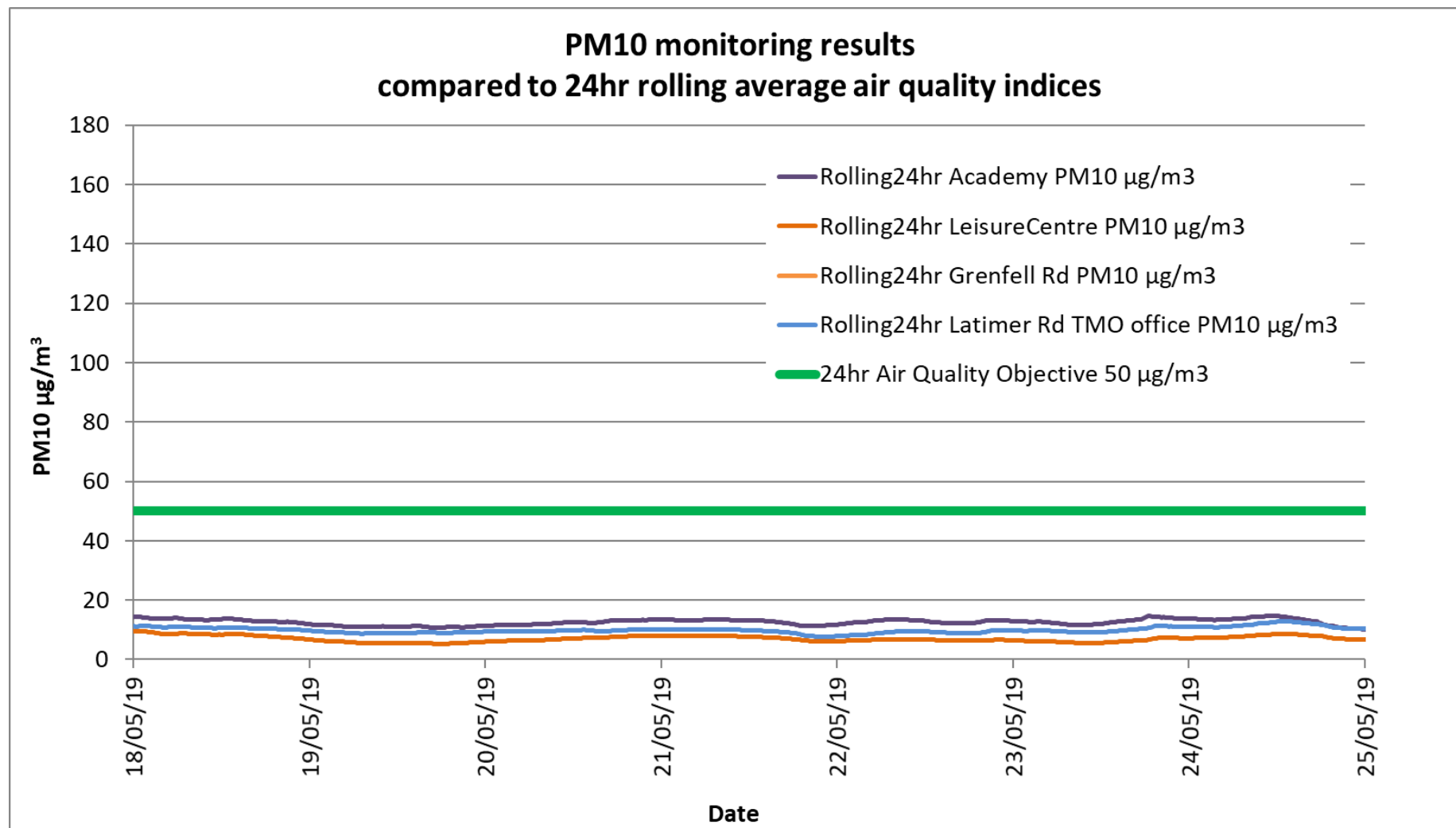


Figure 101

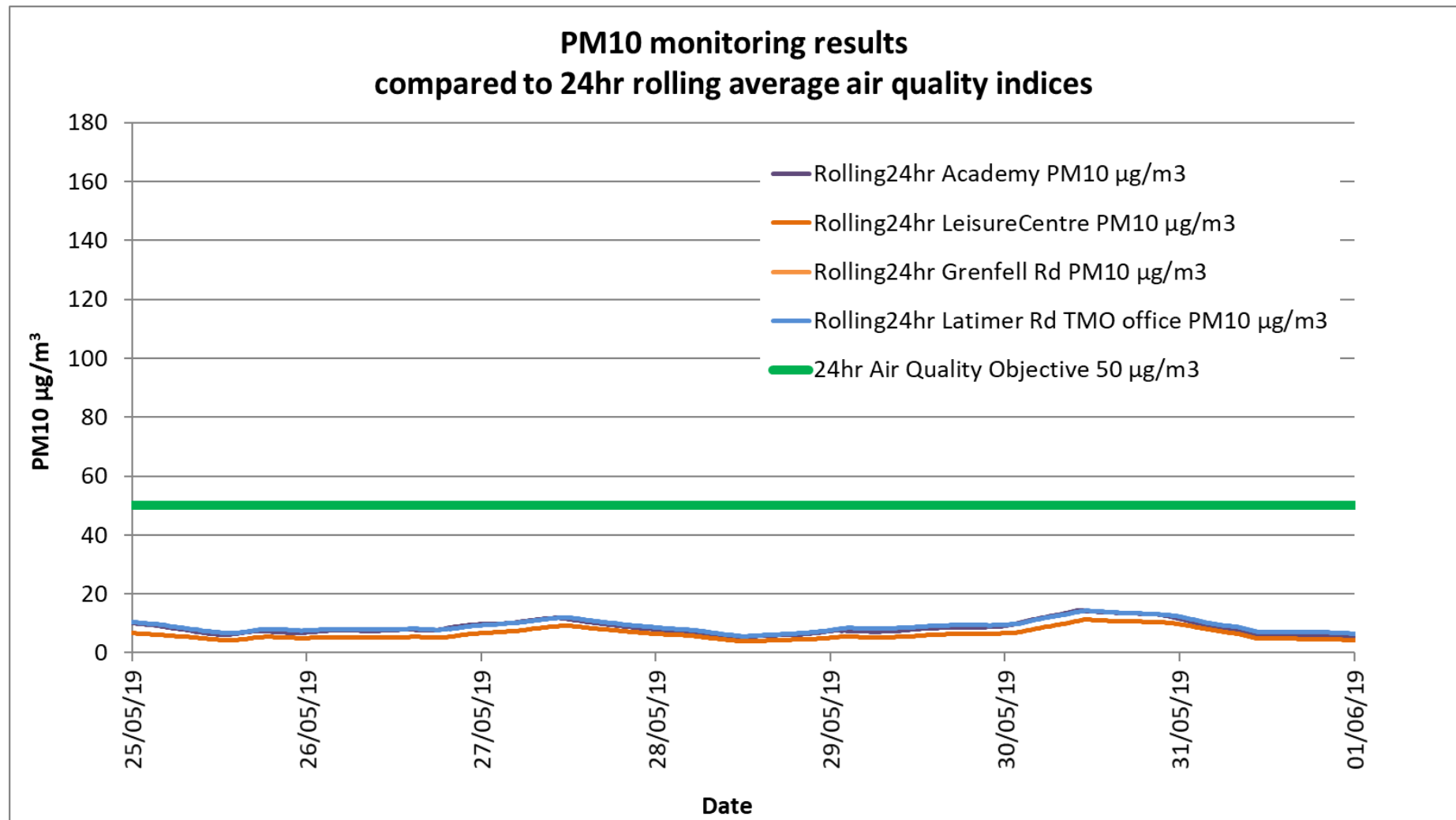




Figure 102

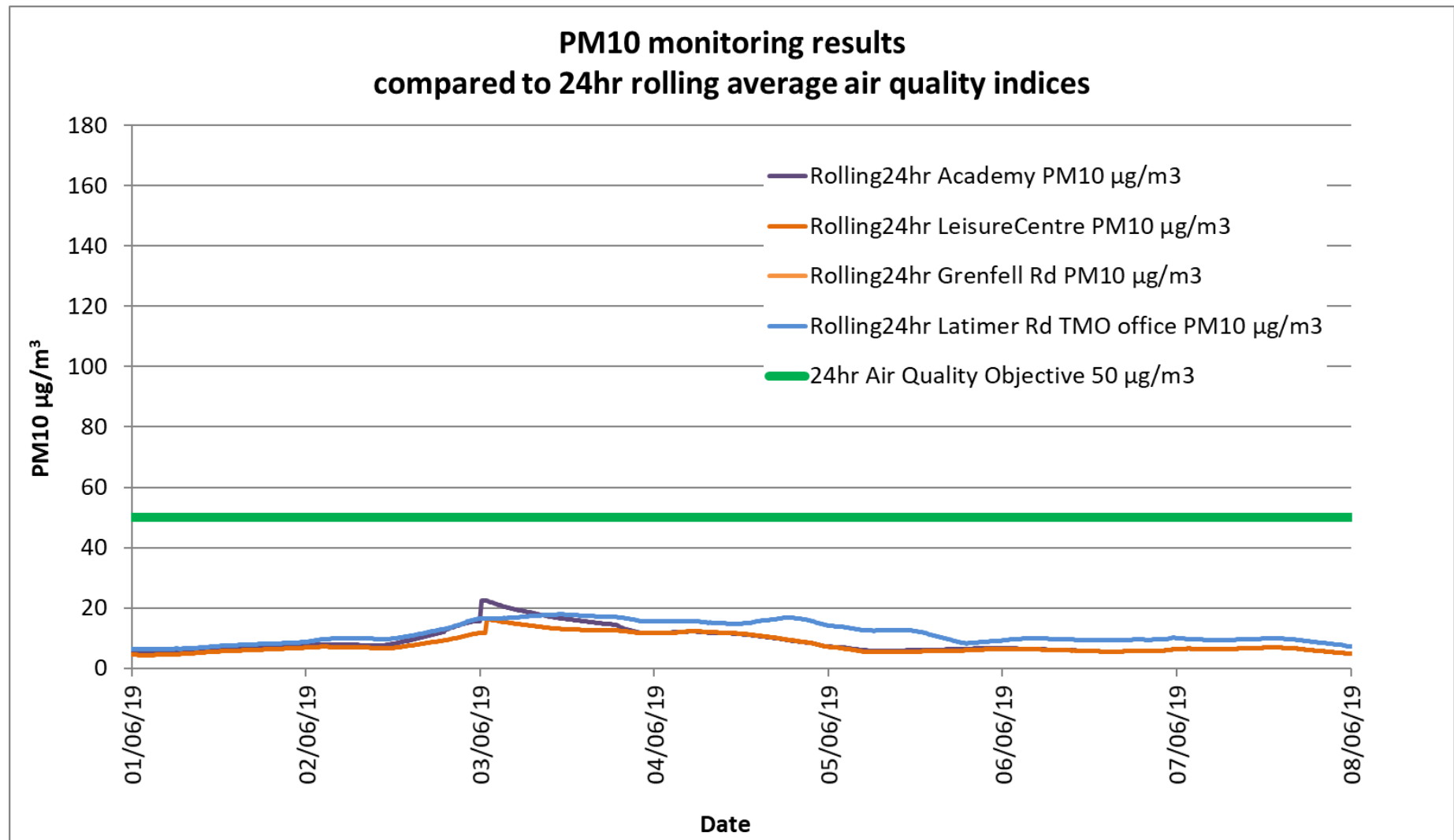


Figure 103

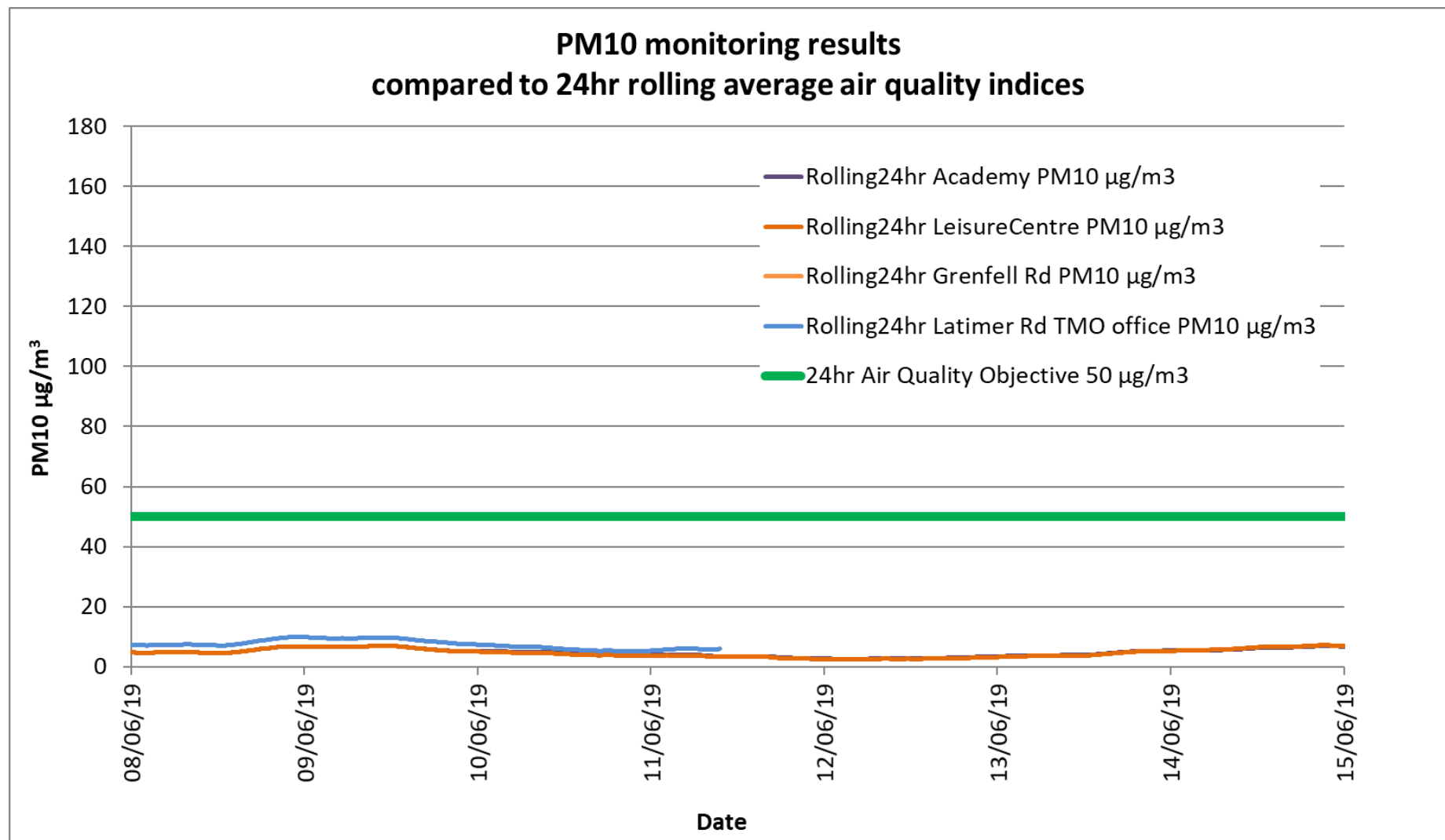


Figure 104

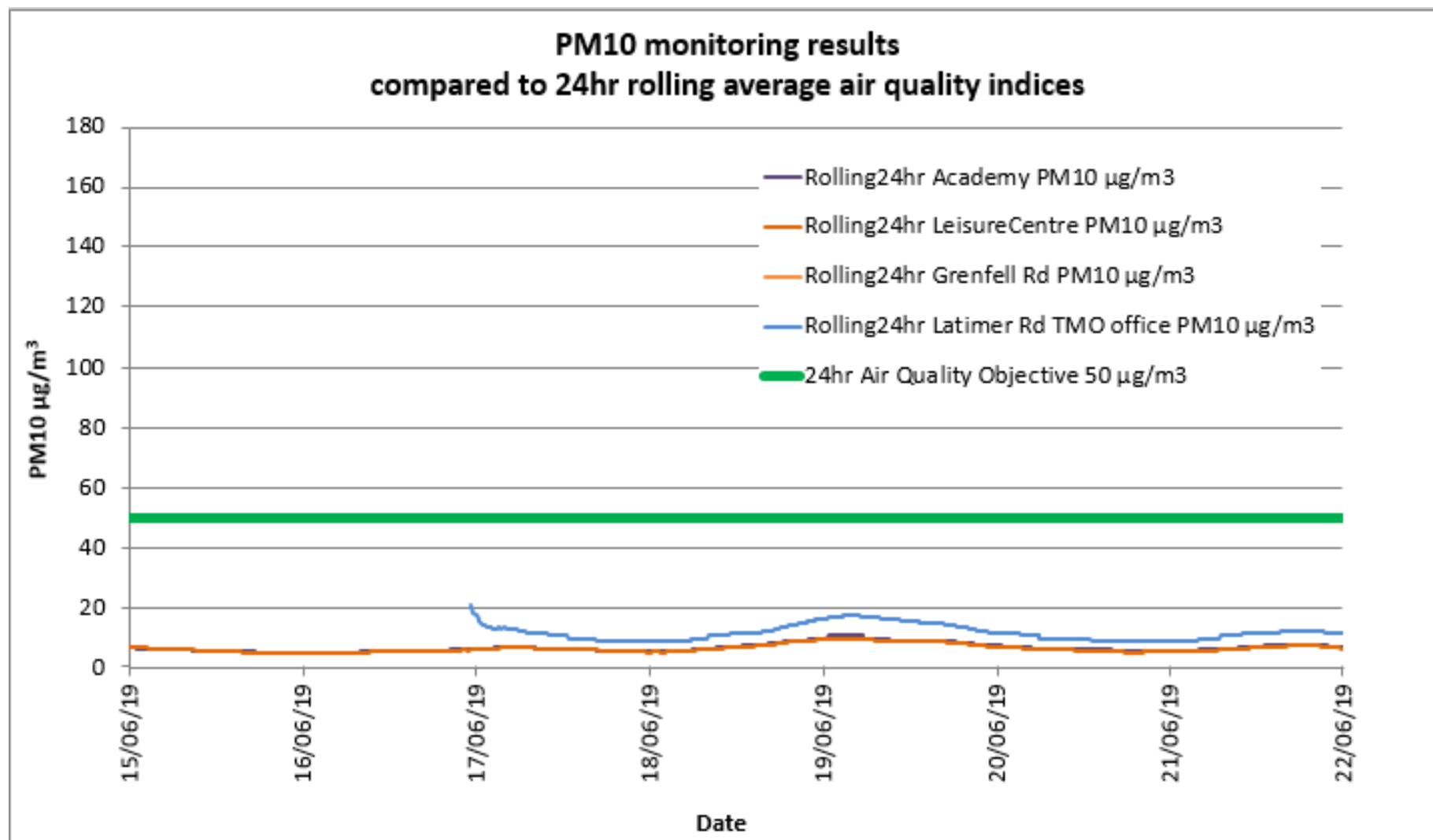
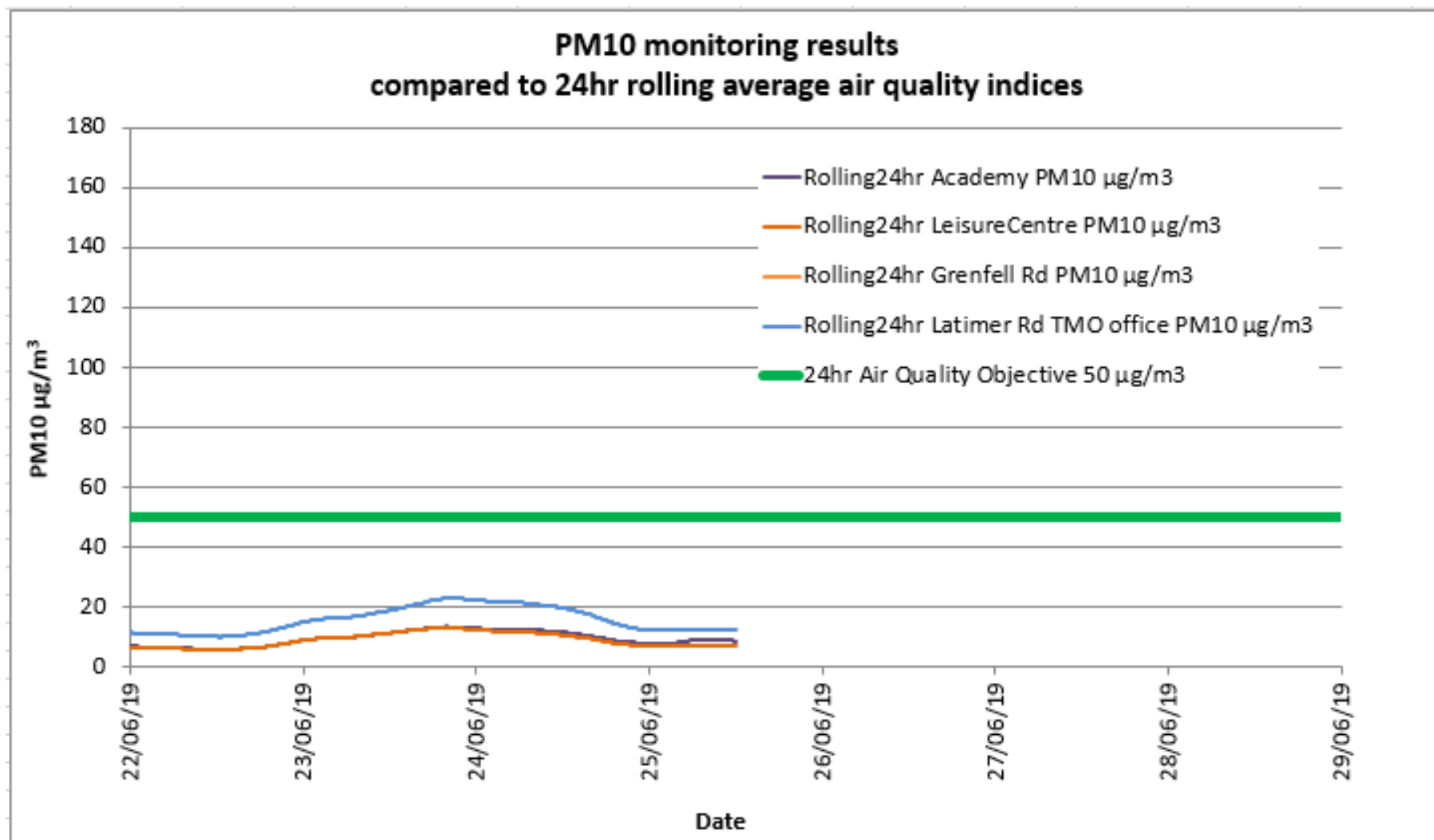


Figure 105



## Dioxin, furan, dioxin-like polychlorinated biphenyl (PCB) and polycyclic aromatic hydrocarbon (PAH) results

Concentrations of dioxins, furans and dioxin-like polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs) are being measured at 2 locations close to Grenfell Tower, on the Kensington Academy roof and on Grenfell Road. The monitoring data reviewed here covers the periods from 3 to 31 July 2017, 31 July to 25 August 2017, 25 August to 22 September 2017, 22 September to 20 October 2017, 20 October to 17 November 2017, 17 November to 15 December 2017, 8 January to 2 February 2018, 2 February to 6 March 2018, 6 March to 6 April 2018, 6 April to 9 May 2018, 9 May to 29 May/13 June 2018, 18 June to 19 July 2018 and 19 July to 20 August 2018.

The term 'dioxins' is commonly used to refer to a group of over 200 compounds, including polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (PCDDs and PCDFs), of which less than 20 are considered to be biologically active. In addition, twelve of the 209 polychlorinated biphenyls (PCBs) exhibit similar biological activity to dioxins, and are therefore referred to as "dioxin-like PCBs"<sup>1</sup>.

Dioxin-like compounds normally exist in the environment as mixtures of compounds (congeners). During risk assessments, because these compounds have similar biological effects they can be assessed on a toxic equivalency (TEQ) basis, in which each compound is assigned a relative potency compared to the reference compound 2,3,7,8-tetrachloro dibenzo-p-dioxin. The total toxicity of the sample is calculated by adding together all the TEQs for the detected compounds<sup>2</sup>.

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 3 to 31 July 2017:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>~</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.036	0.00036	675.38	0.53
OCDD	0.009	0.00001	675.38	0.01
<b>Furans</b>				
1,2,3,4,6,7,8-HpCDF	0.014	0.00014	675.38	0.21
<b>PCBs</b>				
PCB BZ#118	3.3	0.00033	675.38	0.49

<sup>1</sup> <https://cot.food.gov.uk/cotstatements/cotstatementsyrs/cotstatements2001/dioxinsstate>

<sup>2</sup> [http://www.euro.who.int/\\_\\_data/assets/pdf\\_file/0016/123064/AQG2ndEd\\_5\\_10PCBs.PDF](http://www.euro.who.int/__data/assets/pdf_file/0016/123064/AQG2ndEd_5_10PCBs.PDF)

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>o</sup> /m <sup>3</sup> )
PCB BZ#105	1.1	0.00011	675.38	0.16
<b>Total</b>				<b>1.40</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>) \*\*fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

Dioxin, Furan and PCB measured at Kensington Academy during 31 July to 25 August 2017:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>o</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.023	0.00023	605.92	0.38
OCDD	0.052	0.00001	605.92	0.02
<b>Furans</b>				
1,2,3,4,6,7,8-HpCDF	0.0097	0.00010	605.92	0.16
OCDF	0.0053	0.0000***	605.92	0.00
<b>Total</b>				<b>0.56</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

\*\*fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

\*\*\*A WHO TEQ result of 0 is reported due to rounding, as the result is multiplied by 0.0001 due to the weak dioxin-like activity of OCDF

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 25 August to 22 September 2017:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>o</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.040	0.00040	687.01	0.58
OCDD	0.099	0.00001	687.01	0.01
<b>Furans</b>				
1,2,3,4,6,7,8-HxCDF	0.0074	0.00074	687.01	1.08
2,3,4,6,7,8-HxDF	0.0080	0.00080	687.01	1.16
1,2,3,4,6,7,8-HpCDF	0.019	0.00019	687.01	0.28
OCDF	0.017	0.00000***	687.01	0.00
<b>PCBs</b>				
PCB BZ#118	3.1	0.00031	687.01	0.45
PCB BZ#105	0.9	0.00009	687.01	0.13
<b>Total</b>				<b>3.69</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

\*\*fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

\*\*\*A WHO TEQ result of 0 is reported due to rounding, as the result is multiplied by 0.0001 due to the weak dioxin-like activity of OCDF

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 22 September to 20 October 2017:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
2,3,7,8-TCDD	0.0025	0.0025	671.26	3.72
1,2,3,7,8-PeCDD	0.0027	0.0027	671.26	4.02
1,2,3,4,7,8-HxCDD	0.0049	0.00049	671.26	0.73
1,2,3,7,8,9-HxCDD	0.0081	0.00081	671.26	1.21
1,2,3,4,6,7,8-HpCDD	0.060	0.00060	671.26	0.89
OCDD	0.11	0.00001	671.26	0.02
<b>Furans</b>				
2,3,7,8-TCDF	0.0052	0.00052	671.26	0.77
2,3,4,7,8-PeCDF	0.0043	0.0022	671.26	3.28
1,2,3,6,7,8-HxCDF	0.0058	0.00058	671.26	0.86
<b>PCBs</b>				
PCB BZ#77	0.5	0.00005	671.26	0.07
PCB BZ#123	0.7	0.00007	671.26	0.10
PCB BZ#118	3.1	0.00031	671.26	0.46
PCB BZ#105	1.0	0.00010	671.26	0.15
<b>Total</b>				<b>16.29</b>

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 20 October to 17 November 2017:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,7,8-HxCDD	0.0066	0.00066	623.03	1.06
1,2,3,6,7,8-HxCDD	0.0073	0.00073	623.03	1.17
1,2,3,7,8,9-HxCDD	0.0088	0.00088	623.03	1.41
1,2,3,4,6,7,8-HpCDD	0.091	0.00091	623.03	1.46
OCDD	0.25	0.00002	623.03	0.03
<b>Furans</b>				
2,3,7,8-TCDF	0.012	0.0012	623.03	1.93
2,3,4,7,8-PeCDF	0.015	0.0075	623.03	12.04
1,2,3,4,7,8-HxCDF	0.013	0.0013	623.03	2.09
2,3,4,6,7,8-HxCDF	0.015	0.0015	623.03	2.41
1,2,3,4,6,7,8-HpCDF	0.040	0.00040	623.03	0.64
OCDF	0.025	0.00000***	623.03	0.00
<b>PCBs</b>				
PCB BZ#118	2.5	0.00025	623.03	0.40
PCB BZ#105	0.9	0.00009	623.03	0.14
<b>Total</b>				<b>24.78</b>

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 20 October to 17 November 2017:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,7,8-HxCDD	0.0066	0.00066	623.03	1.06
1,2,3,6,7,8-HxCDD	0.0073	0.00073	623.03	1.17
1,2,3,7,8,9-HxCDD	0.0088	0.00088	623.03	1.41
1,2,3,4,6,7,8-HpCDD	0.091	0.00091	623.03	1.46
OCDD	0.25	0.00002	623.03	0.03

<b>Furans</b>				
2,3,7,8-TCDF	0.012	0.0012	623.03	1.93
2,3,4,7,8-PeCDF	0.015	0.0075	623.03	12.04
1,2,3,4,7,8-HxCDF	0.013	0.0013	623.03	2.09
2,3,4,6,7,8-HxCDF	0.015	0.0015	623.03	2.41
1,2,3,4,6,7,8-HpCDF	0.040	0.00040	623.03	0.64
OCDF	0.025	0.00000***	623.03	0.00
<b>PCBs</b>				
PCB BZ#118	2.5	0.00025	623.03	0.40
PCB BZ#105	0.9	0.00009	623.03	0.14
<b>Total</b>				<b>24.78</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

\*\*fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

\*\*\*A WHO TEQ result of 0 is reported due to rounding, as the result is multiplied by 0.0001 due to the weak dioxin-like activity of

OCDF

### Dioxin, Furan and PCB concentrations measured at Kensington Academy during 17 November to 15 December 2017:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>**</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.15	0.0015	619.09	2.42
OCDD	0.24	0.00002	619.09	0.03
<b>Furans</b>				
2,3,4,7,8-PeCDF	0.032	0.016	619.09	25.84
1,2,3,4,7,8-HxCDF	0.026	0.0026	619.09	4.20
1,2,3,6,7,8-HxCDF	0.027	0.0027	619.09	4.36
2,3,4,6,7,8-HxCDF	0.045	0.0045	619.09	7.27
1,2,3,4,6,7,8-HpCDF	0.080	0.00080	619.09	1.29
OCDF	0.033	0.00000***	619.09	0.00
<b>PCBs</b>				
PCB BZ#118	1.5	0.00015	619.09	0.24
<b>Total</b>				<b>45.65</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

\*\*fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

\*\*\*A WHO TEQ result of 0 is reported due to rounding, as the result is multiplied by 0.0001 due to the weak dioxin-like activity of

OCDF

### Dioxin, Furan and PCB concentrations measured at Kensington Academy during 8 January to 2 February 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>**</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
OCDD	0.12	0.00001	597.6	0.02
<b>PCBs</b>				
PCB BZ#118	2.0	0.00020	597.6	0.33
PCB BZ#105	0.6	0.00006	597.6	0.10
<b>Total</b>				<b>0.45</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

\*\*fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)



Dioxin, Furan and PCB concentrations measured at Kensington Academy during 2 February to 6 March 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
OCDD	0.15	0.00001	781.02	0.01
<b>PCBs</b>				
PCB BZ#118	1.4	0.00014	781.02	0.18
<b>Total</b>				<b>0.19</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

∞fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 6 March to 6 April 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.051	0.00051	748.47	0.68
OCDD	0.13	0.00001	748.47	0.01
1,2,3,4,6,7,8-HpCDF	0.02	0.00020	748.47	0.27
OCDF	0.014	0.00000***	748.47	0.00
<b>PCBs</b>				
PCB BZ#118	1.6	0.00016	748.47	0.21
PCB BZ#105	0.5	0.00005	748.47	0.07
<b>Total</b>				<b>1.24</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

∞fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

\*\*\*A WHO TEQ result of 0 is reported due to rounding, as the result is multiplied by 0.0001 due to the weak dioxin-like activity of OCDF

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 6 April to 9 May 2018:

No results were obtained for this site during this period due to a problem with the sampling device.

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 9 May to 29 May 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>PCBs</b>				
PCB BZ#118	1.7	0.00017	490.34	0.35
<b>Total</b>				<b>0.35</b>

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 18 June to 19 July 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,7,8-PeCDD	0.014	0.014	548.81	25.51
1,2,3,4,7,8-HxCDD	0.011	0.0011	548.81	2.00
1,2,3,6,7,8-HxCDD	0.018	0.0018	548.81	3.28
1,2,3,7,8,9-HxCDD	0.017	0.0017	548.81	3.10

Compound	Result (ng <sup>*</sup> )	WHO TEQ (ng <sup>*</sup> )	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
1,2,3,4,6,7,8-HpCDD	0.11	0.0011	548.81	2.00
OCDD	0.17	0.00002	548.81	0.04
<b>Furans</b>				
2,3,7,8-TCDF	0.025	0.0025	548.81	4.56
1,2,3,7,8-PeCDF	0.016	0.00080	548.81	1.46
2,3,4,7,8-PeCDF	0.032	0.016	548.81	29.15
1,2,3,4,7,8-HxCDF	0.038	0.0038	548.81	6.92
1,2,3,6,7,8-HxCDF	0.027	0.0027	548.81	4.92
2,3,4,6,7,8-HxCDF	0.037	0.0037	548.81	6.74
1,2,3,4,6,7,8-HpCDF	0.080	0.00080	548.81	1.46
OCDF	0.079	0.00001	548.81	0.02
<b>PCBs</b>				
PCB BZ#118	3.5	0.00035	548.81	0.64
PCB BZ#105	1.0	0.00010	548.81	0.18
<b>Total</b>				<b>91.98</b>

Dioxin, Furan and PCB concentrations measured at Kensington Academy during 19 July to 20 August 2018:

Compound	Result (ng <sup>*</sup> )	WHO TEQ (ng <sup>*</sup> )	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>PCBs</b>				
PCB BZ#118	5.5	0.00055	785.62	0.70
PCB BZ#105	1.9	0.00019	785.62	0.24
<b>Total</b>				<b>0.94</b>

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 3 to 31 July 2017:

Compound	Result (ng <sup>*</sup> )	WHO TEQ (ng <sup>*</sup> )	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.023	0.00023	672.06	0.34
<b>Furans</b>				
1,2,3,4,7,8-HxCDF	0.0078	0.00078	672.06	1.16
2,3,4,6,7,8-HxCDF	0.0078	0.00078	672.06	1.16
1,2,3,4,6,7,8-HpCDF	0.014	0.00014	672.06	0.21
<b>PCBs</b>				
PCB BZ#118	4.6	0.00046	672.06	0.68
PCB BZ#105	1.3	0.00013	672.06	0.19
<b>Total</b>				<b>3.74</b>

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 31 July to 25 August 2017:

Compound	Result (ng <sup>*</sup> )	WHO TEQ (ng <sup>*</sup> )	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>∞</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.029	0.00029	617.42	0.47
OCDD	0.069	0.00001	617.42	0.02
<b>Furans</b>				
1,2,3,4,6,7,8-HpCDF	0.011	0.00011	617.42	0.18
OCDF	0.0067	0.00000***	617.42	0.00
<b>PCBs</b>				
PCB BZ#118	3.3	0.00033	617.42	0.53
PCB BZ#105	1	0.00010	617.42	0.16
<b>Total</b>				<b>1.36</b>

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 25 August to 22 September 2017:

Compound	Result (ng <sup>*</sup> )	WHO TEQ (ng <sup>*</sup> )	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>**</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.0037	0.00037	691.83	0.53
OCDD	0.0053	0.00001	691.83	0.01
<b>PCBs</b>				
PCB BZ#118	2.4	0.00024	691.83	0.35
PCB BZ#105	0.8	0.00008	691.83	0.12
<b>Total</b>				<b>1.01</b>

<sup>\*</sup>ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

<sup>\*\*</sup>fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 22 September to 20 October 2017:

Compound	Result (ng <sup>*</sup> )	WHO TEQ (ng <sup>*</sup> )	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>**</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.042	0.00042	597.01	0.70
OCDD	0.14	0.00001	597.01	0.02
<b>PCBs</b>				
PCB BZ#118	2.3	0.00023	597.01	0.39
PCB BZ#105	0.8	0.00008	597.01	0.13
<b>Total</b>				<b>1.24</b>

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 20 October to 17 November 2017:

A failure of the sampling pump invalidated the results for this sampling period.

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 17 November to 15 December 2017:

Compound	Result (ng <sup>*</sup> )	WHO TEQ (ng <sup>*</sup> )	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>**</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.098	0.00098	501.86	1.95
OCDD	0.17	0.00002	501.86	0.04
<b>Furans</b>				
2,3,7,8-TCDF	0.013	0.0013	501.86	2.59
1,2,3,7,8-PeCDF	0.0079	0.00040	501.86	0.80
2,3,4,7,8-PeCDF	0.019	0.0095	501.86	18.93
1,2,3,6,7,8-HxCDF	0.015	0.0015	501.86	2.99
2,3,4,6,7,8-HxCDF	0.020	0.0020	501.86	3.99
1,2,3,4,6,7,8-HpCDF	0.049	0.00049	501.86	0.98
OCDF	0.024	0.00000***	501.86	0.00
<b>PCBs</b>				
PCD BZ#118	1.4	0.00014	501.86	0.28
<b>Total</b>				<b>32.55</b>

<sup>\*</sup>ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

<sup>\*\*</sup>fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 8 January to 2 February 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>°</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
OCDD	0.12	0.00001	620.76	0.02
<b>Furans</b>				
1,2,3,4,6,7,8-HpCDF	0.017	0.00017	620.76	0.27
<b>PCBs</b>				
PCB BZ#118	1.5	0.00015	620.76	0.24
PCB BZ#105	0.5	0.00005	620.76	0.08
<b>Total</b>				<b>0.61</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

°fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 2 February 2018 to 6 March 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>°</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.065	0.00065	751.71	0.86
OCDD	0.13	0.00001	751.71	0.01
<b>PCBs</b>				
PCB BZ#118	1.1	0.00011	751.71	0.15
<b>Total</b>				<b>1.02</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

°fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 6 March to 6 April 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>°</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,4,6,7,8-HpCDD	0.042	0.00042	766.59	0.55
OCDD	0.11	0.00001	766.59	0.01
1,2,3,4,6,7,8-HpCDF	0.018	0.00018	766.59	0.23
OCDF	0.013	0.00000***	766.59	0.00
<b>PCBs</b>				
PCB BZ#118	1.6	0.00016	766.59	0.21
PCB BZ#105	0.6	0.00006	766.59	0.08
<b>Total</b>				<b>1.08</b>

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

°fg = femtogram 1 millionth of a nanogram (10<sup>-15</sup>)

\*\*\*A WHO TEQ result of 0 is reported due to rounding, as the result is multiplied by 0.0001 due to the weak dioxin-like activity of OCDF

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 6 April to 9 May 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>°</sup> /m <sup>3</sup> )
<b>PCBs</b>				
PCB BZ#118	3.1	0.00031	775.44	0.40
PCB BZ#105	1.0	0.00010	775.44	0.13
<b>Total</b>				<b>0.53</b>

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 9 May to 13 June 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>o</sup> /m <sup>3</sup> )
<b>PCBs</b>				
PCB BZ#118	4.0	0.00040	845.83	0.47
PCB BZ#105	1.1	0.00011	845.83	0.13
<b>Total</b>				<b>0.60</b>

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 18 June to 19 July 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>o</sup> /m <sup>3</sup> )
<b>Dioxins</b>				
1,2,3,7,8-PeCDD	0.015	0.015	665.09	22.55
1,2,3,4,7,8-HxCDD	0.016	0.0016	665.09	2.41
1,2,3,6,7,8-HxCDD	0.022	0.0022	665.09	3.31
1,2,3,7,8,9-HxCDD	0.013	0.0013	665.09	1.95
1,2,3,4,6,7,8-HpCDD	0.10	0.0010	665.09	1.50
OCDD	0.098	0.00001	665.09	0.02
<b>Furans</b>				
2,3,7,8-TCDF	0.024	0.0024	665.09	3.61
1,2,3,7,8-PeCDF	0.019	0.00095	665.09	1.43
2,3,4,7,8-PeCDF	0.045	0.023	665.09	34.58
1,2,3,4,7,8-HxCDF	0.034	0.0034	665.09	5.11
1,2,3,6,7,8-HxCDF	0.026	0.0026	665.09	3.91
2,3,4,6,7,8-HxCDF	0.040	0.0040	665.09	6.01
1,2,3,4,6,7,8-HpCDF	0.049	0.00049	665.09	0.74
<b>PCBs</b>				
PCB BZ#118	2.9	0.00029	665.09	0.44
PCB BZ#105	0.8	0.00008	665.09	0.12
<b>Total</b>				<b>87.69</b>

Dioxin, Furan and PCB concentrations measured at Grenfell Road during 19 July to 20 August 2018:

Compound	Result (ng*)	WHO TEQ (ng*)	Air Volume (m <sup>3</sup> )	WHO TEQ (fg <sup>o</sup> /m <sup>3</sup> )
<b>PCBs</b>				
PCB BZ#118	4.1	0.00041	761.39	0.54
PCB BZ#105	1.5	0.00015	761.39	0.20
<b>Total</b>				<b>0.74</b>

The dioxin-like activity detected in the air around the Grenfell site is broadly comparable to the most recent data currently available for London (collected in 2015). The dioxin-like activity levels were 1.40 fg WHO-1998 TEQ/m<sup>3</sup>, 0.56 fg WHO-1998 TEQ/m<sup>3</sup>, 3.69 fg WHO-1998 TEQ/m<sup>3</sup>, 0.45 fg WHO-1998 TEQ/m<sup>3</sup>, 0.19 fg WHO-1998 TEQ/m<sup>3</sup>, 1.24 fg WHO-1998 TEQ/m<sup>3</sup>, 0.35 fg WHO-1998 and 0.94 fg WHO-1998 TEQ/m<sup>3</sup> at the Kensington Academy site during the first (3 -31 July 2017), second (31 July - 25 August 2017), third (25 August - 22 September 2017) seventh (8 January - 2 February 2018), eighth (2 February 2018 - 6 March 2018), ninth (6 March 2018 - 6 April 2018), eleventh (9 May – 29 May 2018) and thirteenth (19 July - 20 August 2018) monitoring periods, respectively. The dioxin like activity levels of 16.29, 24.78, 45.65 and 91.98 fg WHO-1998 TEQ/m<sup>3</sup> at Kensington Academy for the

fourth (22 September - 20 October 2017), fifth (20 October - 17 November 2017), sixth (17 November - 15 December 2017) and twelfth (18 June – 19 July 2018) monitoring periods, respectively, are higher than the London background. However, background data collected across the UK indicate that dioxin-like activity levels differ seasonally and the levels detected at Kensington Academy do not represent a risk to health.

At the Grenfell Road site, dioxin-like activity was measured at 3.74 fg WHO1998-TEQ/m<sup>3</sup>, 1.36 fg WHO1998-TEQ/m<sup>3</sup>, 1.01 fg WHO-1998 TEQ/m<sup>3</sup>, 1.24 fg WHO-1998 TEQ/m<sup>3</sup>, 0.61 fg WHO-1998 TEQ, 1.02 fg WHO-1998 TEQ/m<sup>3</sup>, 1.08 fg WHO-1998 TEQ/m<sup>3</sup>, 0.53 fg WHO-1998 TEQ/m<sup>3</sup>, 0.60 fg WHO-1998 and 0.74 fg WHO-1998 TEQ/m<sup>3</sup> during the first (3 -31 July 2017), second (31 July - 25 August 2017), third (25 August - 22 September 2017), fourth (22 September - 20 October 2017), seventh (8 January - 2 February 2018), eighth (2 February 2018 - 6 March 2018), ninth (6 March 2018 - 6 April 2018), tenth (6 April - 9 May 2018), eleventh (9 May - 13 June 2018) and thirteenth (19 July - 20 August 2018) monitoring periods, respectively.

The dioxin like activity levels of 32.55 fg WHO-1998 TEQ/m<sup>3</sup> and 87.69 fg WHO-1998 TEQ/m<sup>3</sup> at Grenfell Road for the sixth (17 November to 15 December 2017) and twelfth (18 June to 19 July 2018) monitoring period is higher than the London background. However, background data collected across the UK indicate that dioxin-like activity levels differ seasonally and the levels detected at Grenfell Road do not represent a risk to health.

The average levels of dioxin-like activity for the whole monitoring period (July 2017-February 2018) were 15.63 fg WHO-1998 TEQ/m<sup>3</sup> for Kensington Academy and 11.01 fg WHO-1998 TEQ/m<sup>3</sup> for Grenfell Road. In comparison, the average 2015 dioxin-like activity in London was 4.3 fg WHO1998-TEQ/m<sup>3</sup> (based on detected dioxin and furan congeners only) as measured by the **Toxic Organic Micro Pollutant (TOMPS)** monitoring network.

## Polycyclic aromatic hydrocarbons

Polycyclic aromatic hydrocarbons (PAHs) are a diverse class of organic compounds. There are several hundred PAHs, which usually occur as complex mixtures rather than as individual compounds. Sixteen of these compounds have been designated High Priority Pollutants by the US Environmental Protection Agency (EPA) because of their potential toxicity to humans and their prevalence and environmental persistence.

PAH concentrations measured at Kensington Academy during 3 to 31 July 2017: A mechanical failure of the sampling pump invalidated the results for this sampling period.

PAH concentrations measured at Kensington Academy during 31 July to 25 August 2017: A failure of the sampling pump invalidated the results for this sampling period.

PAH concentrations measured at Kensington Academy during 25 August to 22 September 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	18	679.71	0.03	0.03-0.55
Benzo(a)Pyrene	27	679.71	0.04	0.03-0.66
Benzo(b/k)Fluoranthene	97	679.71	0.14	0.02-0.77
Benzo(ghi)Perylene	51	679.71	0.08	0.04-0.92
Chrysene	35	679.71	0.05	0.06-0.99
Fluoranthene	37	679.71	0.05	-
Indeno(123-cd)Pyrene	33	679.71	0.05	0.02-0.61
Phenanthrene	28	679.71	0.04	-
Pyrene	32	679.71	0.05	-

ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

PAH concentrations measured at Kensington Academy during 22 September to 20 October 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015/17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	19	642.00	0.03	0.03-0.55
Benzo(a)Pyrene	23	642.00	0.04	0.03-0.66
Benzo(b/k)Fluoranthene	120	642.00	0.19	0.02-0.77
Benzo(ghi)Perylene	59	642.00	0.09	0.04-0.92
Chrysene	42	642.00	0.07	0.06-0.99
Fluoranthene	39	642.00	0.06	-
Indeno(123-cd)Pyrene	40	642.00	0.06	0.02-0.61
Phenanthrene	24	642.00	0.04	-
Pyrene	35	642.00	0.05	-

ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

PAH concentrations measured at Kensington Academy 20 October to 17 November 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	54	485	0.11	0.03-0.55
Benzo(a)Pyrene	76	485	0.16	0.03-0.66
Benzo(ghi)Perylene	140	485	0.29	0.04-0.92
Dibenzo(ah)Anthracene	20	485	0.02	<0.01-0.1
Chrysene	110	485	0.23	0.06-0.99
Fluoranthene	49	485	0.10	-
Indeno(123-cd)Pyrene	90	485	0.19	0.02-0.61
Napthalene	33	485	0.04	-
Phenanthrene	27	485	0.06	-
Pyrene	45	485	0.09	-

PAH concentrations measured at Kensington Academy 17 November to 15 December 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	56	594	0.09	0.03-0.55
Benzo(a)Pyrene	58	594	0.10	0.03-0.66
Benzo(ghi)Perylene	91	594	0.15	0.04-0.92
Dibenzo(ah)Anthracene	13	594	0.02	<0.01-0.1
Chrysene	86	594	0.14	0.06-0.99
Fluoranthene	41	594	0.07	-
Indeno(123-cd)Pyrene	57	594	0.10	0.02-0.61
Phenanthrene	17	594	0.03	-
Pyrene	43	594	0.07	-

PAH concentrations measured at Kensington Academy 8 January to 2 February 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	55	615.2	0.09	0.03-0.55
Benzo(a)Pyrene	54	615.2	0.09	0.03-0.66
Benzo(ghi)Perylene	120	615.2	0.12	0.04-0.92
Dibenzo(ah)Anthracene	19	615.2	0.02	<0.01-0.1
Chrysene	84	615.2	0.14	0.06-0.99
Fluoranthene	69	615.2	0.11	-
Indeno(123-cd)Pyrene	79	615.2	0.13	0.02-0.61
Phenanthrene	37	615.2	0.06	-
Pyrene	64	615.2	0.1	-

PAH concentrations measured at Kensington Academy 2 February to 6 March 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Acentaphthylene	28	821	0.03	-
Anthracene	17	821	0.02	-
Benzo(a)Anthracene	120	821	0.15	<0.009-0.550
Benzo(a)Pyrene	110	821	0.13	0.024-0.660
Benzo(b/k)Fluoranthene	450	821	0.55	<0.008-1.007
Benzo(ghi)Perylene	200	821	0.24	<0.009-920
Chrysene	200	821	0.24	<0.008-0.990



Dibenzo(ah)Anthracene	45	821	0.05	<0.002-0.148
Fluoranthene	280	821	0.34	-
Fluorene	23	821	0.03	-
Indeno(123-cd)Pyrene	160	821	0.19	<0.009-0.610
Naphthalene	21	821	0.03	-
Phenanthrene	210	821	0.26	-
Pyrene	220	821	0.27	-

PAH concentrations measured at Kensington Academy 6 March to 6 April 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	30	761	0.04	<0.009-0.550
Benzo(a)Pyrene	36	761	0.05	0.024-0.660
Benzo(b/k)Fluoranthene	160	761	0.21	<0.008-1.007
Benzo(ghi)Perylene	75	761	0.10	<0.009-920
Chrysene	60	761	0.08	<0.008-0.990
Dibenzo(ah)Anthracene	11	761	0.1	<0.002-0.148
Fluoranthene	67	761	0.09	-
Indeno(123-cd)Pyrene	52	761	0.04	<0.009-0.610
Phenanthrene	48	761	0.05	-
Pyrene	54	761	0.21	-

PAH concentrations measured at Kensington Academy 6 April to 9 May 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(b/k)Fluoranthene	34	731	0.05	<0.008-1.007
Benzo(ghi)Perylene	18	731	0.02	<0.009-920
Chrysene	12	731	0.02	<0.008-0.990
Fluoranthene	15	731	0.02	-
Indeno(123-cd)Pyrene	12	731	0.02	<0.009-0.610
Pyrene	13	731	0.02	-

PAH concentrations measured at Kensington Academy 9 May to 13 June 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(b/k)Fluoranthene	37	823.1	0.04	<0.008-1.007
Benzo(ghi)Perylene	19	823.1	0.02	<0.009-920
Chrysene	12	823.1	0.01	<0.008-0.990
Fluoranthene	13	823.1	0.02	-
Pyrene	11	823.1	0.01	-

PAH concentrations measured at Kensington Academy 18 June to 19 July 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(b/k)Fluoranthene	10	872	0.01	<0.008-1.007

PAH concentrations measured at Kensington Academy 19 July to 20 August 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Anthracene	13	719	0.02	-
Benzo(b/k)Fluoranthene	33	719	0.05	<0.008-1.007

Benzo(ghi)Perylene	21	719	0.03	<0.009-920
Chrysene	13	719	0.02	<0.008-0.990
Fluoranthene	24	719	0.03	-
Indeno(123-cd)Pyrene	18	719	0.03	<0.009-0.610
Phenanthrene	15	719	0.02	-
Pyrene	18	719	0.03	-

PAH concentrations measured at Grenfell Road during 3 to 31 July 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015/16) (ng/m <sup>3</sup> )
Benzo(b/k)Fluoranthene	37	509.62	0.07	0.02-0.77
Benzo(ghi)Perylene	21	509.62	0.04	0.04-0.92
Chrysene	13	509.62	0.03	0.06-0.99
Fluoranthene	13	509.62	0.03	-
Indeno(123-cd)Pyrene	14	509.62	0.03	0.02-0.61
Pyrene	11	509.62	0.02	-

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

PAH concentrations measured at Grenfell Road during 31 July to 25 August 2017:

An error in the sampling device settings invalidated the results for this sampling period.

PAH concentrations measured at Grenfell Road during 25 August to 22 September 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015/16) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	23	617.3	0.04	0.03-0.35
Benzo(a)Pyrene	33	617.3	0.05	0.03-0.66
Benzo(b/k)Fluoranthene	110	617.3	0.18	0.02-0.77
Benzo(ghi)Perylene	60	617.3	0.10	0.04-0.92
Chrysene	44	617.3	0.07	0.06-0.99
Fluoranthene	37	617.3	0.06	-
Indeno(123-cd)Pyrene	35	617.3	0.06	0.02-0.61
Phenanthrene	26	617.3	0.04	-
Pyrene	36	617.3	0.06	-

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

PAH concentrations measured at Grenfell Road during 22 September to 20 October 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015/16) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	16	444.50	0.04	0.03-0.55
Benzo(a)Pyrene	22	444.50	0.05	0.03-0.66
Benzo(b/k)Fluoranthene	100	444.50	0.23	0.02-0.77
Benzo(ghi)Perylene	67	444.50	0.15	0.04-0.92
Chrysene	34	444.50	0.08	0.06-0.99
Fluoranthene	28	444.50	0.06	-
Indeno(123-cd)Pyrene	39	444.50	0.09	0.02-0.61
Phenanthrene	17	444.50	0.04	-
Pyrene	28	444.50	0.06	-

\*ng= nanogram 1 billionth of a gram (10<sup>-9</sup>)

PAH measured at Grenfell Road during 20 October to 17 November 2017:

A failure of the sampling pump invalidated the results for this sampling period.

PAH concentrations measured at Grenfell Road 17 November to 15 December 2017:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015/16) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	59	570.6	0.10	0.03-0.55
Benzo(a)Pyrene	60	570.6	0.11	0.03-0.66
Benzo(ghi)Perylene	110	570.6	0.19	0.04-0.92
Dibenzo(ah)Anthracene	16	570.6	0.02	<0.01-0.1
Chrysene	100	570.6	0.18	0.06-0.99
Fluoranthene	48	570.6	0.08	-
Indeno(123-cd)Pyrene	67	570.6	0.12	0.02-0.61
Phenanthrene	21	570.6	0.04	-
Pyrene	50	570.6	0.09	-

PAH concentrations measured at Grenfell Road 8 January to 2 February 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015/17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	70	613	0.11	0.03-0.55
Benzo(a)Pyrene	67	613	0.11	0.03-0.66
Benzo(ghi)Perylene	150	613	0.24	0.04-0.92
Dibenzo(ah)Anthracene	28	613	0.02	<0.01-0.1
Chrysene	120	613	0.20	0.06-0.99
Fluoranthene	75	613	0.12	-
Indeno(123-cd)Pyrene	92	613	0.15	0.02-0.61
Phenanthrene	40	613	0.07	-
Pyrene	70	613	0.11	-

PAH concentrations measured at Grenfell Road 2 February to 6 March 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Acentaphthylene	19	590	0.03	-
Anthracene	14	590	0.02	-
Benzo(a)Anthracene	120	590	0.2	<0.009-0.550
Benzo(a)Pyrene	96	590	0.16	0.024-0.660
Benzo(b/k)Fluoranthene	320	590	0.54	<0.008-1.007
Benzo(ghi)Perylene	140	590	0.24	<0.009-920
Chrysene	190	590	0.32	<0.008-0.990
Dibenzo(ah)Anthracene	35	590	0.06	<0.002-0.148
Fluoranthene	230	590	0.39	-
Fluorene	15	590	0.03	-
Indeno(123-cd)Pyrene	110	590	0.19	<0.009-0.610
Naphthalene	16	590	0.03	-
Phenanthrene	150	590	0.25	-
Pyrene	180	590	0.31	-

PAH concentrations measured at Grenfell Road 6 March to 6 April 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(a)Anthracene	37	690	0.05	<0.009-0.550
Benzo(a)Pyrene	37	690	0.05	0.024-0.660

Benzo(b/k)Fluoranthene	170	690	0.25	<0.008-1.007
Benzo(ghi)Perylene	79	690	0.11	<0.009-920
Chrysene	79	690	0.11	<0.008-0.990
Dibenzo(ah)Anthracene	13	690	0.02	<0.002-0.148
Fluoranthene	72	690	0.1	-
Indeno(123-cd)Pyrene	53	690	0.08	<0.009-0.610
Phenanthrene	48	690	0.07	-
Pyrene	60	690	0.09	-

PAH concentrations measured at Grenfell Road 6 April to 9 May 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(b/k)Fluoranthene	46	592	0.08	<0.008-1.007
Benzo(ghi)Perylene	22	592	0.04	<0.009-920
Chrysene	22	592	0.04	<0.008-0.990
Fluoranthene	19	592	0.03	-
Fluorene	12	592	0.02	-
Indeno(123-cd)Pyrene	14	592	0.02	<0.009-0.610
Phenanthrene	11	592	0.02	-
Pyrene	18	592	0.03	-

PAH concentrations measured at Grenfell Road 9 May to 13 June 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(b/k)Fluoranthene	14	663	0.02	<0.008-1.007
Chrysene	14	663	0.02	<0.008-0.990

PAH concentrations measured at Grenfell Road 18 June to 19 July 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Benzo(b/k)Fluoranthene	24	678	0.04	<0.008-1.007
Chrysene	15	678	0.02	<0.008-0.990
Fluoranthene	12	678	0.02	-
Pyrene	12	678	0.02	-

PAH concentrations measured at Grenfell Road 19 July to 20 August 2018:

Compound	Result (ng)	Air volume (m <sup>3</sup> )	Result (ng/m <sup>3</sup> )	Concentration range in London (2015-17) (ng/m <sup>3</sup> )
Anthracene	14	721	0.02	-
Benzo(a)Pyrene	17	721	0.02	0.024-0.660
Benzo(b/k)Fluoranthene	48	721	0.07	<0.008-1.007
Benzo(ghi)Perylene	19	721	0.03	<0.009-920
Chrysene	14	721	0.02	<0.008-0.990
Fluoranthene	23	721	0.03	-
Indeno(123-cd)Pyrene	16	721	0.02	<0.009-0.610
Phenanthrene	15	721	0.02	-
Pyrene	18	721	0.02	-

The concentrations of the PAHs detected above the limit of detection at Kensington Academy (during 25 August to 22 September 2017; 22 September to 20 October 2017; 20 October to 17 November 2017; 17 November to 15 December 2017; 8 January to 2 February 2018; 2 February to 6 March 2018, 6 March to 6 April 2018; 6 April to 9 May 2018; 9 May to 13 June 2018; 18 June to 19 July 2018 and 18 June to 20 August 2018) and Grenfell Road (during 3 to 31 July 2017; 25 August to 22 September 2017; 22 September to 20 October 2017; 17 November to 15 December 2017; 8 January to 2 February 2018; 2 February to 6 March 2018, 6 March – 6 April 2018, 6 April to 9 May 2018; 9 May to 13 June 2018; 18 June to 19 July 2018 and 18 June to 20 August 2018) have been compared with background monthly data published on [Defra's PAH network](#) collected from London sites during January 2015 to December 2017.

[London background data was available for 7 of the PAHs](#) detected, which were found to be comparable or lower than the monthly levels detected in London during 2015/2017. For 7 of the PAHs, no data was available on the PAH network for the London sites but the concentrations were also low: Acentaphthylene (at 0.03 ng/m<sup>3</sup>), Anthracene (at 0.02 ng/m<sup>3</sup>), Fluoranthene (at or below 0.39 ng/m<sup>3</sup>), Fluorene (at or below 0.03 ng/m<sup>3</sup>), Naphthalene (0.04 ng/m<sup>3</sup>), Phenanthrene (at or below 0.26 ng/m<sup>3</sup>) and Pyrene (at or below 0.31 ng/m<sup>3</sup>).

## Asbestos monitoring results

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
30/06/2017	Silchester Rd (A)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Walk (C)	<0.004	<0.001+	No asbestos detected on SEM
03/07/2017	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	-	
	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	0.001	No asbestos detected on SEM
	Grenfell Walk (C)	<0.004	<0.001+	No asbestos detected on SEM
07/07/2017	Silchester Rd (A)	<0.004	-	
	Kensington Academy (D) *	<0.004	<0.001+	* combined sample No asbestos detected on SEM
	Kensington Academy (D) *			
	Grenfell Walk (C)	<0.004	0.001	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004	-	
	Off-site background (E)	<0.004	ND <0.001+	No asbestos detected on SEM
	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	-	
12/07/2017	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	ND <0.001+	No asbestos detected on SEM
	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	-	
16/07/2017	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	ND <0.001+	No asbestos detected on SEM
	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Walk (C)	<0.004	-	
20/07/2017	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	-	
	Silchester Rd (A)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	ND <0.001+	No asbestos detected on SEM

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
25/07/2017	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Walk (C)	<0.004	-	
	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B)	<0.004	-	
	Grenfell Walk (C)	<0.004	-	
29/07/2017	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B2)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	-	-	Pump failed
	Silchester Rd (A)	<0.004	-	
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
03/08/2017	Silchester Rd (A)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001+	No asbestos detected on SEM
	Silchester Rd (A)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
07/08/2017	Silchester Rd (A)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001+	No asbestos detected on SEM
10/08/2017	Silchester Rd (A)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A)	<0.004		
	Grenfell Rd (B2)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
14/08/2017	Silchester Rd (A)	<0.004	<0.001+	
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (G)	<0.004	<0.001+	No asbestos detected on SEM
	Silchester Rd (A)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001+	No asbestos detected on SEM
19/08/2017	Silchester Rd (A)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A)	<0.004		
	Grenfell Rd (B)	<0.004	<0.001+	No asbestos detected on SEM

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
19/08/2017 continued	<b>Grenfell Walk (C2)</b>	<0.004		
24/08/2017	<b>Silchester Rd (A)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
01/09/2017	<b>Silchester Rd (A)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004	<0.001+	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
08/09/2017	<b>Silchester Rd (A)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004	<0.001+	No asbestos detected on SEM
11/09/2017	<b>Silchester Rd (A)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004	<0.001+	No asbestos detected on SEM
15/09/2017	<b>Silchester Rd (A2)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
19/09/2017	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
22/09/2017	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
29/09/2017	<b>Silchester Rd (A2)</b>	<0.005	ND <0.002+	No asbestos detected on SEM
	<b>Grenfell Rd (B2)</b>	<0.005	ND <0.002+	No asbestos detected on SEM



Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
29/09/2017	Grenfell Walk (C2)	<0.005		
04/10/2017	Silchester Rd (A2)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A2)	<0.004	<0.001 <sup>+</sup>	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001 <sup>+</sup>	No asbestos detected on SEM
09/10/2017	Silchester Rd (A2)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
12/10/2017	Silchester Rd (A2)	<0.004		
	Grenfell Rd (B2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A2)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
16/10/2017	Silchester Rd (A2)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001 +	No asbestos detected on SEM
20/10/2017	Silchester Rd (A2)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
25/10/2017	Silchester Rd (A2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Silchester Rd (A2)	<0.004		
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
30/10/2017	Silchester Rd (A2)	<0.004	<0.001 +	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Silchester Rd (A2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B2)	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
30/10/2017 continued	<b>Grenfell Walk (C2)</b>	<0.004		
03/11/2017	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
08/11/2017	<b>Silchester Rd (A2)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
13/11/2017	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
17/11/2017	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004	<0.001 +	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B2)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
23/11/2017	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
28/11/2017	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Silchester Rd (A2)</b>	<0.004		
	<b>Grenfell Rd (B)</b>	<0.004	<0.001 +	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
07/12/2017	<b>Temporary cabins (H)</b>	<0.004	ND <0.001 +	No asbestos detected on SEM
	<b>Grenfell Rd (B)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
15/12/2017	<b>Temporary cabins (H)</b>	<0.004		
	<b>Grenfell Rd (B)</b>	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
15/12/2017 continued	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
19/12/2017	Temporary cabins (H)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
17/01/2018	Temporary cabins (H)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
25/01/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
02/02/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001 +	No asbestos detected on SEM
12/02/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004	<0.001 +	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001 +	No asbestos detected on SEM
20/02/2018	Grenfell Rd (B)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Walk (C2)	Sampling equipment failed – no result available		
	Grenfell Rd (B)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Walk (C2)	Sampling equipment failed – no result available		
06/03/2018	Temporary cabins (H)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
06/03/2018 continued	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	0.003	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
21/03/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
28/03/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	<0.001 +	
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
03/04/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Temporary cabins (H)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
12/04/2018	Temporary cabins (H)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
27/04/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
09/05/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001 +	No asbestos detected on SEM
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
18/05/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
18/05/2018 continued	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	Sampling equipment failed – no result available		
	Grenfell Rd (B)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
29/05/2018	Temporary cabins (H)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
08/06/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
18/06/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
27/06/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
05/07/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	Sampling equipment failed – no result available		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004	<0.001	No asbestos detected on SEM
16/07/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004		
	Temporary cabins (H)	<0.004	0.001	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
16/07/2018 continued	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004		
31/07/2018	Temporary cabins (H)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004	0.003	No asbestos detected on SEM
07/08/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004	ND <0.001+	No asbestos detected on SEM
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	0.002	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004		
17/08/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004		
	Temporary cabins (H)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Rd (B)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
	Kensington Academy (J)	<0.004		
29/08/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	Sampling equipment failed – no result available		
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B)	<0.004	0.004	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	Kensington Academy (J)	<0.004	0.002	No asbestos detected on SEM
13/09/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004	<0.001+	No asbestos detected on SEM
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Academy (K)	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
24/09/2018	<b>Temporary cabins (H)</b>	Sampling equipment failed – no result available		
	<b>Grenfell Rd (B3)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>South of Kensington Academy (K)</b>	<0.004		
	<b>Temporary cabins (H)</b>	<0.004		
	<b>Grenfell Rd (B3)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>South of Kensington Academy (K)</b>	<0.004		
08/10/2018	<b>Temporary cabins (H)</b>	<0.004		
	<b>Grenfell Rd (B3)</b>	<0.004	<0.001+	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>South of Kensington Academy (K)</b>	<0.004		
	<b>Temporary cabins (H)</b>	<0.004		
	<b>Grenfell Rd (B3)</b>	<0.004	<0.001+	
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>South of Kensington Academy (K)</b>	<0.004		
18/10/2018	<b>Temporary cabins (H)</b>	<0.004		
	<b>Grenfell Rd (B3)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>South of Kensington Academy (K)</b>	<0.004		
	<b>Temporary cabins (H)</b>	<0.004		
	<b>Grenfell Rd (B3)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004	<0.001+	No asbestos detected on SEM
	<b>South of Kensington Academy (K)</b>	<0.004		
30/10/2018	<b>Grenfell Rd (B3)</b>	<0.004		
	<b>Temporary cabins (H)</b>	<0.004		
	<b>Outside garage Testerton Road (L)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Grenfell Walk (C2)</b>	<0.004		
	<b>Grenfell Rd (B3)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Temporary cabins (H)</b>	<0.004		
	<b>Inside garage Grenfell Road (M)</b>	<0.004	ND <0.001+	No asbestos detected on SEM
	<b>Outside garage Hurstway Road (N)</b>	<0.004		
31/10/2018	<b>Grenfell Walk (new C)</b>	<0.004		
	<b>South of Kensington Academy (K)</b>	<0.004	0.001	No asbestos detected on SEM
06/11/2018	<b>Grenfell Rd (B3)</b>	<0.004		
	<b>Inside garage Grenfell Road (M)</b>	<0.004		
	<b>Grenfell Rd (P)</b>	<0.004		
	<b>Grenfell Walk (C2)</b>	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
06/11/2018 continued	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Inside garage Grenfell Road (M)	<0.004		
	Grenfell Rd (P)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
	South of Kensington Academy (K)	<0.004		
09/11/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004	ND <0.001+	No asbestos detected on SEM
	Inside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	Filter uncounted as sample was too dusty		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Inside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
South of Kensington Academy (K)	Sampling equipment failed – no result available			
19/11/2018	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Testerton Road (L)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
29/11/2018	Temporary cabins (H)	<0.004		
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B3)	<0.004		
10/12/2018	Grenfell Rd (B3)	<0.004		
	Temporary cabins (H)	<0.004	ND <0.001+	
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004		



Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
10/12/2018 continued	Temporary cabins (H)	<0.004		
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001+	
	South of Kensington Academy (K)	<0.004		
19/12/2018	Grenfell Rd (B3)	<0.004		
	Temporary cabins (H)	<0.004		
	Inside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004	<0.001+	No asbestos detected on SEM
	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Temporary cabins (H)	<0.004		
	Inside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
16/01/2019	Grenfell Rd (B3)	<0.004	<0.001+	No asbestos detected on SEM
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Grenfell Road (M)	<0.004		
	South of Kensington Academy (K)	<0.004	ND <0.001+	No asbestos detected on SEM
	Temporary cabins (H)	<0.004		
25/01/2019	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Temporary cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004	ND <0.001+	No asbestos detected on SEM
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
04/02/2019	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
04/02/2019 continued	South of Kensington Academy (K)	<0.004	<0.001+	No asbestos detected on SEM
	Temporary Cabins (H)	<0.004	<0.001+	
	Grenfell Rd (B3)	<0.004		
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	Sampling equipment failed – no result available		
	South of Kensington Academy (K)	<0.004		
14/02/2019	Grenfell Rd (B3)	<0.004	<0.001+	No asbestos detected on SEM
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Temporary Cabins (H)	<0.004		
25/02/2019	Grenfell Rd (B3)	<0.004		
	Temporary Cabins (H)	<0.004		
	Outside garage Grenfell Road (M)	<0.004	<0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004	ND <0.001+	No asbestos detected on SEM
	Temporary Cabins (H)	<0.004		
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
12/03/2019	Grenfell Rd (B3)	<0.004	ND <0.001+	No asbestos detected on SEM
	Temporart Cabins (H)	<0.004		
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004	ND <0.001+	No asbestos detected on SEM
22/03/2019	Grenfell Rd (B3)	<0.004		
	Temporary Cabins (H)	<0.004		
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Temporary Cabins (H)	<0.004	ND <0.001 +	No asbestos detected on SEM

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
22/03/19 (continued)	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	Sampling equipment failed – no result available		
02/04/2019	Grenfell Rd (B3)	<0.004		
	Temporary Cabins (H)	<0.004		
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Temporary Cabins (H)	<0.004		
	Outside garage Testerton Road (L)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	Sampling equipment failed – no result available		
	South of Kensington Academy (K)	<0.004		
12/04/2019	Grenfell Rd (B3)	<0.004		
	Temporary Cabins (H)	<0.004	ND <0.001+	No asbestos detected on SEM
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Temporary Cabins (H)	<0.004		
	Outside garage Testerton Road (L)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
	South of Kensington Academy (K)	<0.004		
07/05/2019	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Hurstway Road (N)	<0.004	0.002	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Hurstway Road (N)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004	<0.001+	No asbestos detected on SEM
14/05/2019	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Hurstway Road (N)	<0.004		
	Grenfell Walk (C2)	<0.004		

Date	Location	Phase contrast microscopy (PCM) f/ml	Scanning electron microscopy (SEM) f/ml	Comments
14/05/2019 continued	South of Kensington Academy (K)	<0.004		
	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004	<0.001+	No asbestos detected on SEM
	Outside garage Hurstway Road (N)	<0.004		
	Grenfell Walk (C2)	<0.004	ND <0.001+	No asbestos detected on SEM
	South of Kensington Academy (K)	<0.004		
24/05/2019	Temporary Cabins (H)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Rd (B3)	<0.004		
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004	ND <0.001+	No asbestos detected on SEM
	Outside garage Grenfell Road (M)	<0.004		
	Grenfell Walk (C2)	<0.004		
South of Kensington Academy (K)	<0.004			
03/06/2019	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004		
	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
	Outside garage Grenfell Road (M)	<0.004	ND <0.001+	No asbestos detected on SEM
	Grenfell Walk (C2)	<0.004		
	South of Kensington Academy (K)	<0.004	ND <0.001+	No asbestos detected on SEM
	Temporary Cabins (H)	<0.004		
	Grenfell Rd (B3)	<0.004		
Outside garage Grenfell Road (M)	<0.004			

+ identifies the limit of detection

ND=no fibres detected

The environmental asbestos monitoring results to date indicate levels at or below the limit of detection. Throughout the period of monitoring there have been 3 occasions on which a single asbestos fibre was identified by scanning electron microscopy. This is consistent with environmental background levels of asbestos and does not pose an increased risk to health.

To supplement the monitoring outlined above, asbestos air monitoring has also been undertaken within the Tower. On 31 October 2018, asbestos air monitoring was

undertaken in 6 flats across 3 different floors. No asbestos fibres were identified during the analysis of the samples by scanning electron microscopy.

The asbestos air sampling is being carried out using some of the methods set out in the [Health & Safety Executive's HSG 248](#). This involves drawing a volume of air across a filter using a pump. The filters are then prepared and analysed in a laboratory.

In the method used by laboratories we have commissioned, the air sample filters are analysed by 2 different methods: phase contrast microscopy and electron microscopy.

Phase contrast microscopy identifies fibres that meet the dimensions of a respirable fibre, but does not differentiate between asbestos and non-asbestos fibres. This is why we are also analysing a proportion of the samples taken by electron microscopy.

The laboratory analysing the samples uses scanning electronic microscopy. Electron microscopy does differentiate between fibre types, which is why we are able to say with confidence that the fibres identified to date are not asbestos.

# Health information

## Particulate matter

Particulate matter (PM) is a term used to describe the mixture of solid particles and liquid droplets in the air. It can be either human-made or naturally occurring. Some examples include dust, ash and sea-spray. Particulate matter (including soot) is emitted during combustion, eg fires, or for power generation, domestic heating and in vehicle engines. Particulate matter varies in size (ie the diameter or width of the particle). PM<sub>10</sub> means the mass per cubic metre of air of particles with a size (diameter) generally less than 10 micrometres (µm). The size of these particles means that they are respirable and can be inhaled into the lungs.

Respirable particulates are chosen as a measure of air pollution, and can be compared to background levels across London and against health standards and the Daily Air Quality Index (DAQI). See:

<https://uk-air.defra.gov.uk/air-pollution/daq?view=more-info&pollutant=pm10#pollutant>

## Health effects of PM

Inhalation of particulate air pollution can have adverse health impacts. The biggest impact of particulate air pollution on health is understood to be from long-term exposure. However, short term increases and exposures to high levels of PM can cause lung and heart problems, resulting in increased hospital admissions or in some cases deaths such as heart attacks. Children, the elderly and those with pre-existing respiratory and cardiovascular disease are known to be more susceptible to the health impacts from air pollution.

## Asbestos

Asbestos is a general name given to several naturally occurring fibrous minerals that have crystallised to form fibres. Asbestos fibres do not dissolve in water or evaporate, they are resistant to heat, fire, chemical and biological degradation and are mechanically strong.

The properties of asbestos made it an ideal material for use in a number of products, including insulation material for buildings, boilers and pipes; car brakes and floor tiles, asbestos cement for roofing sheets and pipes.

Asbestos is widespread in the environment. It may enter the atmosphere due to the natural weathering of asbestos-containing ores or damage and breakdown of asbestos-

containing products including insulation, car brakes and clutches, ceiling and floor tiles and cement.

The use of asbestos has been banned in the UK since 1999. However, asbestos may be present in any house or building built before the year 2000 as it was widely used in a variety of building materials.

### Health effects of asbestos

The presence of asbestos in the environment does not always lead to exposure as you must come into contact with the fibres. When damaged, asbestos can release smaller fibres that may be breathed in or swallowed. Following exposure to asbestos, the possibility of adverse health effects will depend on several factors, including the amount to which you are exposed (dose) and the duration of exposure.

If fibres are inhaled, asbestos may cause cancer of the lung, voice box or ovary, or mesothelioma (a type of cancer that forms on the protective tissue that covers the lungs or the abdomen). The risk of these cancers will depend on how much asbestos you are exposed to and for how long.

Breathing in high concentrations of asbestos for a long period of time mainly affects the lungs, causing a disease called asbestosis where breathing becomes difficult and the heart enlarges. Asbestosis may take decades to develop. Exposure to lower concentrations of asbestos over time may result in a general (diffuse pleural thickening) or localised (pleural plaques) thickening of the lung lining.

### Dioxins

Dioxins are a group of over 200 chemicals formed from a number of sources such as forest fires and from industrial processes. Dioxins are also found in small quantities in cigarette smoke and vehicle emissions.

Dioxins are widespread in the general environment, and the main way people are exposed to dioxins is by eating food contaminated with them. Very small amounts are present in foods such as meat, dairy products and fish, thus we are all exposed to some extent over our lifetime. If dioxins are present in air, this is normally only a minor way people may be exposed compared to food.

### Health effects of dioxins

Dioxins are likely to present a significantly greater hazard from long-term or repeated exposure than following a large single acute exposure, such as that associated with releases during a short-term fire.

At the levels which occur normally in food and the environment, dioxins are not expected to result in any adverse health effects. Small increases in exposure above background levels for short periods of time are unlikely to have any effect on health. The potential risks to health come if you are exposed for a long period of time above tolerable levels<sup>3</sup>.

Very high concentrations of dioxins, compared to normal environmental levels, can cause an acne-like condition known as chloracne. Short-term exposure to high levels of dioxins may also cause nausea, vomiting and diarrhoea, liver damage and neurological effects, including headaches, weakness and muscular pains.

Long-term exposure to dioxins above tolerable levels may cause effects on the immune system, reproductive system, development of the foetus and young children, thyroid function, liver and cardiovascular effects and increase the risk of developing diabetes and mild neuropathies. The risk of these effects occurring will depend on the amount of dioxins you are exposed to and how long you are exposed for.

Dioxins can cause cancer in laboratory animals and there is evidence to suggest that exposure to dioxins at work in the past has been associated with an increase in the incidence of cancer in humans. Any risk of cancer development from a single exposure to dioxins is likely to be very low.

### Polycyclic aromatic hydrocarbons

Polycyclic aromatic hydrocarbons (PAHs) are a diverse class of organic compounds. There are several hundred PAHs, which usually occur as complex mixtures rather than as individual compounds.

PAHs may be formed during natural processes such as incomplete combustion of organic materials, eg during forest fires or garden waste bonfires. PAHs are also formed during industrial processes including steel production plants and mining or oil refining. Motor vehicle emissions and cigarette smoke are also sources of PAHs in the environment.

PAHs have been found to be present in very small amounts in some foods including meat, fruit, vegetables and cereals. Various cooking processes such as charbroiling, frying or grilling, as well as barbequing or smoking also increases the amount of PAHs in food.

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<sup>3</sup> Tolerable levels result in exposure at or below the tolerable daily intake (TDI), which is an estimate of the amount of a contaminant to which a person can be exposed daily over a lifetime without an appreciable risk to health. Tolerable daily intakes are derived from evidence from scientific studies.



Overall, the major route of exposure to PAHs in the general population is from breathing outdoor and indoor air, eating food containing PAHs, cigarette smoke or breathing smoke from open fireplaces.

## Health effects of PAHs

Adverse health effects from PAHs are more likely to occur following long-term or repeated exposure than following a single or short-term period of exposure. Inhalation exposure to normal background levels of PAHs is not considered to pose a significant risk to health.

Following short-term inhalation exposure to PAHs at levels above normal environmental levels there is the potential for signs of irritation to occur such as coughing and wheezing.

The effects of PAHs are of more concern after long-term exposure. For example, various studies on workers exposed to PAHs for prolonged periods of time suggest that inhalation exposure causes lung cancer and skin contact causes skin cancer.

Long-term exposure to PAHs may also have an effect on the lungs, the reproductive system and development of the unborn child and young children. The risks of these effects occurring will depend on the amount of PAHs you are exposed to and how long you are exposed for.

## Further information

More detailed information on each of these chemicals is available via the following links:

- [Particulates](#)
- [Asbestos](#)
- [Dioxins](#)
- [PAH](#)

Other links:

- [UK – Daily air quality index \(DAQI\)](#)
- [World Health Organisation Air Quality Guidelines](#)
- [London Air](#)

## Appendix 1: Monitoring data from North Kensington LAQN site from 12 June to 23 June 2017

Data in the table below is taken from the North Kensington monitoring station in the grounds of Sion Manning School, St. Charles' Square, North Kensington. Further information about this site is available on the [LondonAir](#) and [Defra UK-Air](#) websites. The table also includes the London Mean dataset, produced by King's College London and based on mean measurements across the London Air Quality Network.

Date	24 hr Mean	24 hr Mean	60 minute Max	60 minute Max
	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>	London Mean PM <sub>10</sub> µg/m <sup>3</sup>	North Kensington PM <sub>10</sub> µg/m <sup>3</sup>	London Mean PM <sub>10</sub> µg/m <sup>3</sup>
Mon 12/06/17	17	17	20	20
Tue 13/06/17	21	21	28	25
Wed 14/06/17	23	25	33	32
Thu 15/06/17	26	25	42	36
Fri 16/06/17	21	22	27	28
Sat 17/06/17	23	23	28	26
Sun 18/06/17	25	22	31	25
Mon 19/06/17	32	32	40	40
Tue 20/06/17	39	38	68	59
Wed 21/06/17	34	37	44	49
Thu 22/06/17	29	28	41	40
Fri 23/06/17	17	18	20	24

## Appendix 2: Monitoring locations summary

The Kensington Academy site is located on the on the north eastern side roof of the Academy. This site monitors for particulates, PAH's and dioxins.



## Kensington Academy Location D



The Kensington Academy (D) is located on the southern edge of the roof of the building and monitors for asbestos.

## Kensington Academy Location J

The Kensington Academy (J) is located on the western mezzanine floor of the building and monitors for asbestos.



Blechynden Street is located at ground level outside a garage, on the tower side of the raised railway line. This site monitors for particulates. Monitoring ceased here on 17 August 2017 when the equipment was moved to outside of the Latimer Road TMO office.

**Blechynden Street from 24 June 2017**



**Latimer Road TMO from 17 August 2017**



Grenfell Road is located on the roof of a contractor portable cabin approximately 2.5m high, which is comparable to the first residential floor of the nearby Brandon Road. This site monitors for particulates, dioxins, and PAH's.



Grenfell Road (B) was initially set against hoarding near to Treadgold Street housing and Brandon Road housing. However this area was inaccessible on 29 July 2017. So from this date the location was moved along the site boundary between Grenfell Road and the Leisure Centre.

**Grenfell Road (B) from 30 June 2017**



**Grenfell Road (B) from 29 July 2017**





Silchester Road (A) is located at ground level in front of the portable cabins. Kensington academy can be seen in the background. This site monitors for asbestos.



Grenfell Walk (C) was initially located on the western side of the raised Grenfell Walk. On 29 July and 3 August this location was inaccessible due to weather conditions. So the monitoring location was moved to the ground area outside the Latimer Road TMO office.

**Grenfell Walk (C) from 30 June 2017**



**Latimer Road TMO from 29 July 2017**



Kensington Leisure Centre is located on the main roof of the building, as close to the edge of the building as possible. This site monitors for particulates.

