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Actors' Equity Association

Document type
Final

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August 2026

THEATRICAL FOG AND HAZE AEROSOL MONITOR INSTRUMENT COMPARISON STUDY

TECHNICAL APPENDIX

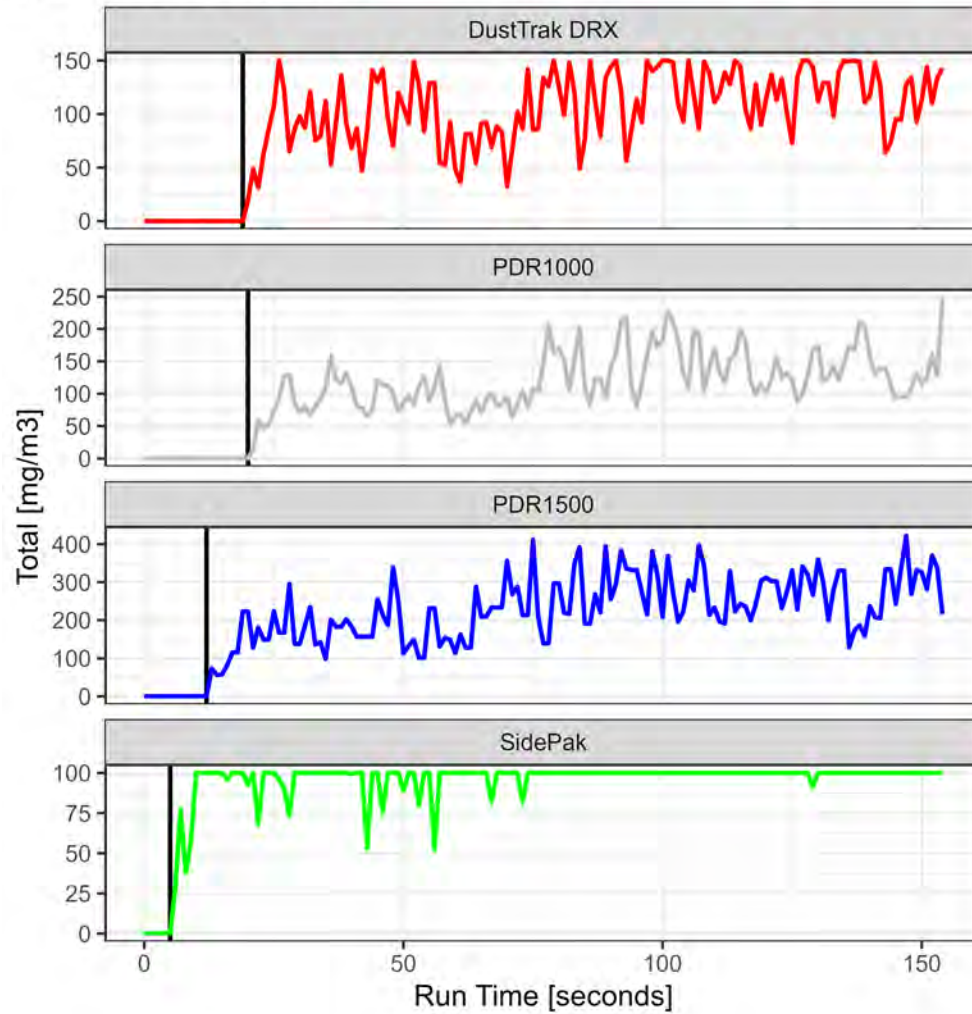
Project name	THEATRICAL FOG AND HAZE AEROSOL MONITOR INSTRUMENT COMPARISON STUDY, TECHNICAL APPENDIX
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Checked by	Emily Mushlitz
Approved by	Alan Kao

APPENDIX A

AEROSOL MONITOR READINGS

Raw Data

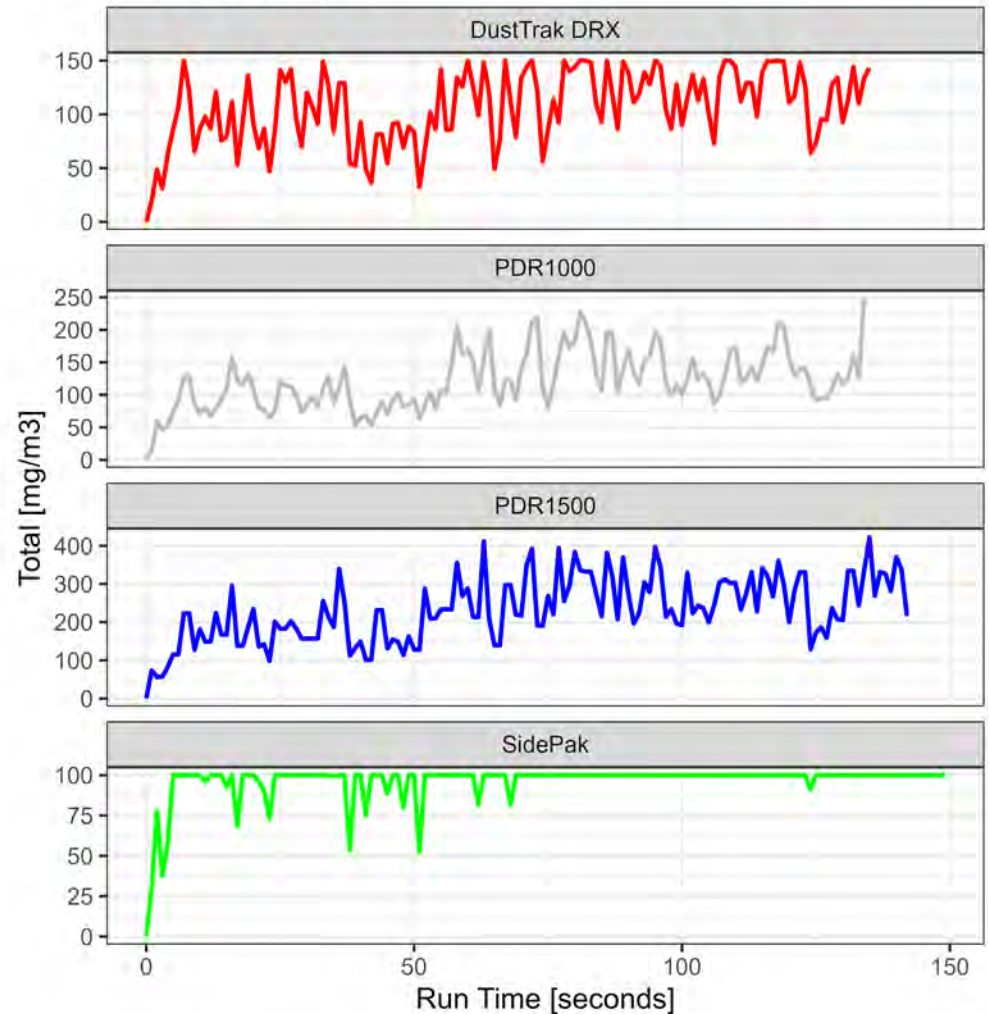
Run ID: D2-01 | Position: 1



Lag Period

Aligned Data

Run ID: D2-01 | Position: 1



Run ID: D2-01; Fog Machine: Viper NT; Fluid: Regular fog; Fan: Fan on behind at 25%

Instrument Lag - Position 1
Run 1

Figure 1

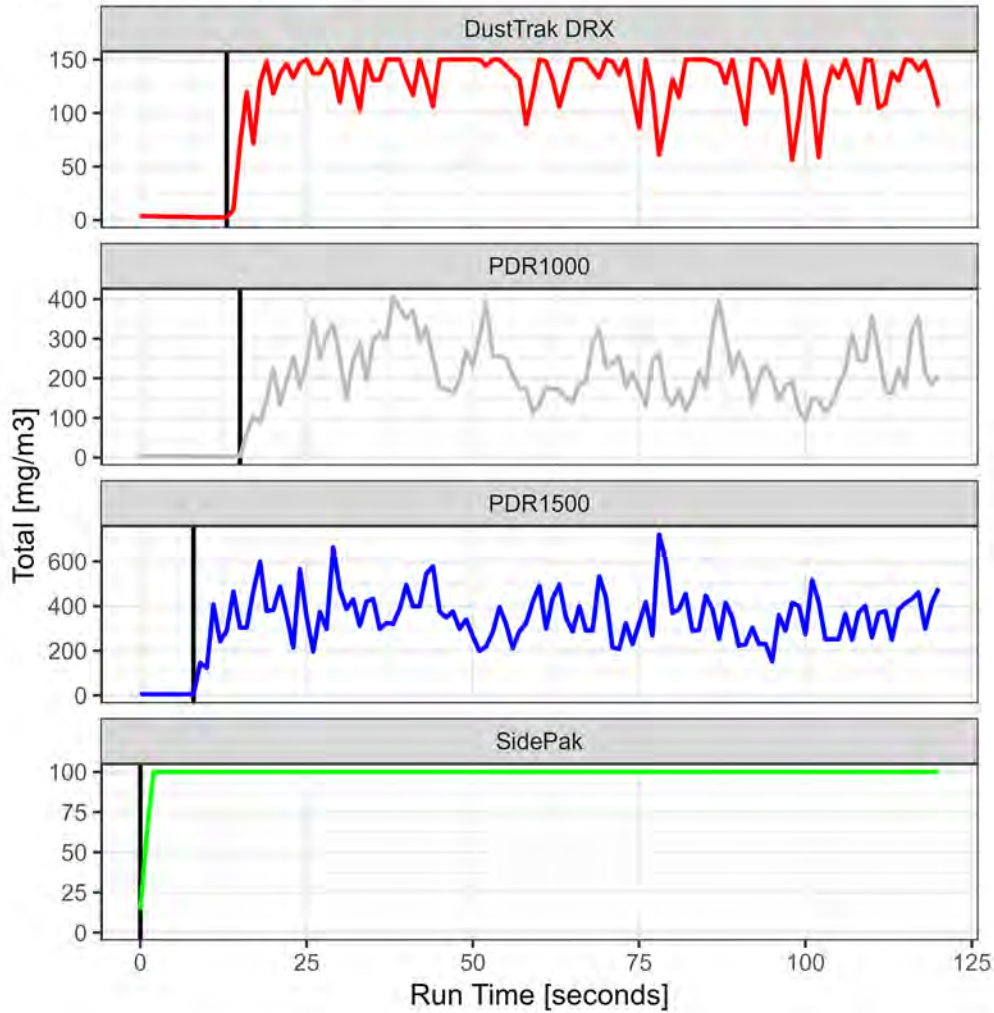
Address

RAMBOLL AMERICAS
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Raw Data

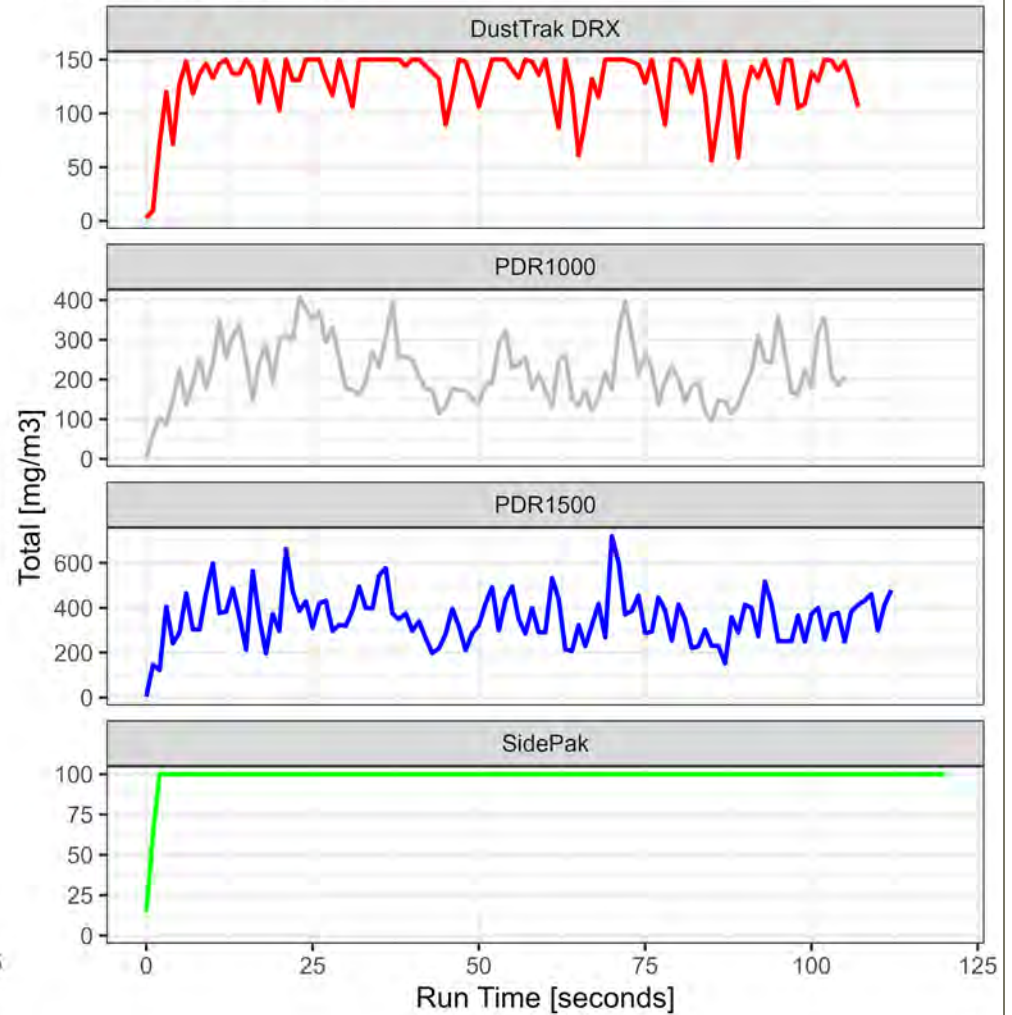
Run ID: D2-02 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-02 | Position: 1



Run ID: D2-02; Fog Machine: Viper NT; Fluid: Regular fog; Fan: Fan running (percent not re-stated; earlier 25%)

Instrument Lag - Position 1
Run 2

Address

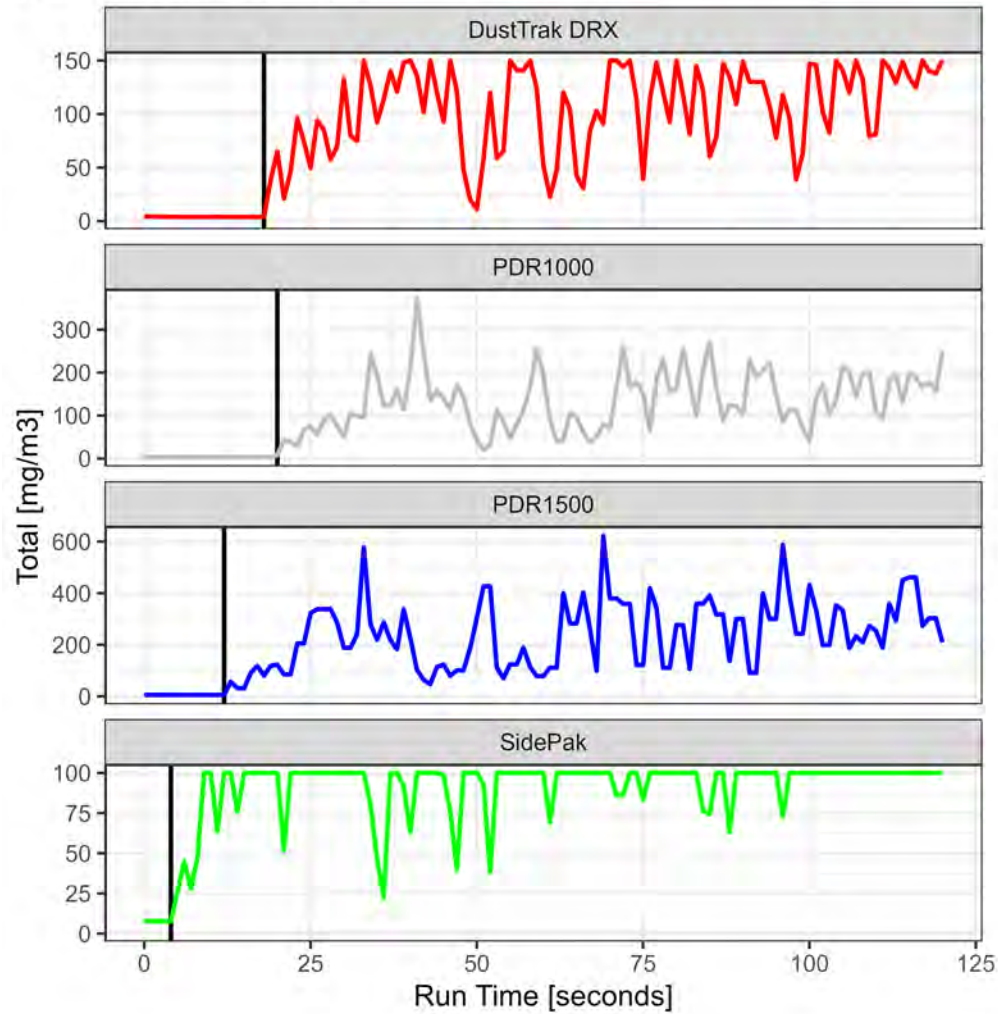
Figure 2

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Raw Data

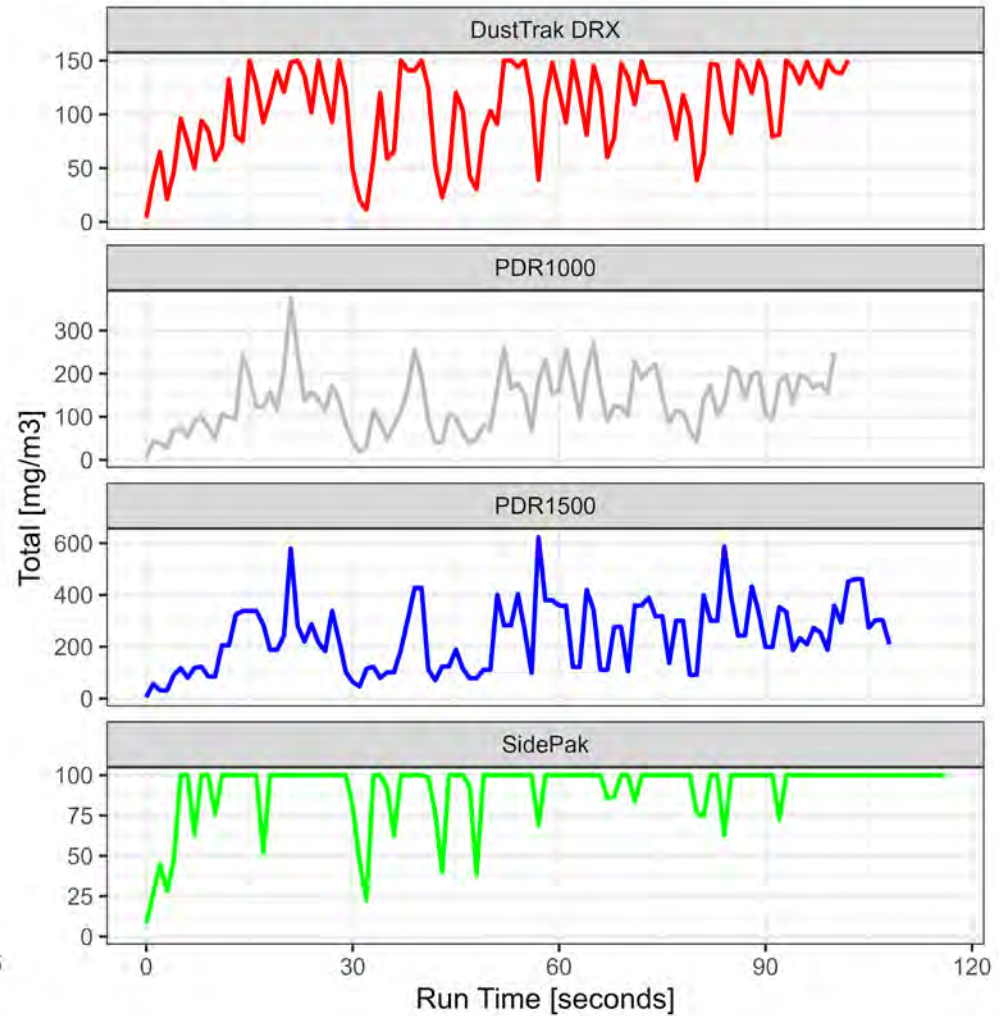
Run ID: D2-03 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-03 | Position: 1



Run ID: D2-03; Fog Machine: Viper NT; Fluid: Quick fog; Fan: NA

Instrument Lag - Position 1
Run 3

Address

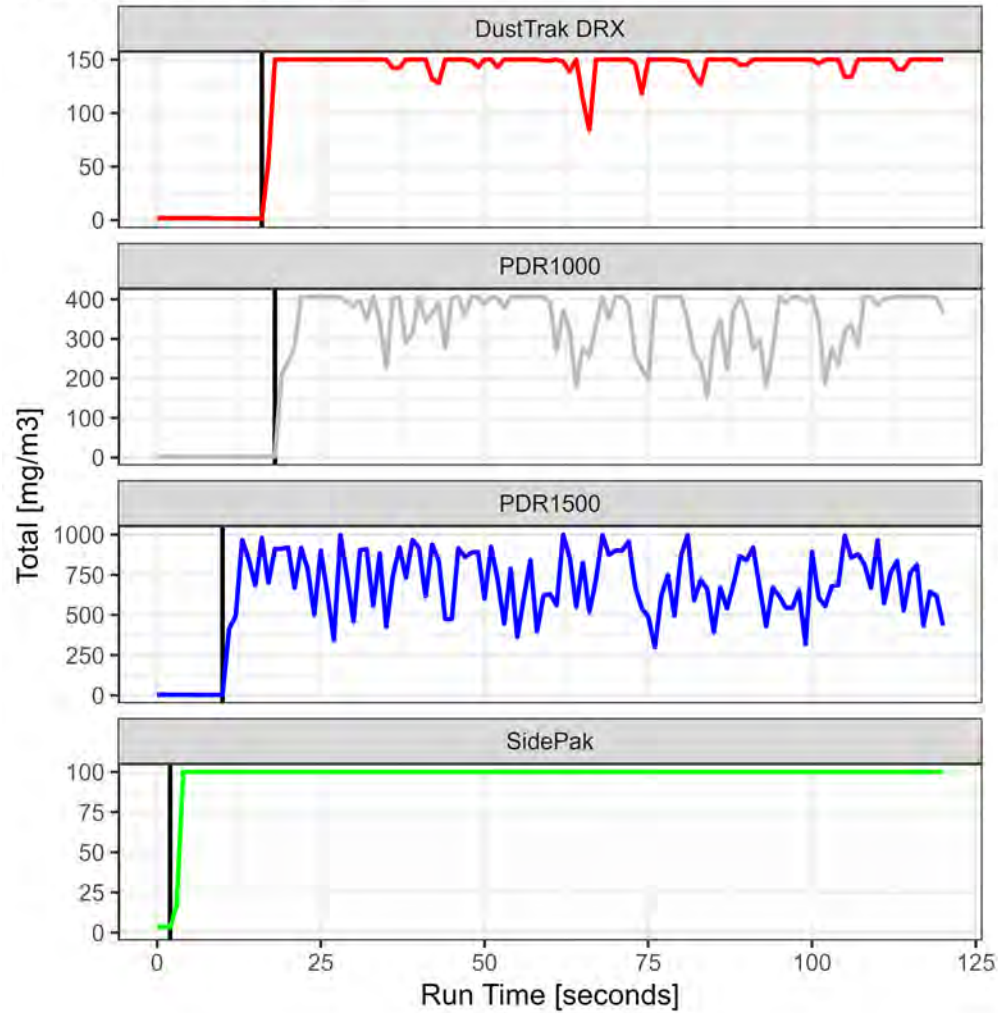
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Raw Data

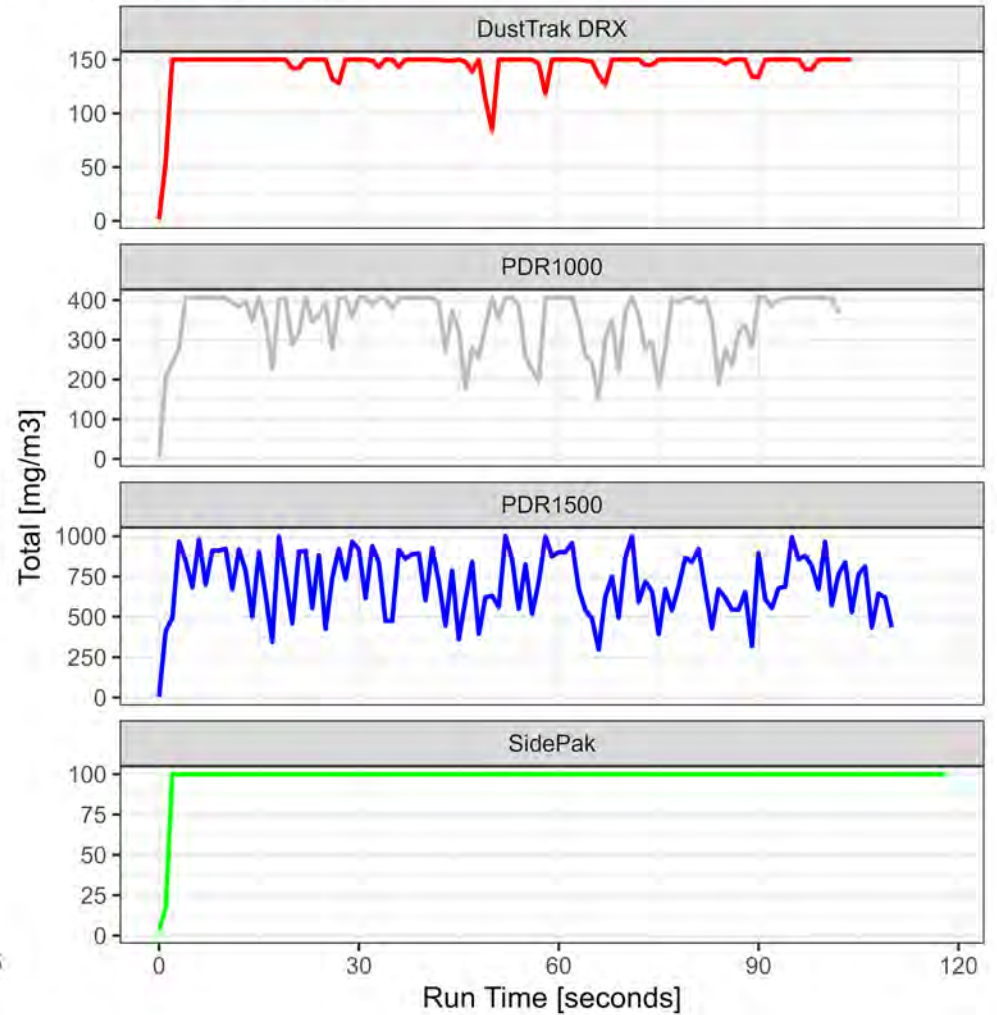
Run ID: D2-04 | Position: 1



Lag Period

Aligned Data

Run ID: D2-04 | Position: 1



Run ID: D2-04; Fog Machine: Viper NT; Fluid: Quick fog; Fan: NA

Instrument Lag - Position 1
Run 4

Figure 4

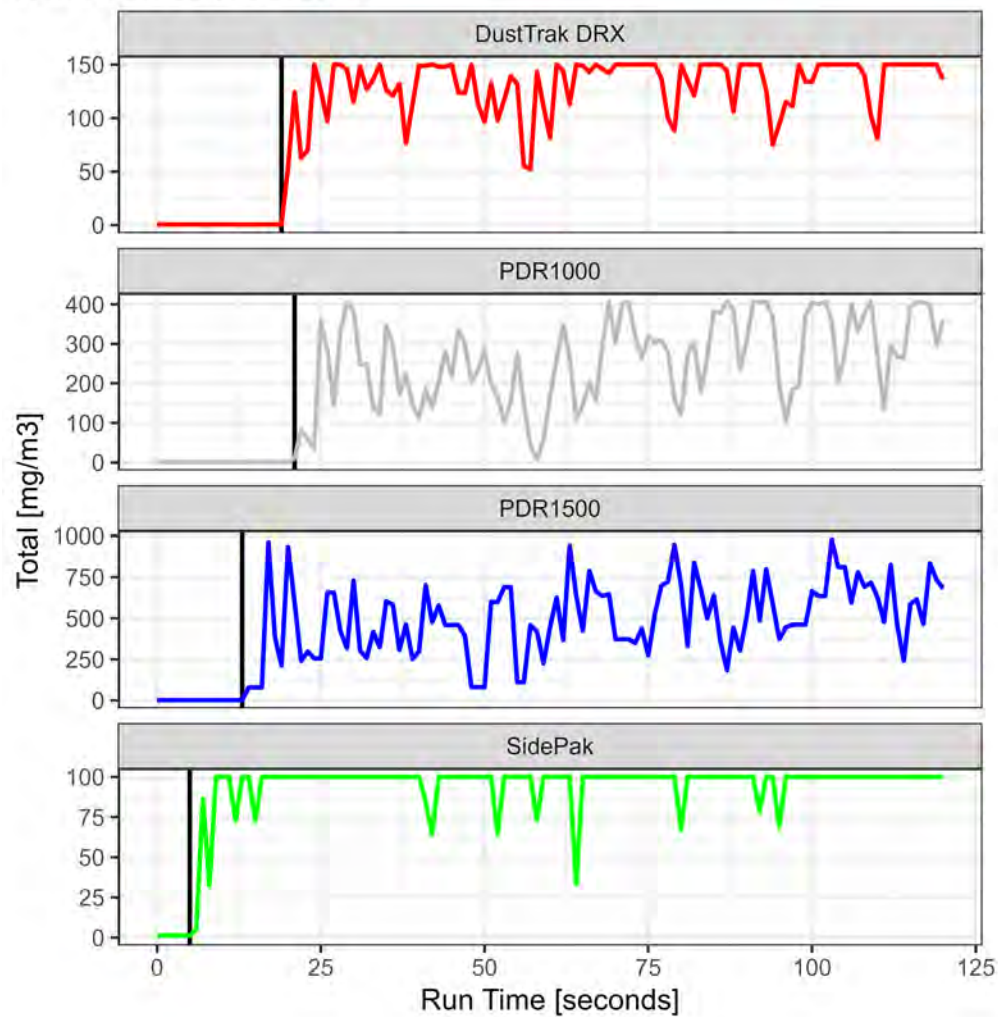
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Raw Data

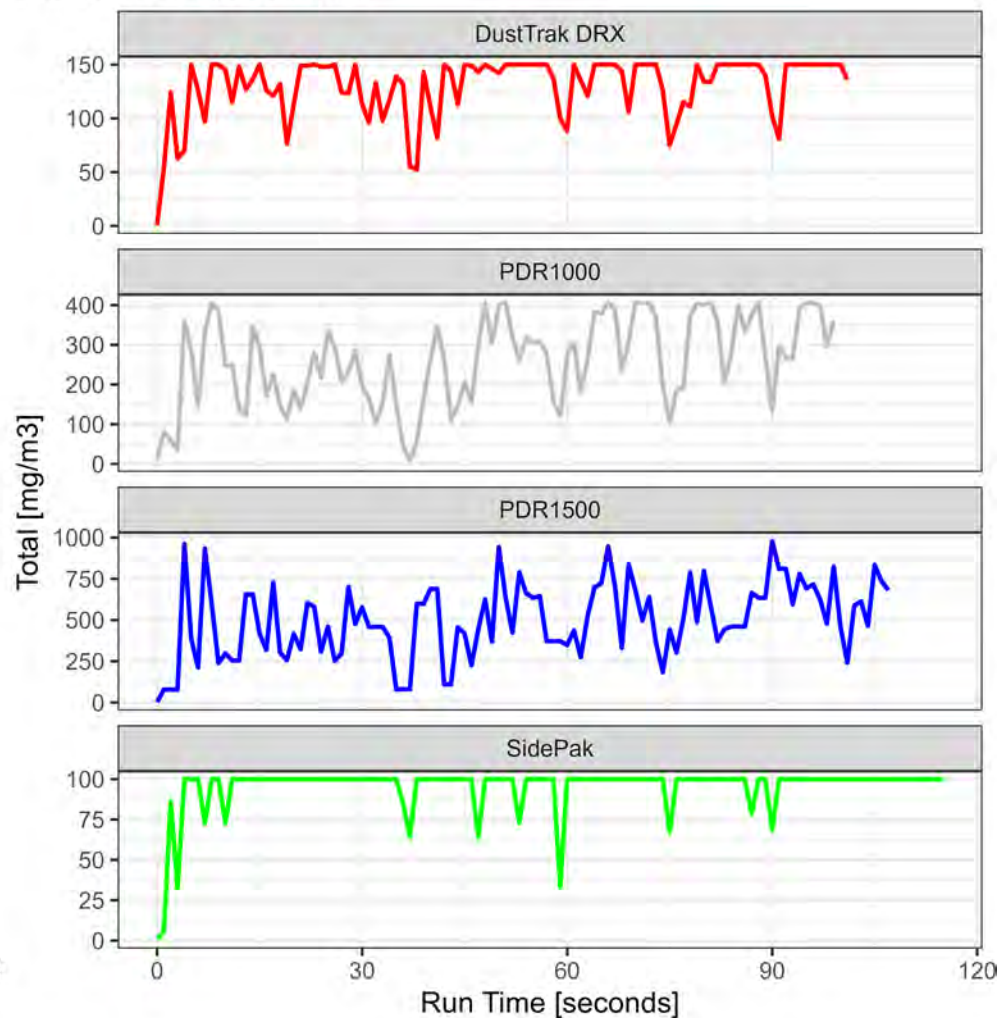
Run ID: D2-05 | Position: 1



Lag Period

Aligned Data

Run ID: D2-05 | Position: 1



Run ID: D2-05; Fog Machine: Viper NT; Fluid: Quick fog; Fan: NA

Instrument Lag - Position 1
Run 5

Figure 5

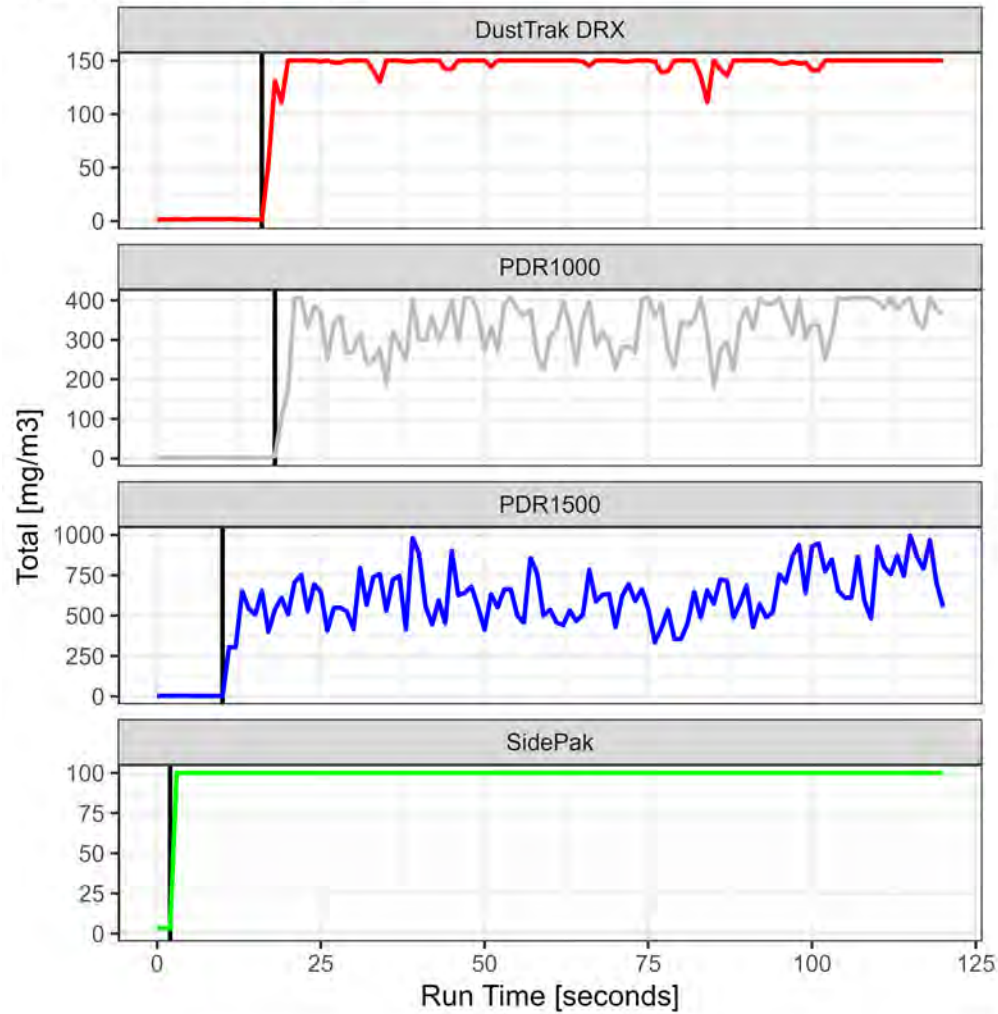
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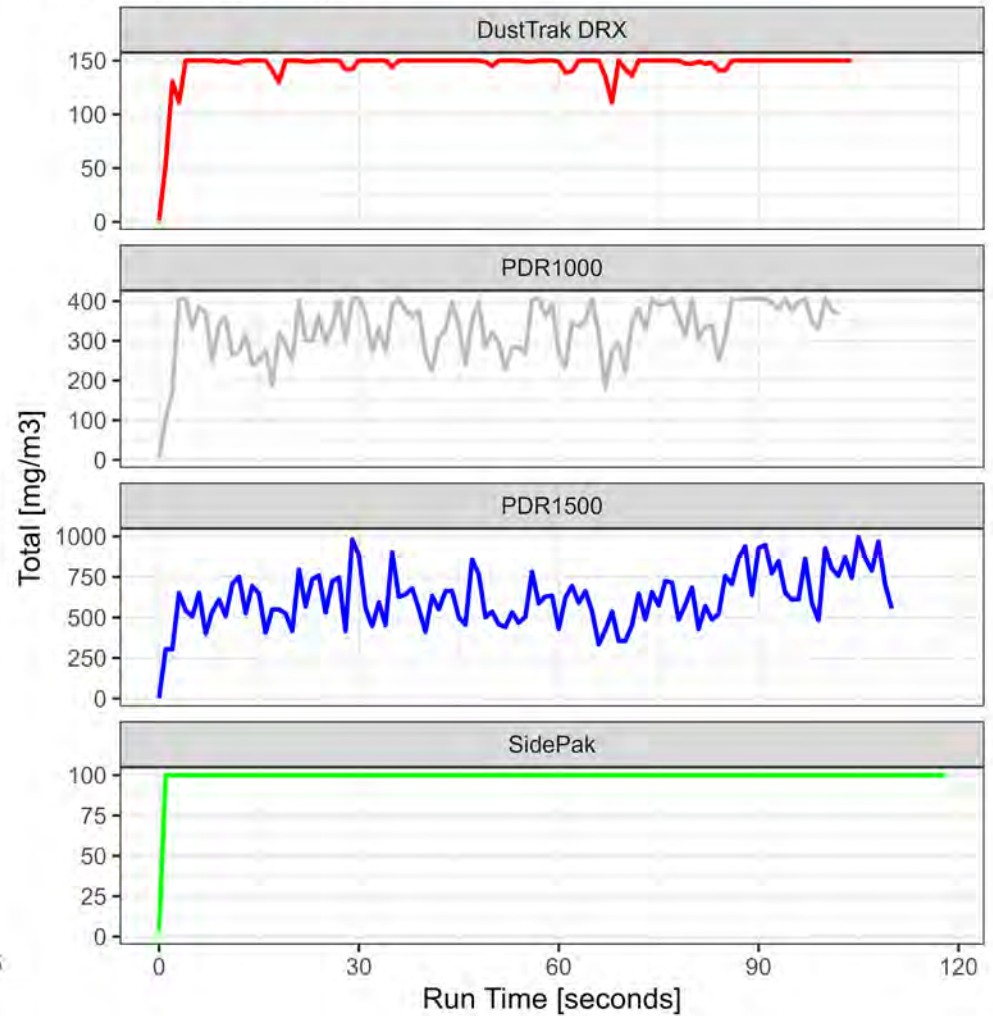
Run ID: D2-06 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-06 | Position: 1



Run ID: D2-06; Fog Machine: Viper NT; Fluid: Slow fog; Fan: NA

Instrument Lag - Position 1
Run 6

Figure 6

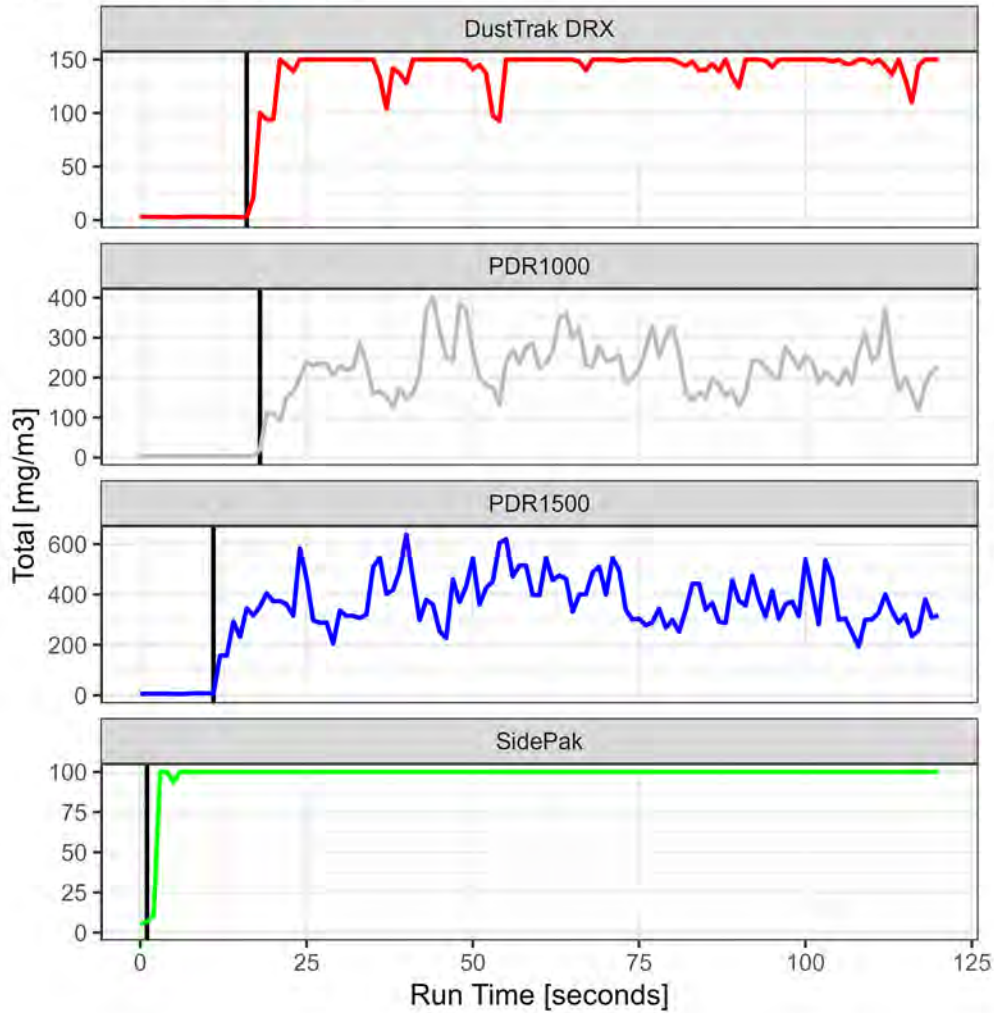
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Raw Data

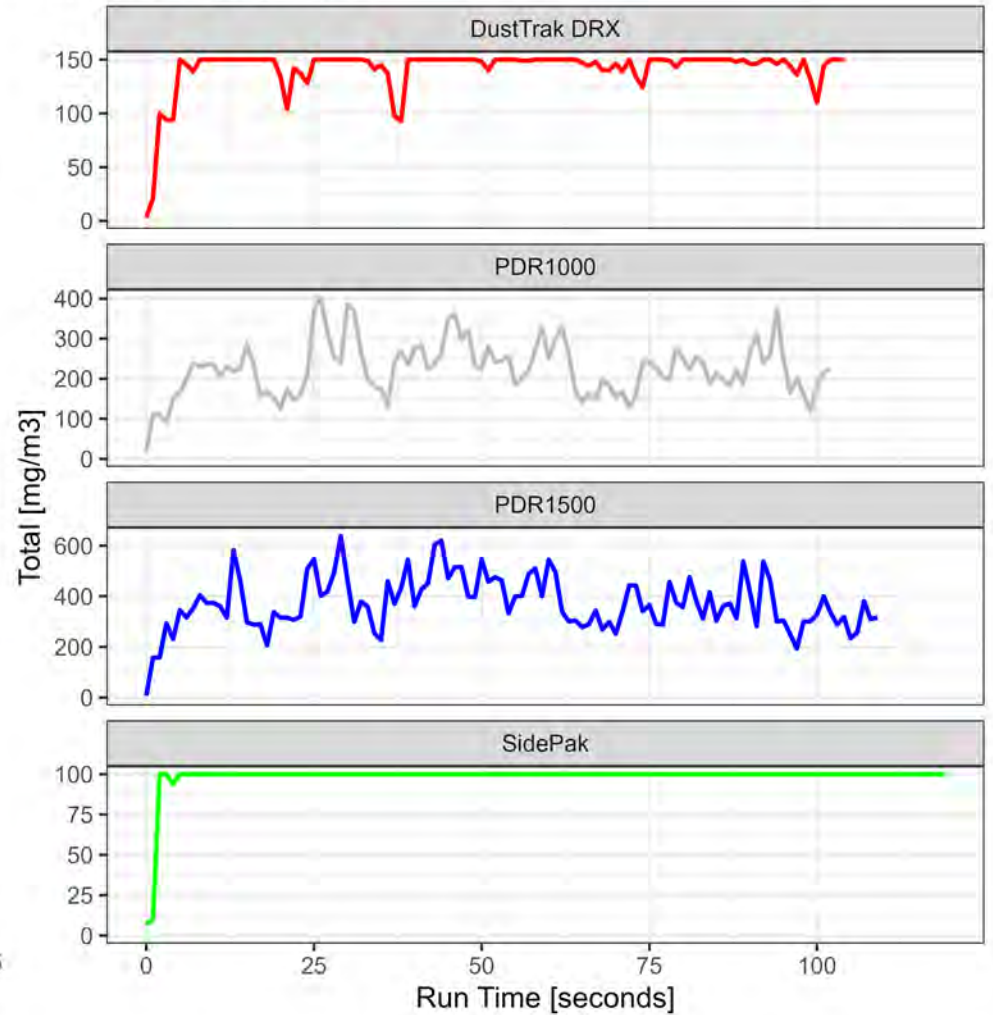
Run ID: D2-07 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-07 | Position: 1



Run ID: D2-07; Fog Machine: Viper NT; Fluid: Slow fog; Fan: NA

Instrument Lag - Position 1
Run 7

Address

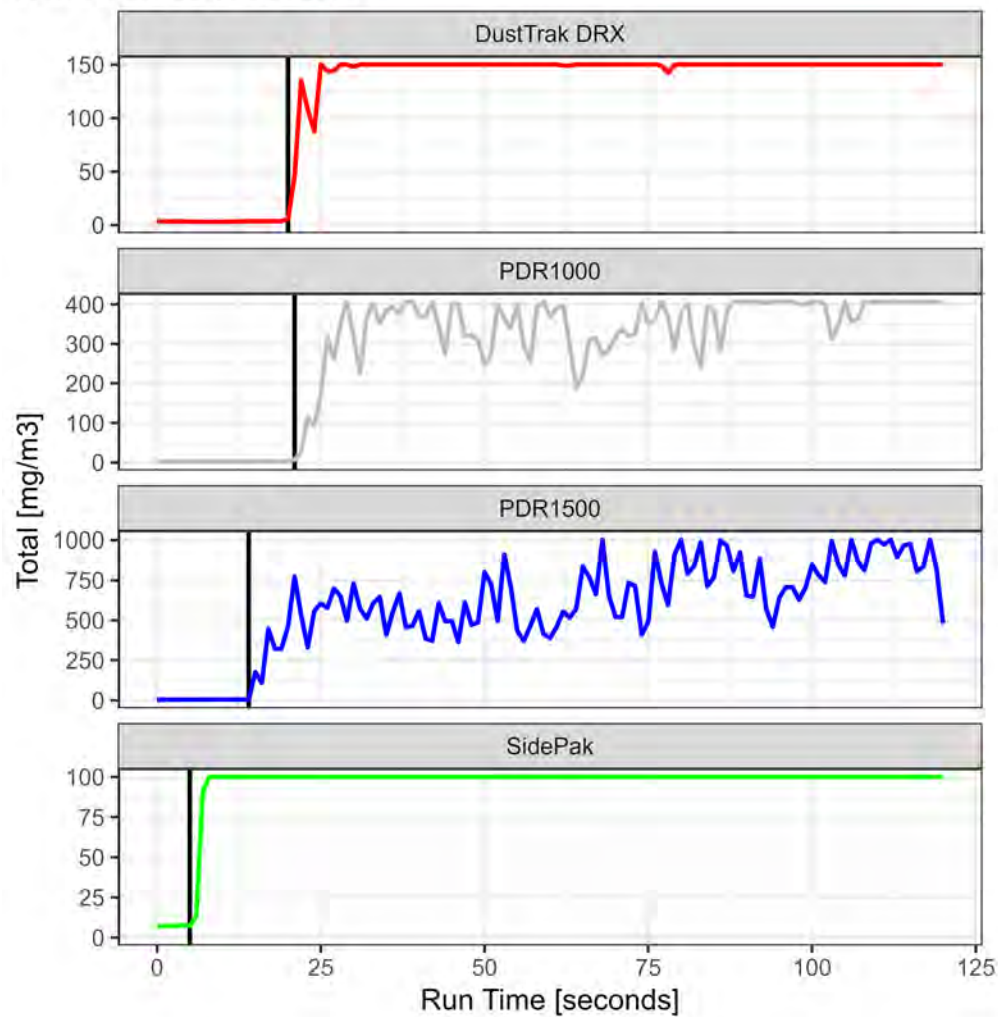
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Raw Data

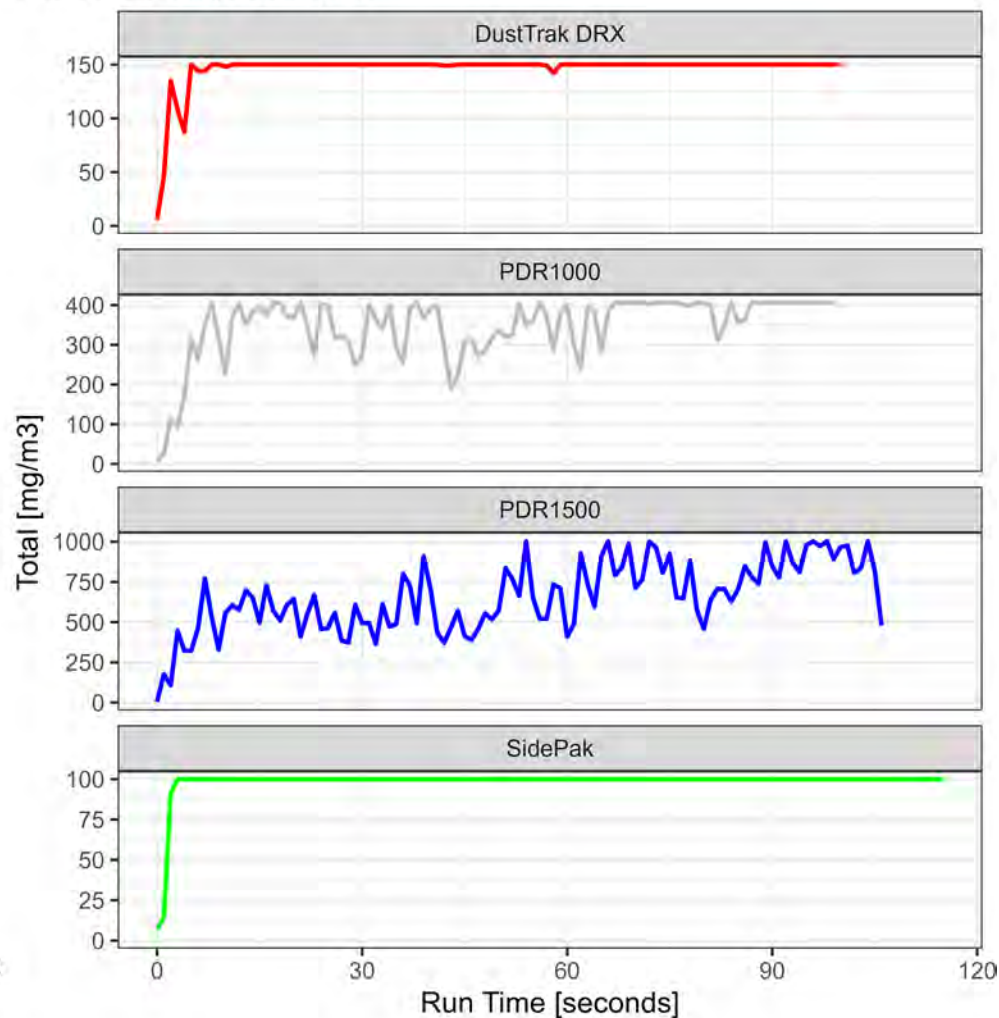
Run ID: D2-08 | Position: 1



Lag Period

Aligned Data

Run ID: D2-08 | Position: 1



Run ID: D2-08; Fog Machine: Cobra 1.8; Fluid: Slow fog; Fan: NA

Instrument Lag - Position 1
Run 8

Figure 8

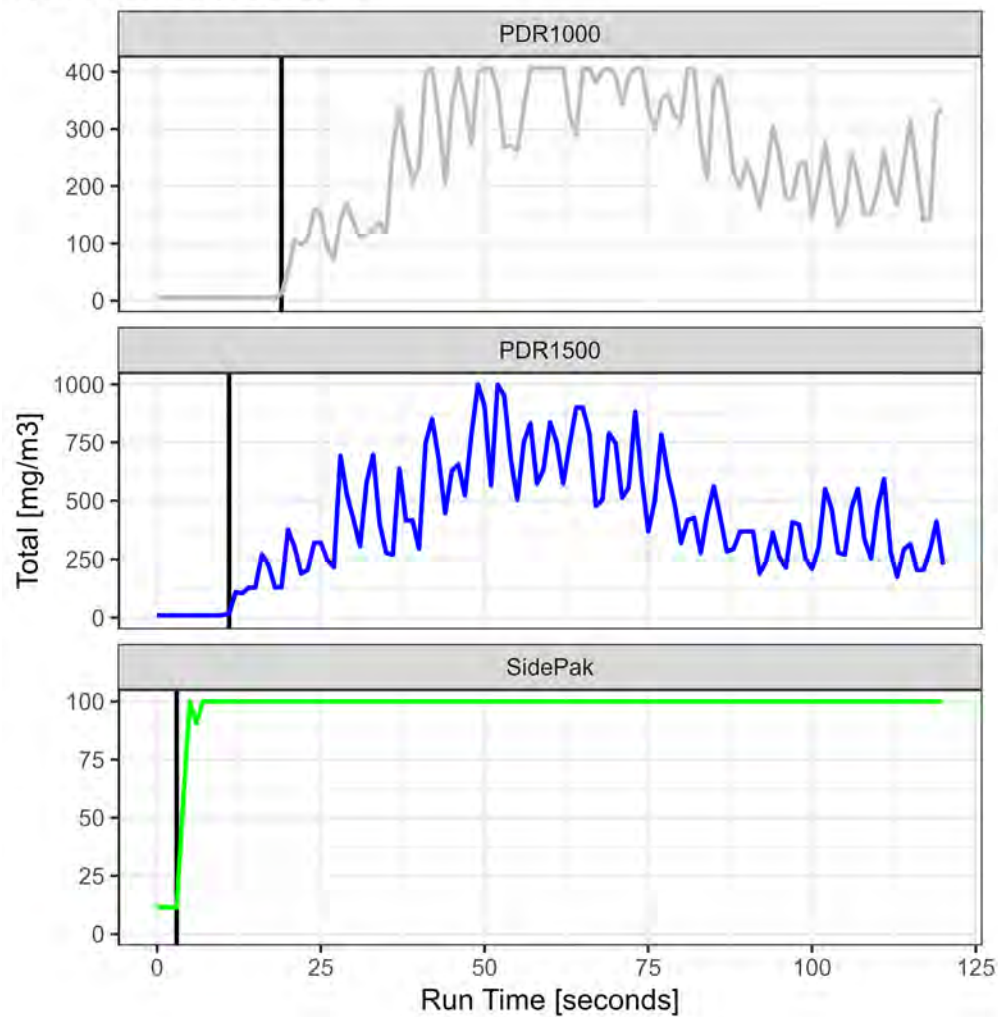
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Raw Data

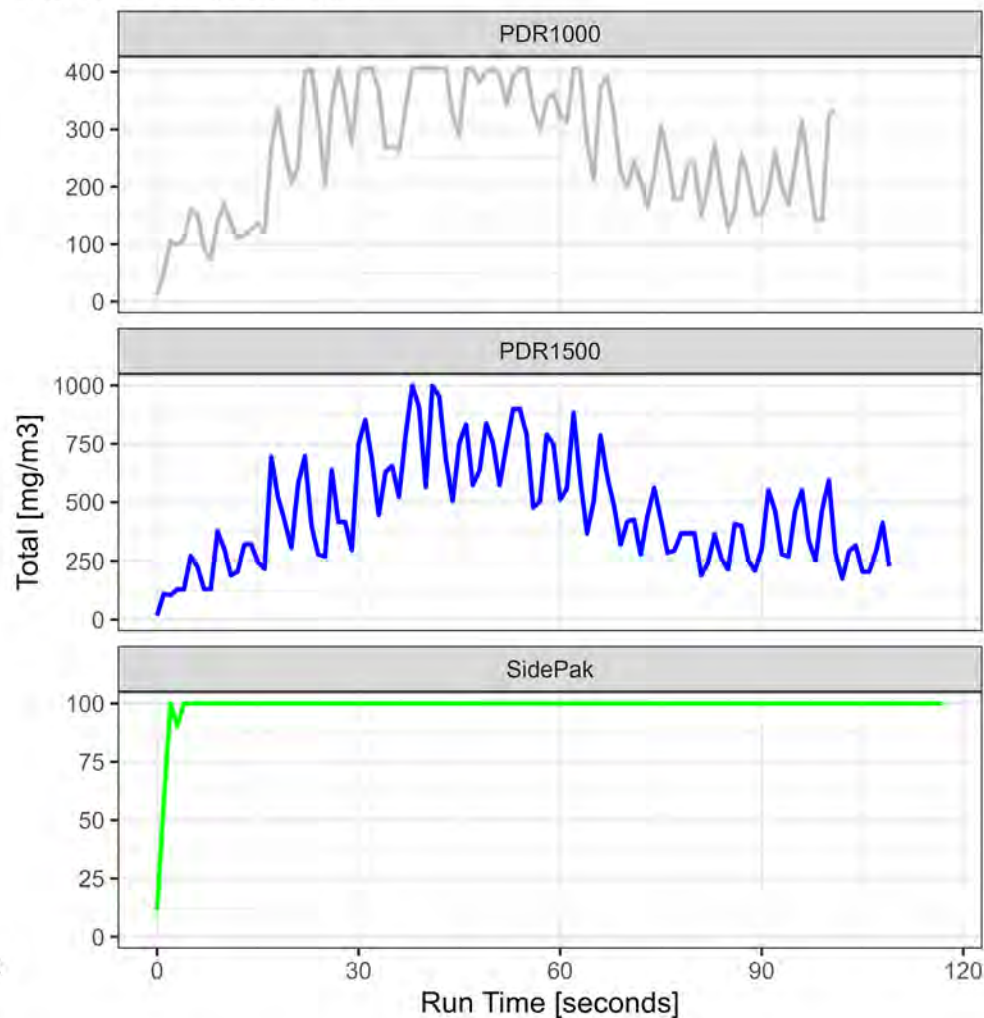
Run ID: D2-09 | Position: 1



Lag Period

Aligned Data

Run ID: D2-09 | Position: 1



Run ID: D2-09; Fog Machine: Cobra 1.8; Fluid: Quick fog; Fan: NA

Instrument Lag - Position 1
Run 9

Figure 9

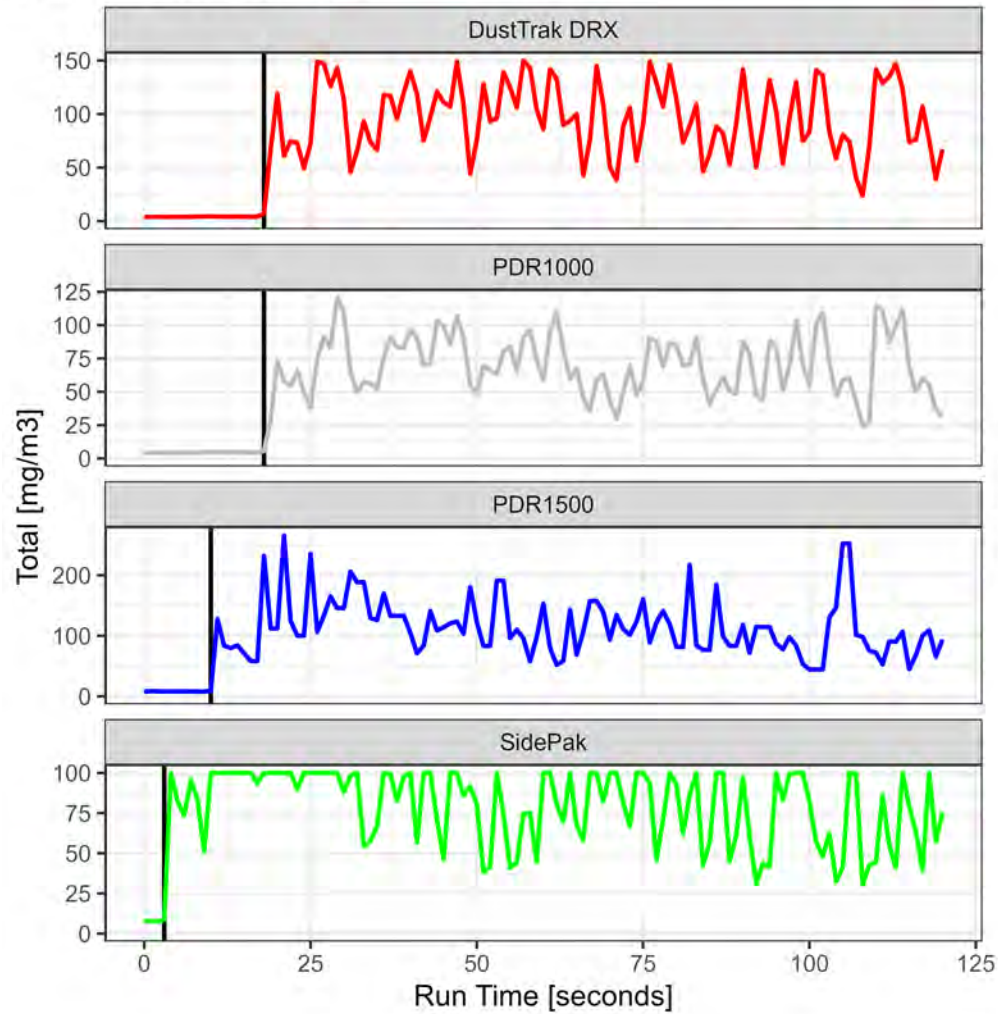
Address

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Raw Data

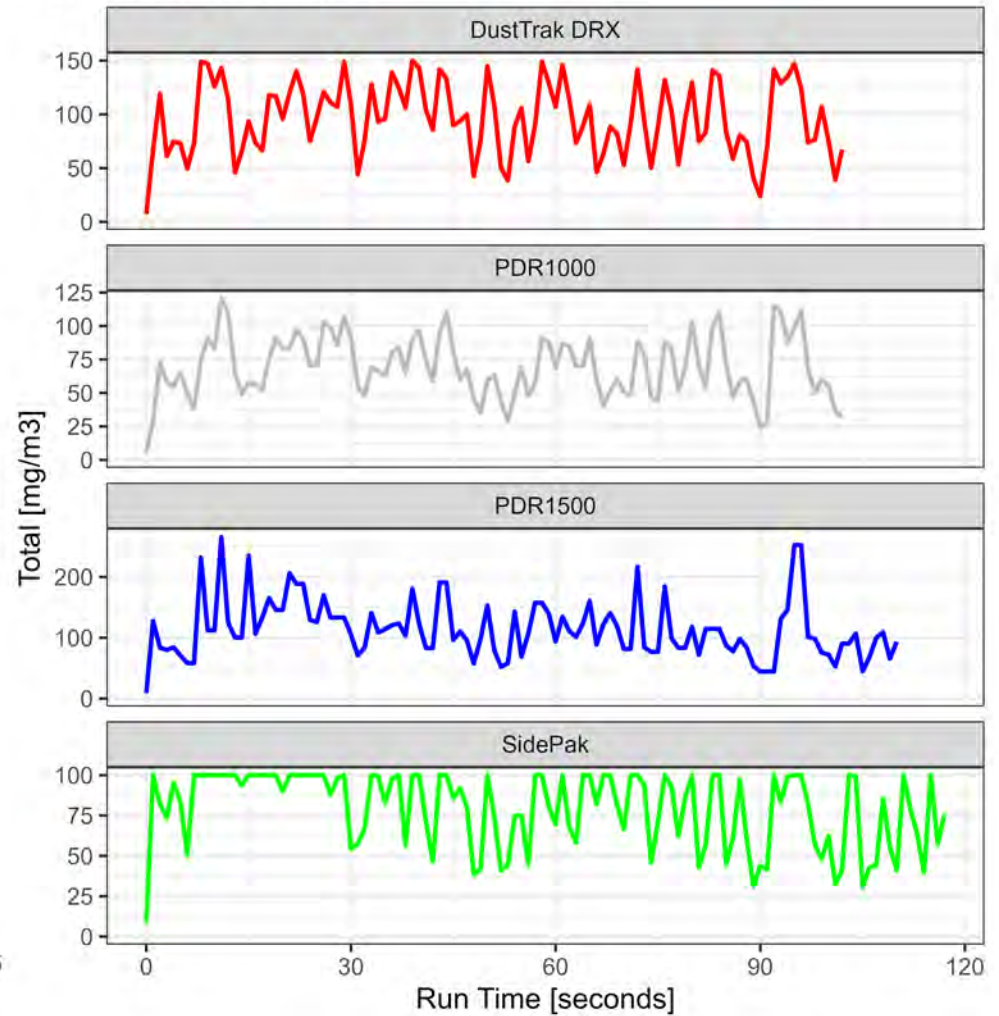
Run ID: D2-10 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-10 | Position: 1



Run ID: D2-10; Fog Machine: Cobra 1.8; Fluid: Quick fog; Fan: NA

Instrument Lag - Position 1
Run 10

Figure 10

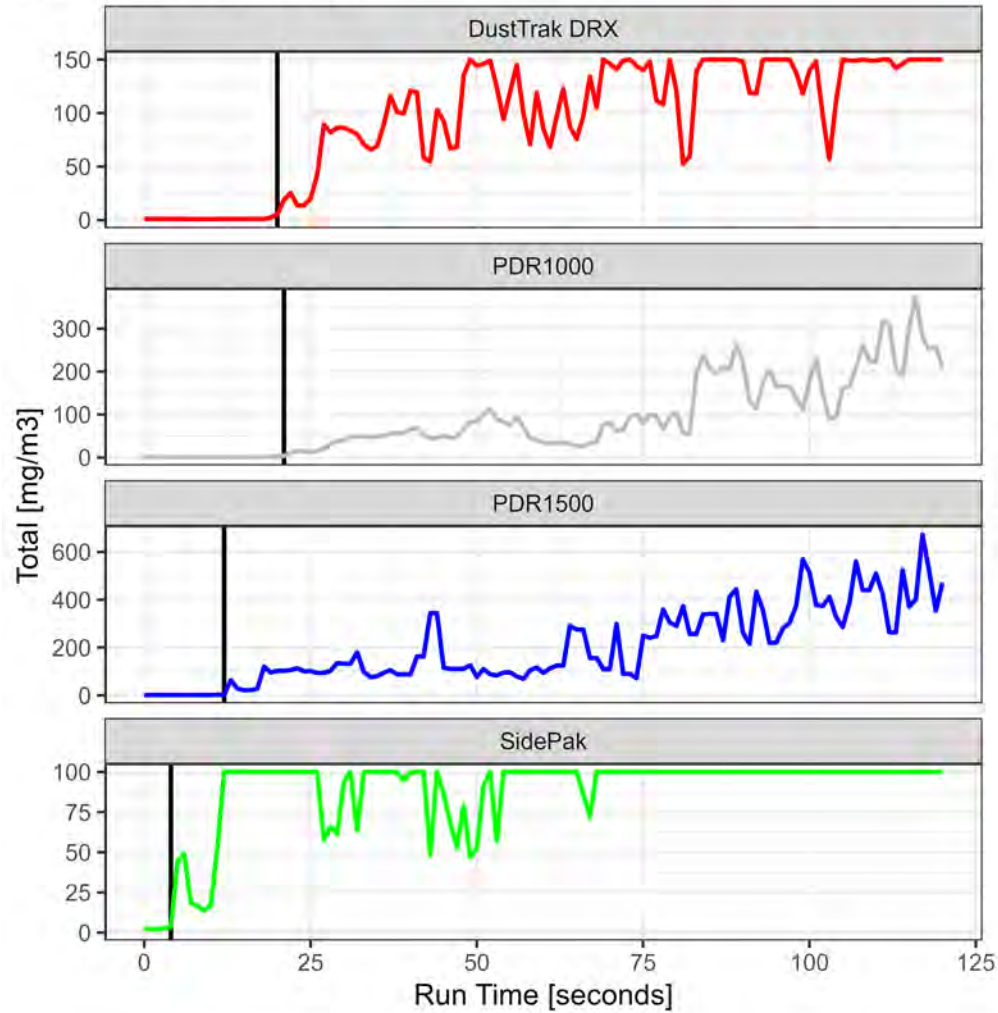
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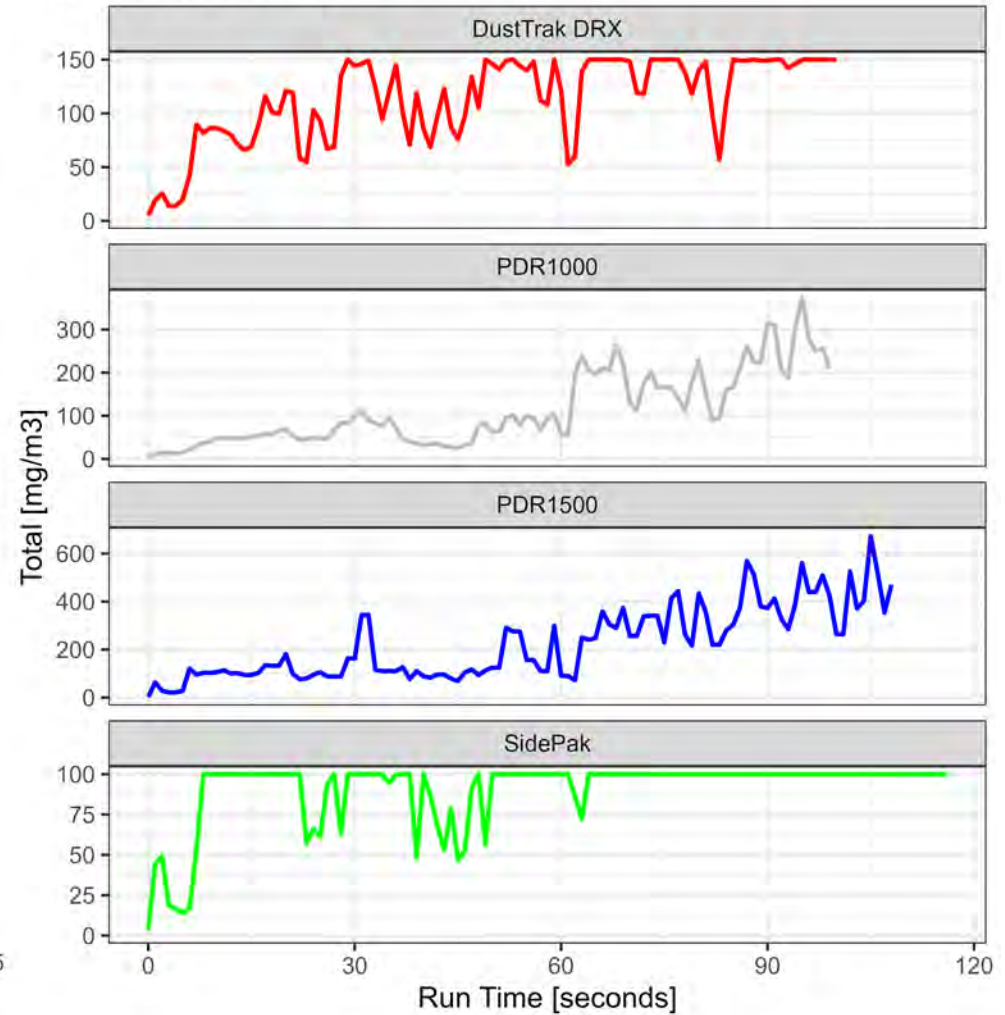
Run ID: D2-11 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-11 | Position: 1



Run ID: D2-11; Fog Machine: Cobra 1.8; Fluid: Regular fog; Fan: NA

Instrument Lag - Position 1
Run 11

Figure 11

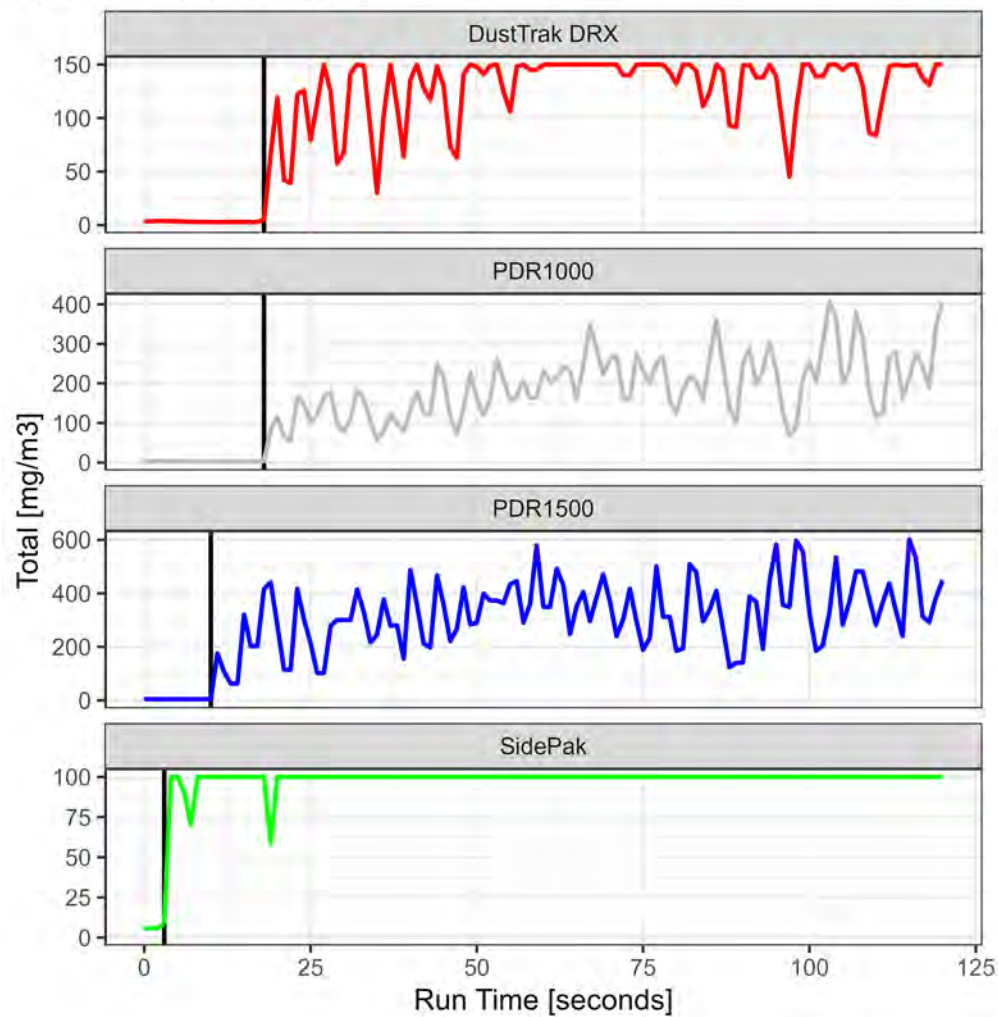
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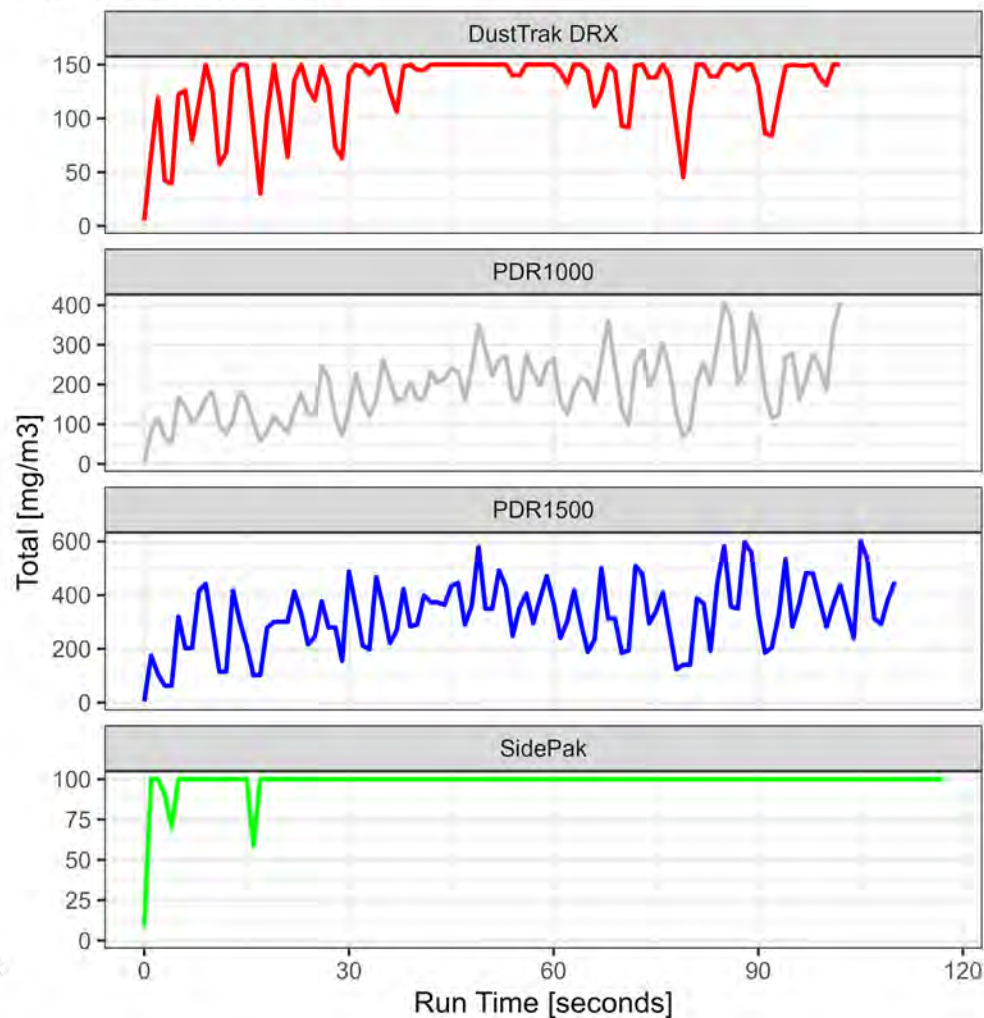
Run ID: D2-12 | Position: 1



Lag Period

Aligned Data

Run ID: D2-12 | Position: 1



Run ID: D2-12; Fog Machine: Cobra 1.8; Fluid: Regular fog; Fan: NA

Instrument Lag - Position 1
Run 12

Figure 12

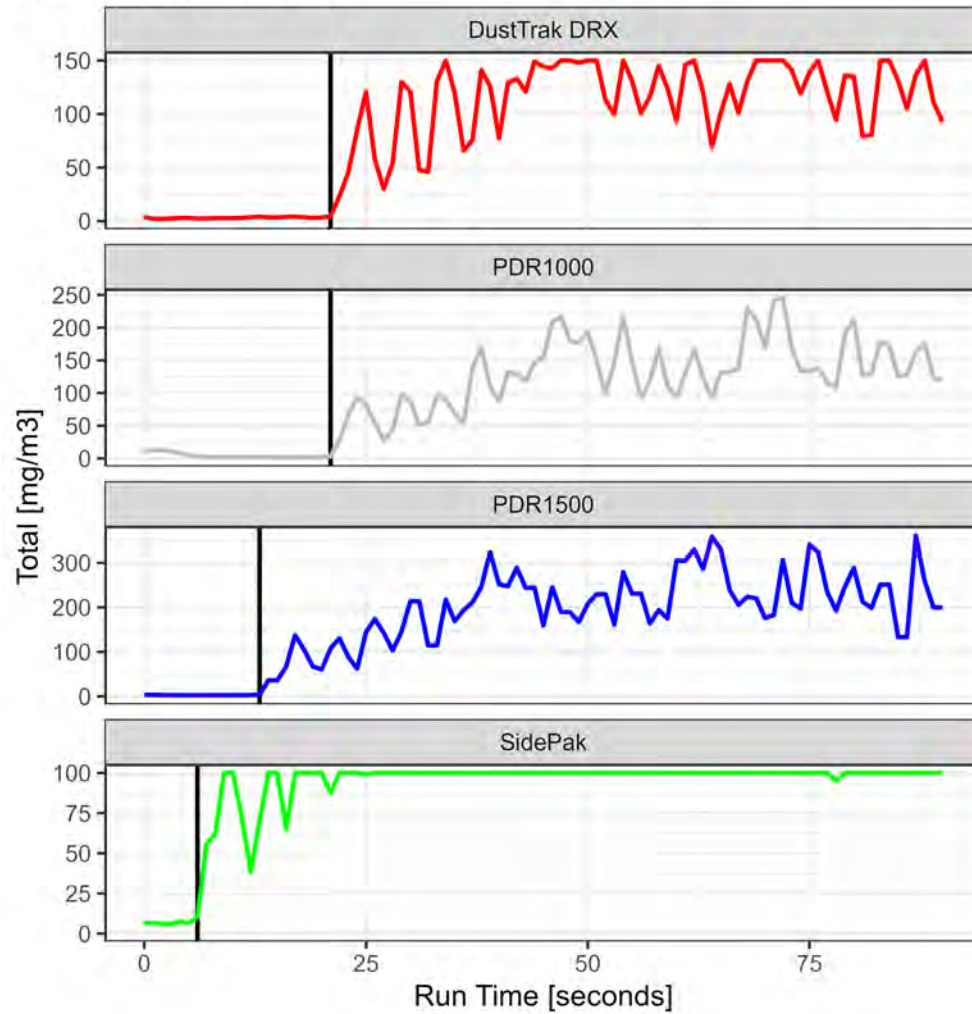
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Raw Data

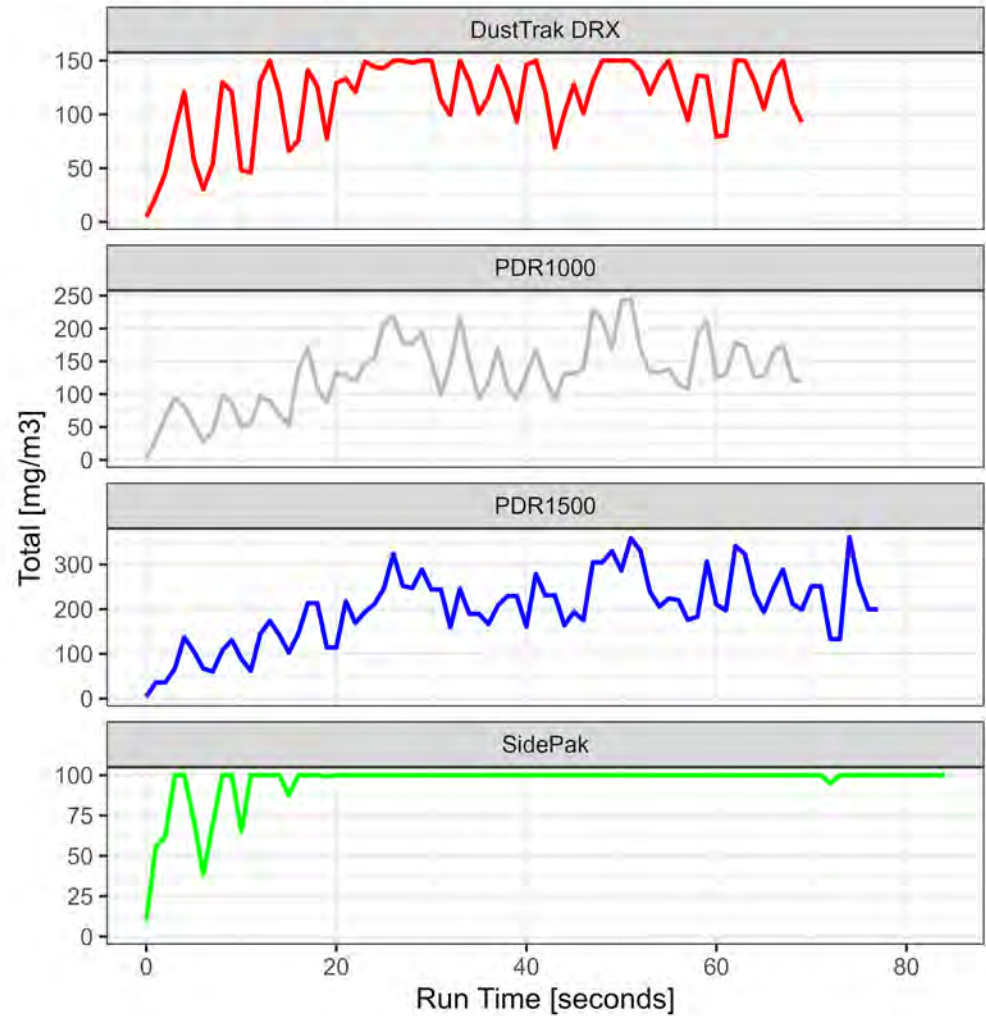
Run ID: D2-13 | Position: 1



Lag Period

Aligned Data

Run ID: D2-13 | Position: 1



Run ID: D2-13; Fog Machine: Cobra 1.8 (media); Fluid: Regular fog; Fan: NA

Instrument Lag - Position 1
Run 13

Figure 13

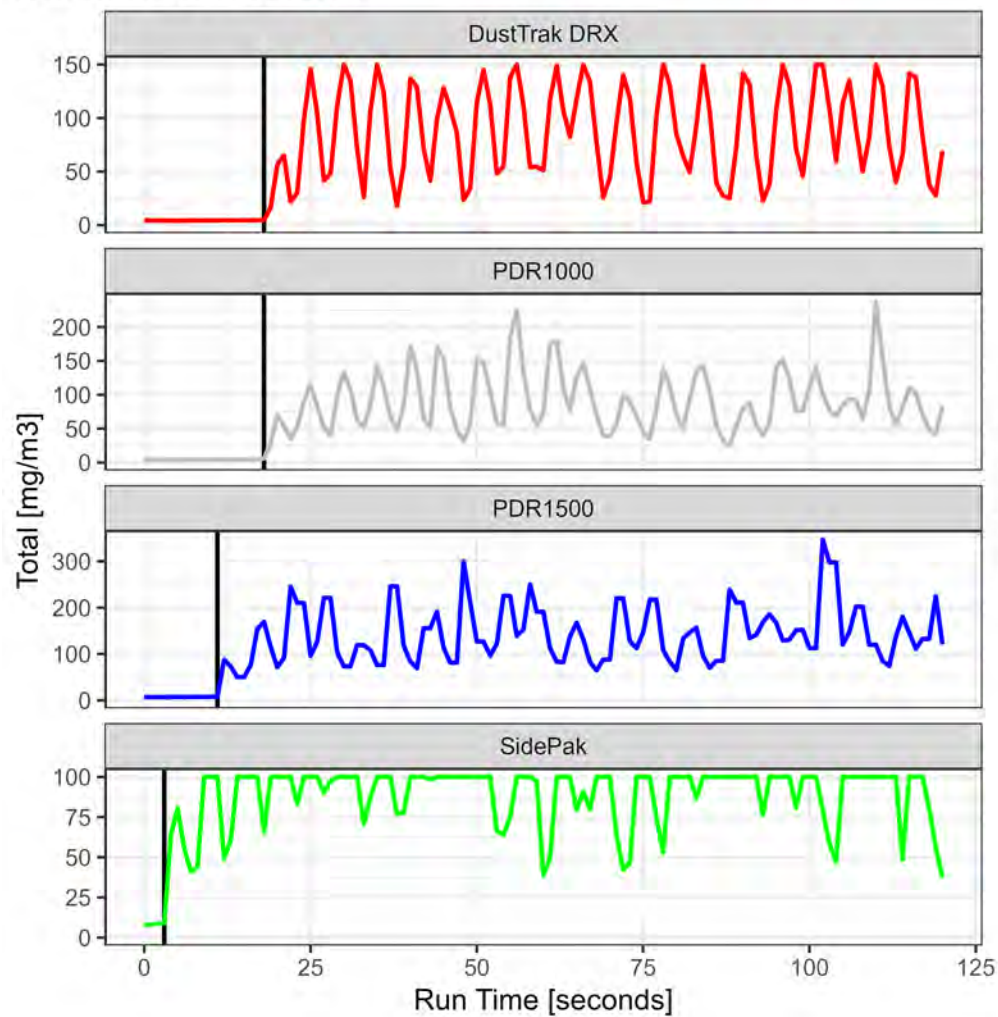
Address

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Raw Data

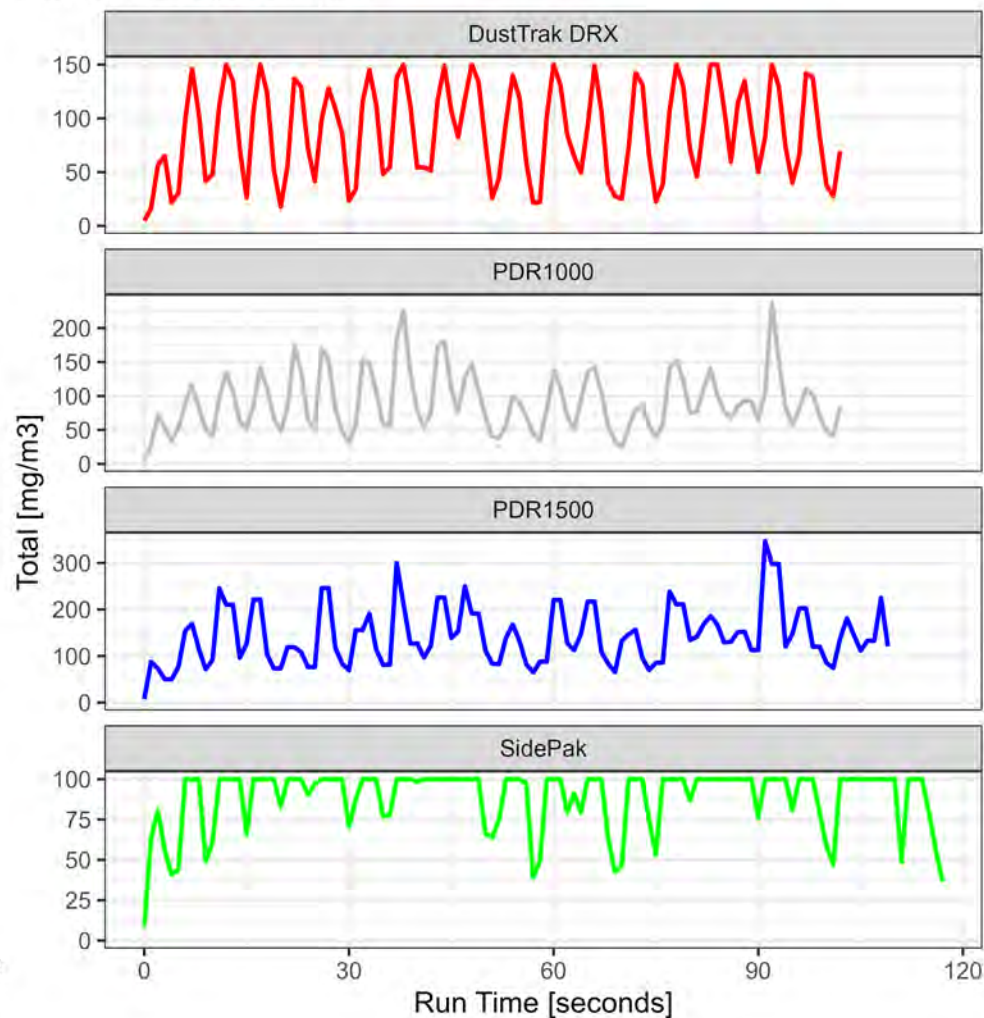
Run ID: D2-14 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-14 | Position: 1



Run ID: D2-14; Fog Machine: Cobra 1.8 (media); Fluid: Regular fog; Fan: NA

Instrument Lag - Position 1
Run 14

Figure 14

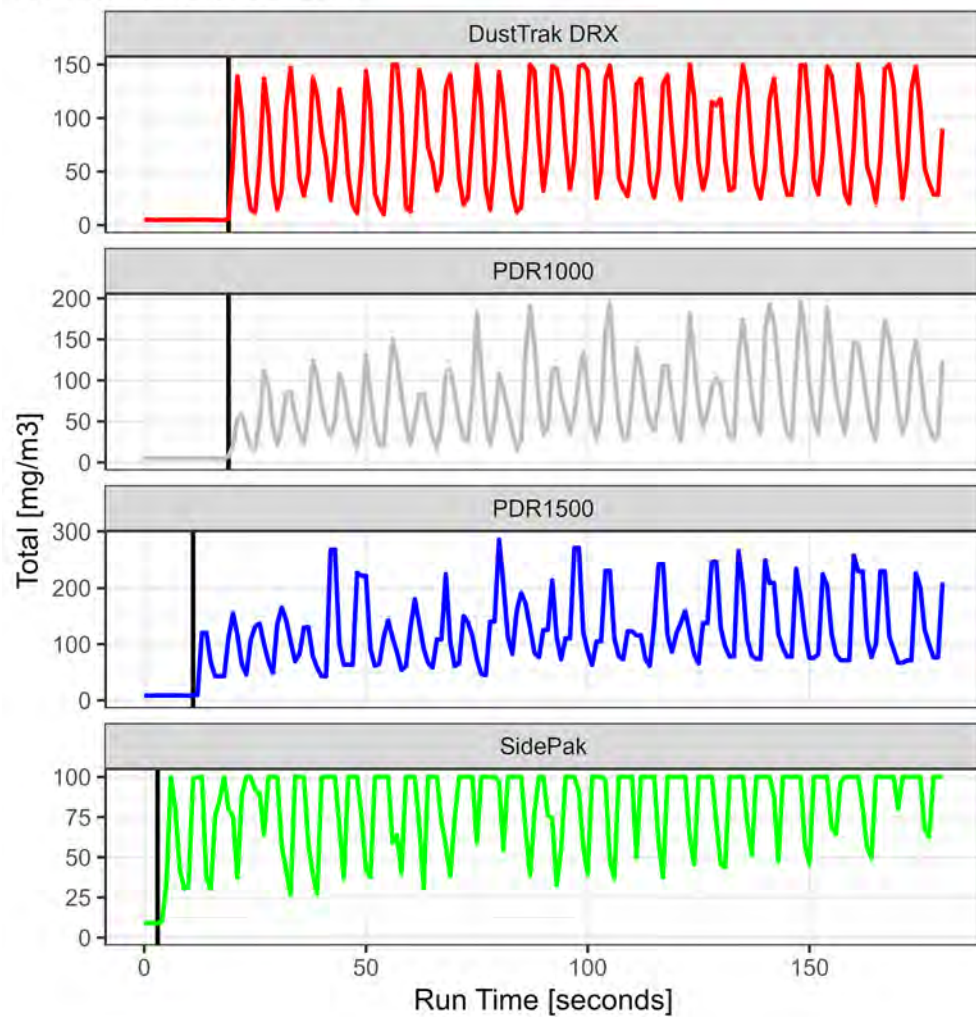
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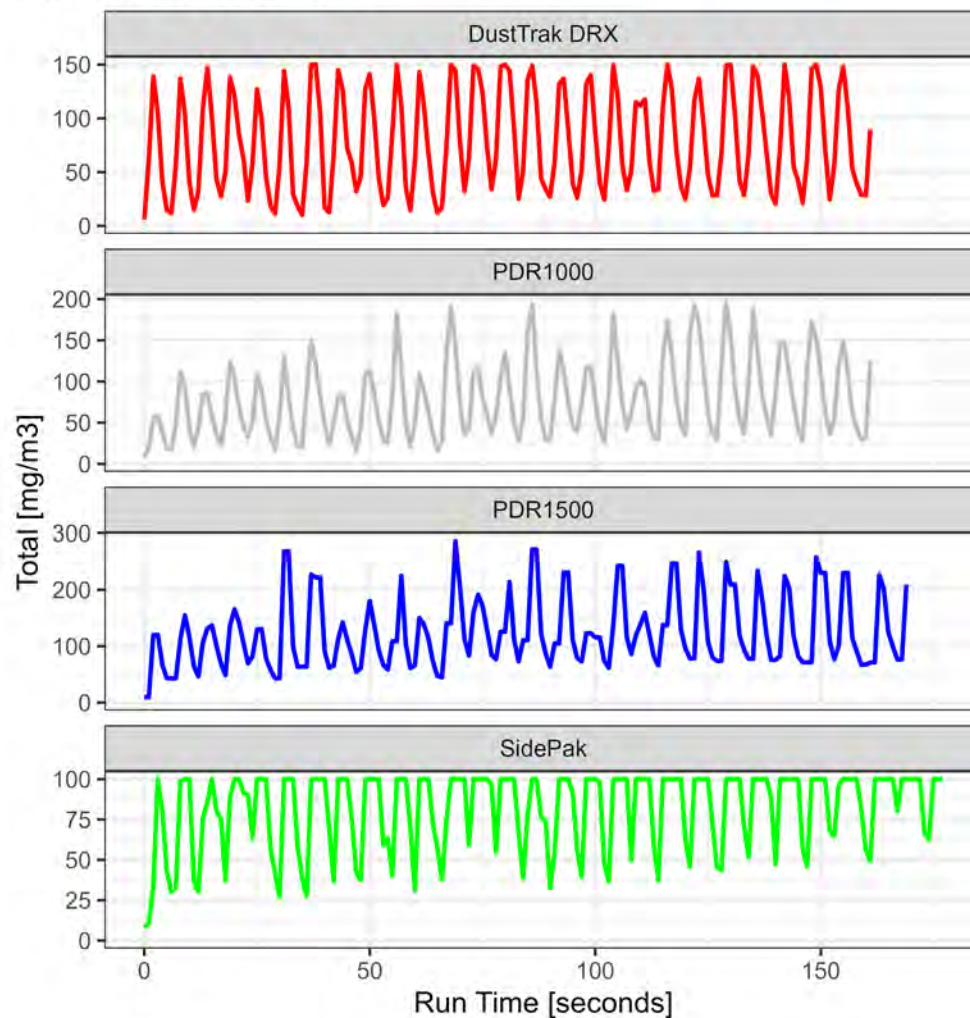
Raw Data

Run ID: D2-15 | Position: 1



Aligned Data

Run ID: D2-15 | Position: 1



Run ID: D2-15; Fog Machine: Cobra 1.8 (media); Fluid: Regular fog; Fan: NA

Instrument Lag - Position 1
Run 15

Address

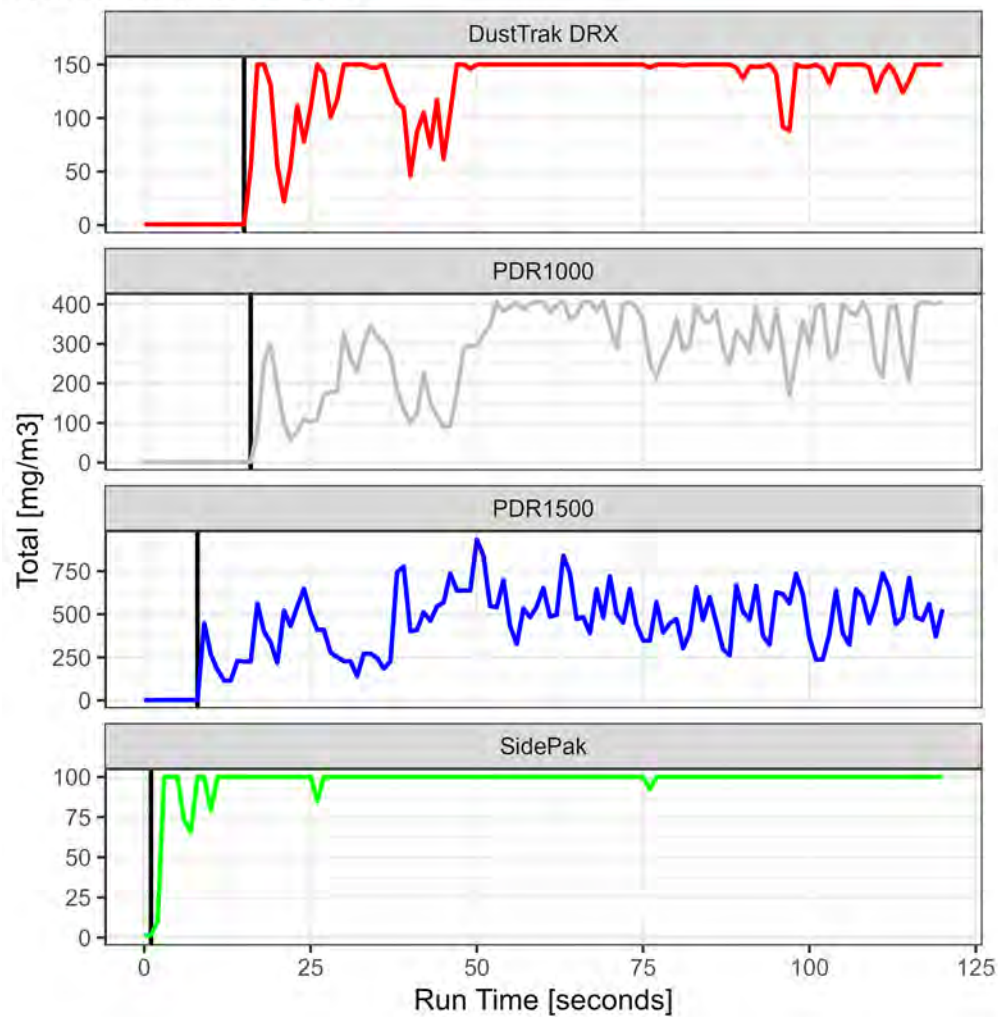
Figure 15

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Raw Data

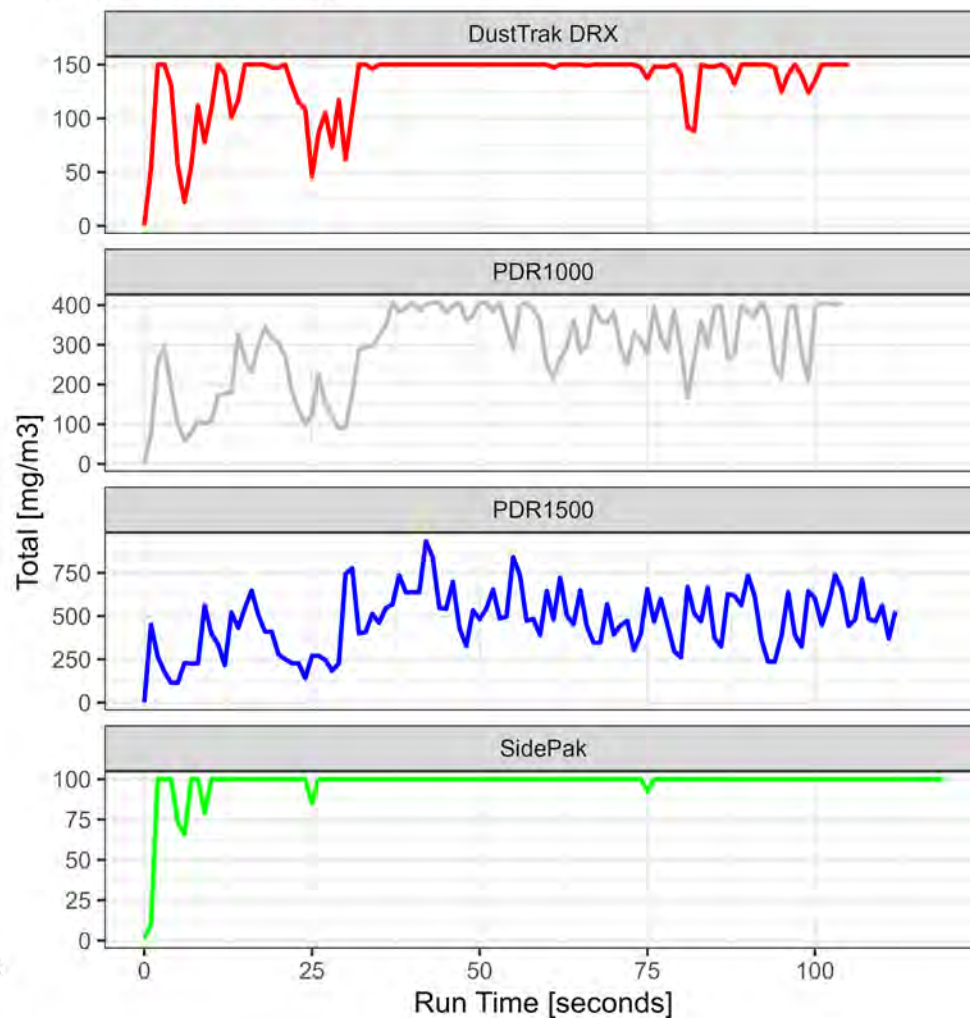
Run ID: D2-17 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-17 | Position: 1



Run ID: D2-17; Fog Machine: Piccolo; Fluid: Base B; Fan: Fan on

Instrument Lag - Position 1
Run 17

Figure 16

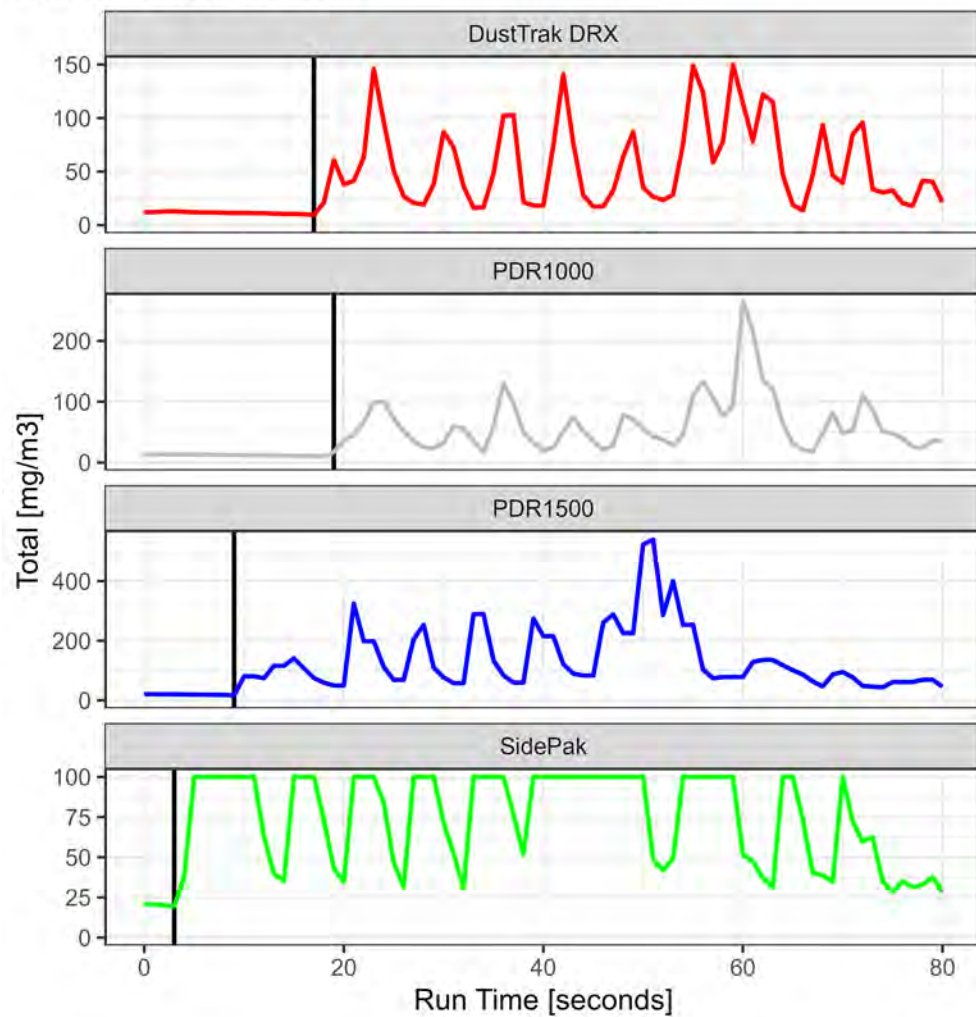
Address

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Raw Data

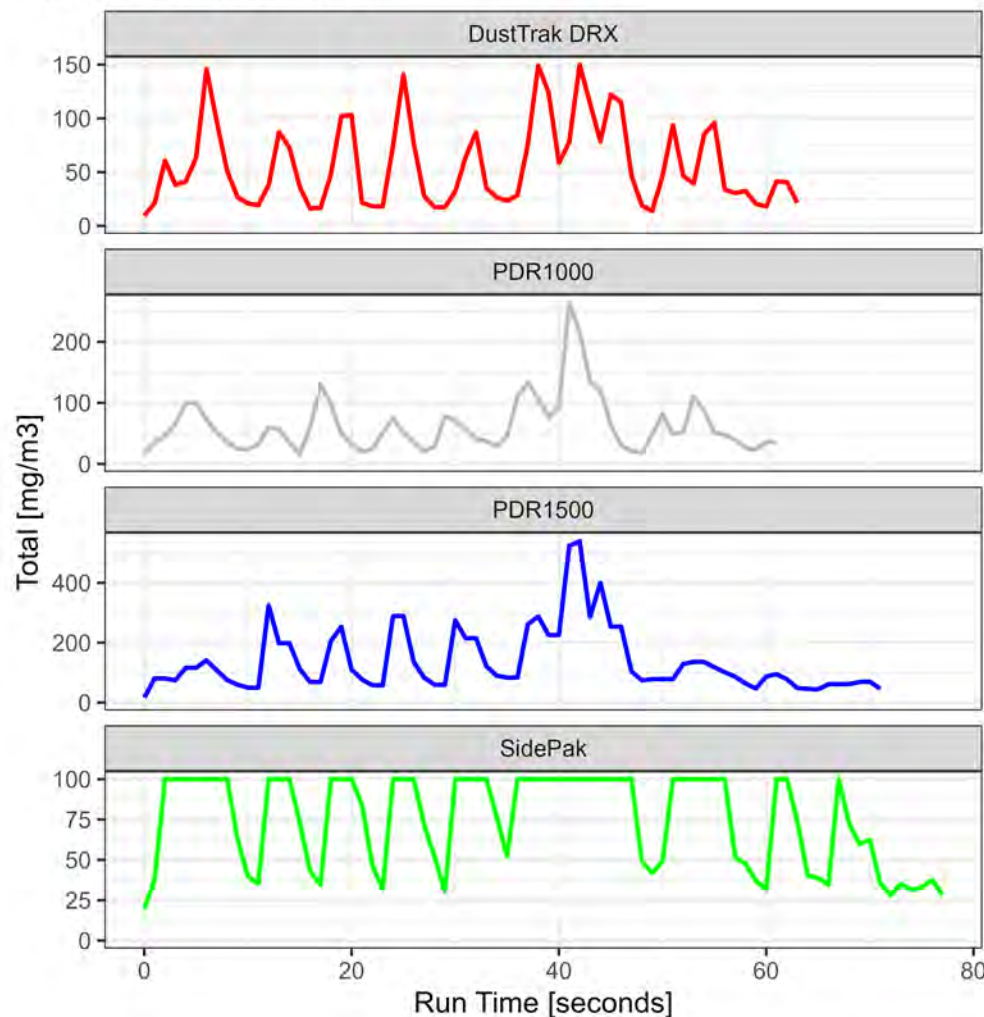
Run ID: D2-18 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-18 | Position: 1



Run ID: D2-18; Fog Machine: Piccolo; Fluid: Base B; Fan: NA

Instrument Lag - Position 1
Run 18

Address

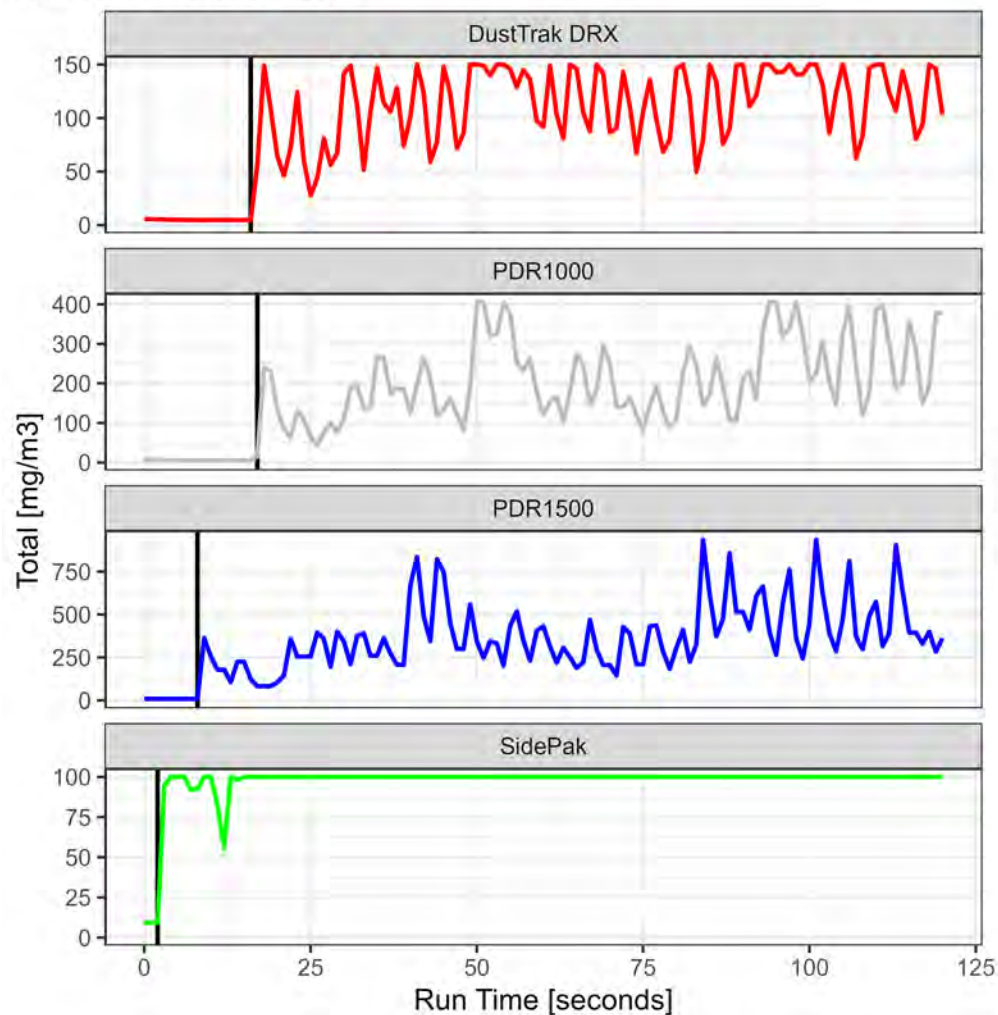
Figure 17

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Raw Data

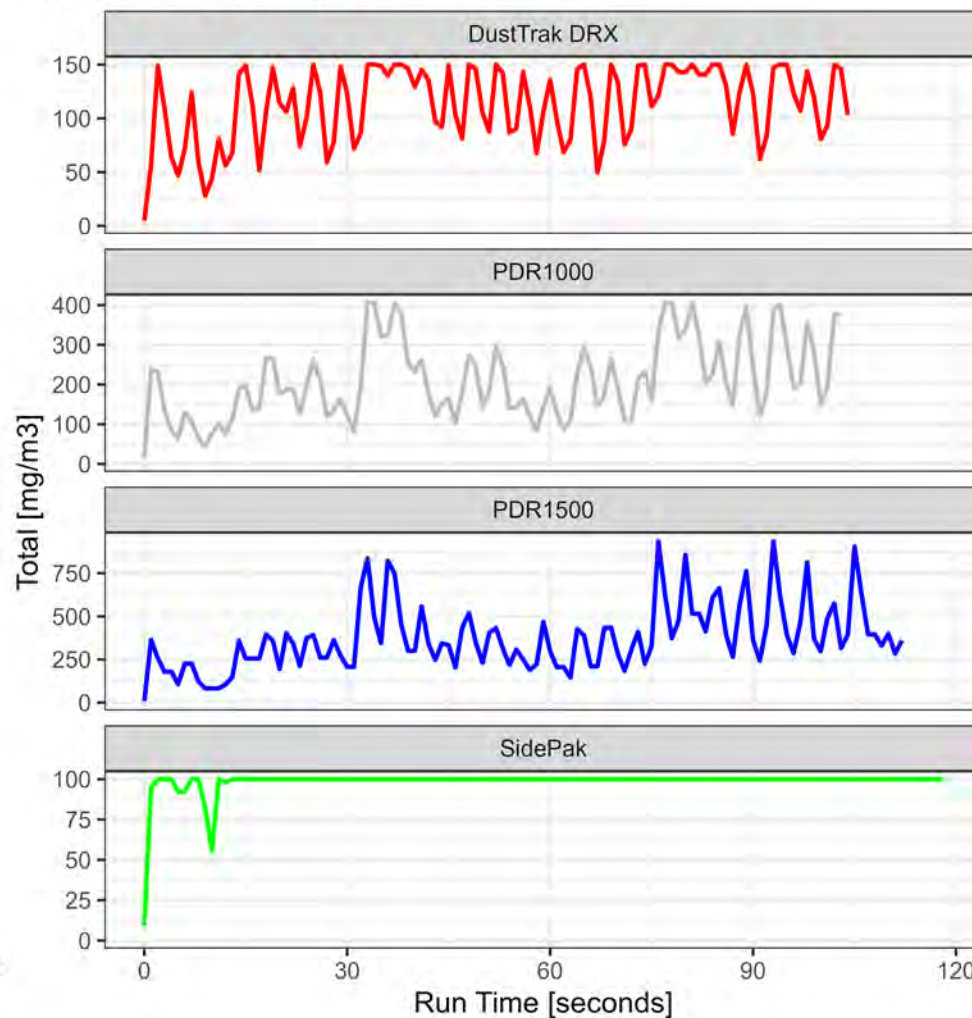
Run ID: D2-19 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-19 | Position: 1



Run ID: D2-19; Fog Machine: Power Tiny (Lux Solutions); Fluid: Tiny fluid; Fan: NA

Instrument Lag - Position 1
Run 19

Figure 18

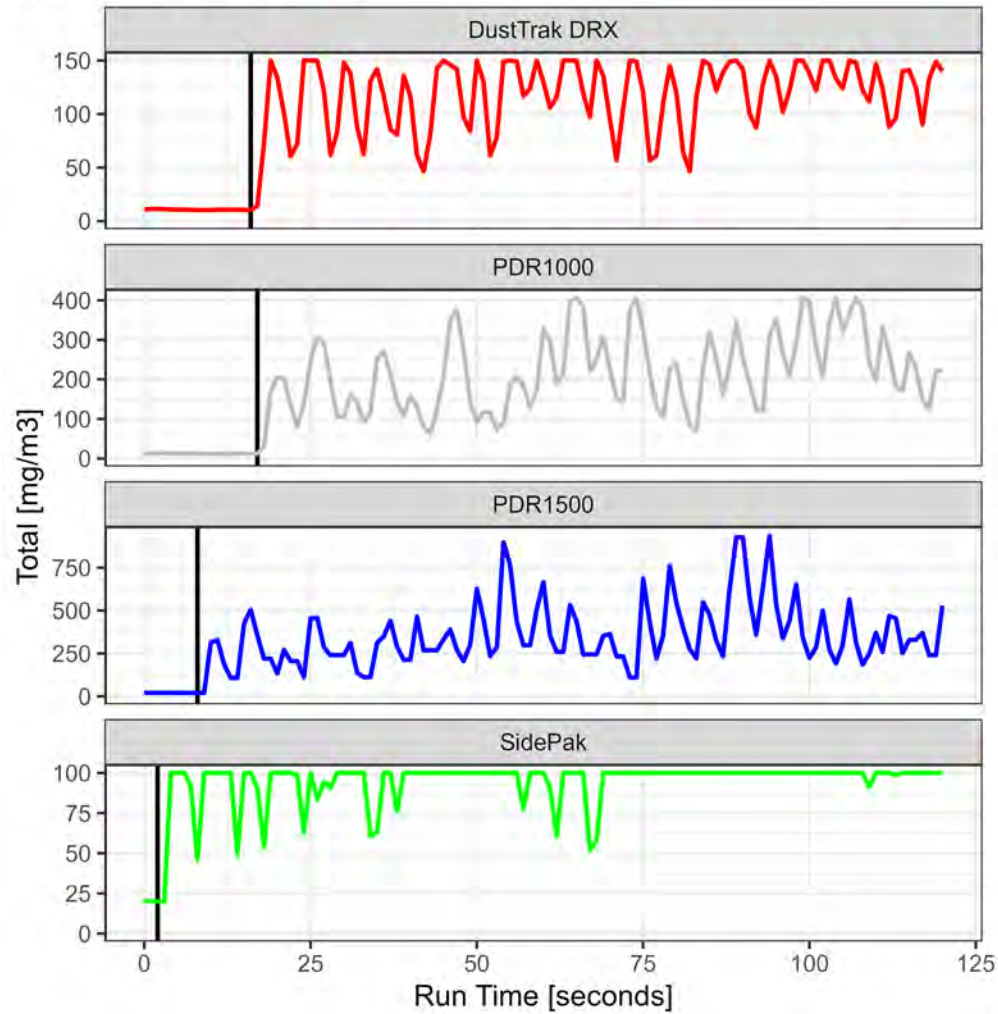
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Raw Data

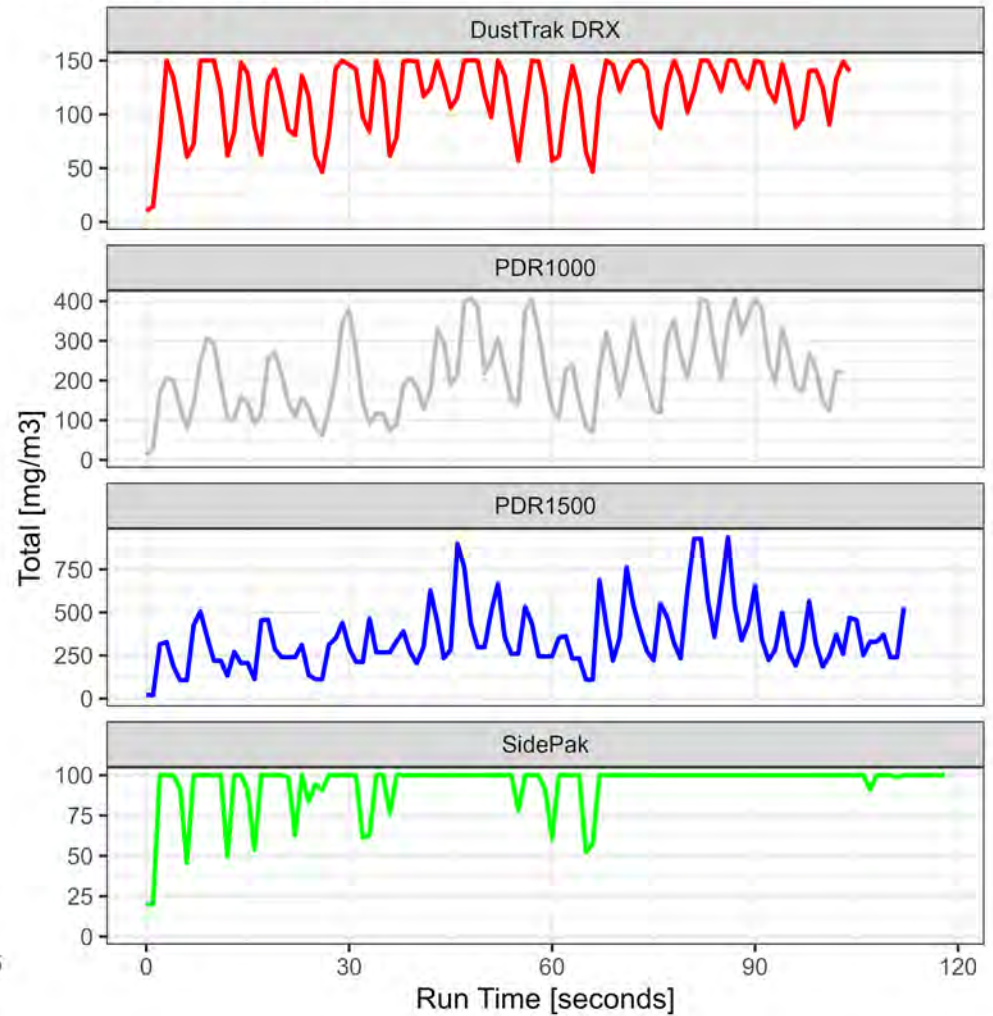
Run ID: D2-20 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-20 | Position: 1



Run ID: D2-20; Fog Machine: Power Tiny (Lux Solutions); Fluid: Tiny fluid; Fan: NA

Instrument Lag - Position 1
Run 20

Figure 19

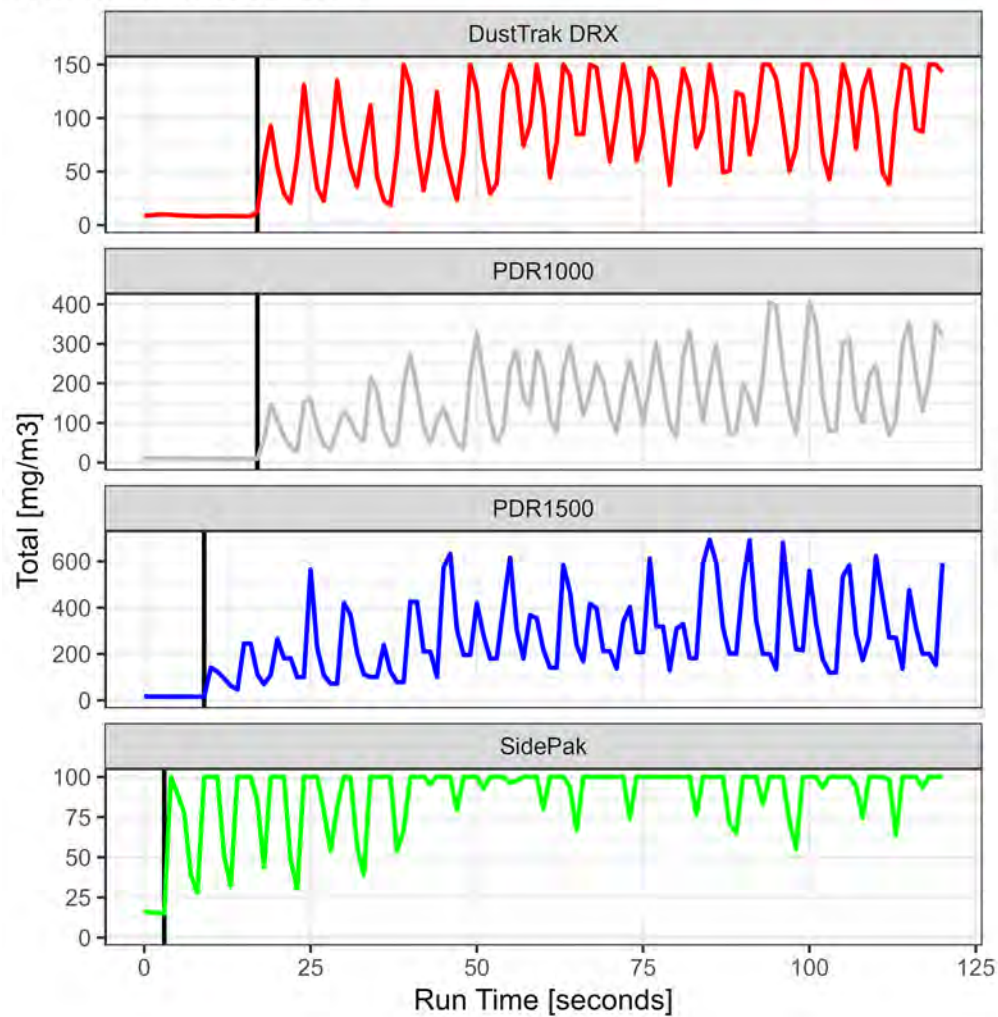
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Raw Data

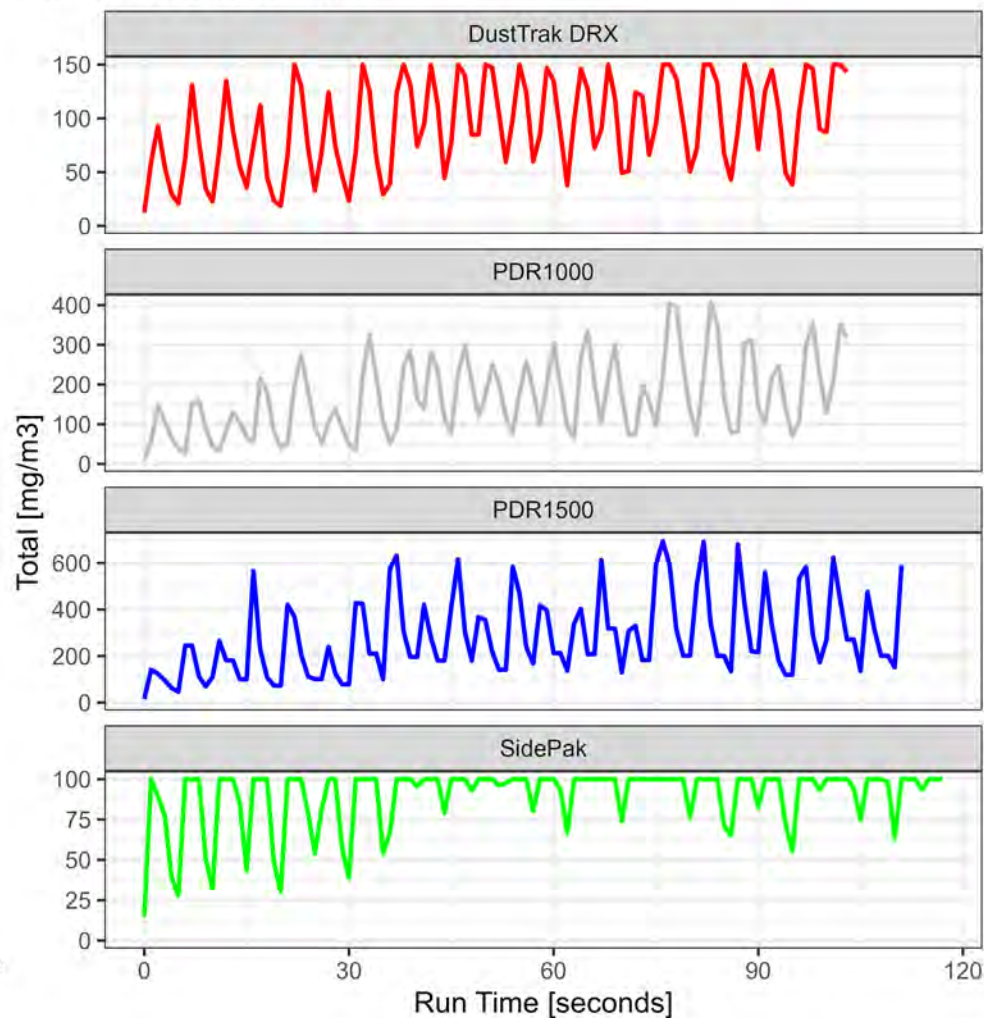
Run ID: D2-21 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-21 | Position: 1



Run ID: D2-21; Fog Machine: Power Tiny (Lux Solutions); Fluid: Tiny fluid; Fan: Fan 50%

Instrument Lag - Position 1
Run 21

Figure 20

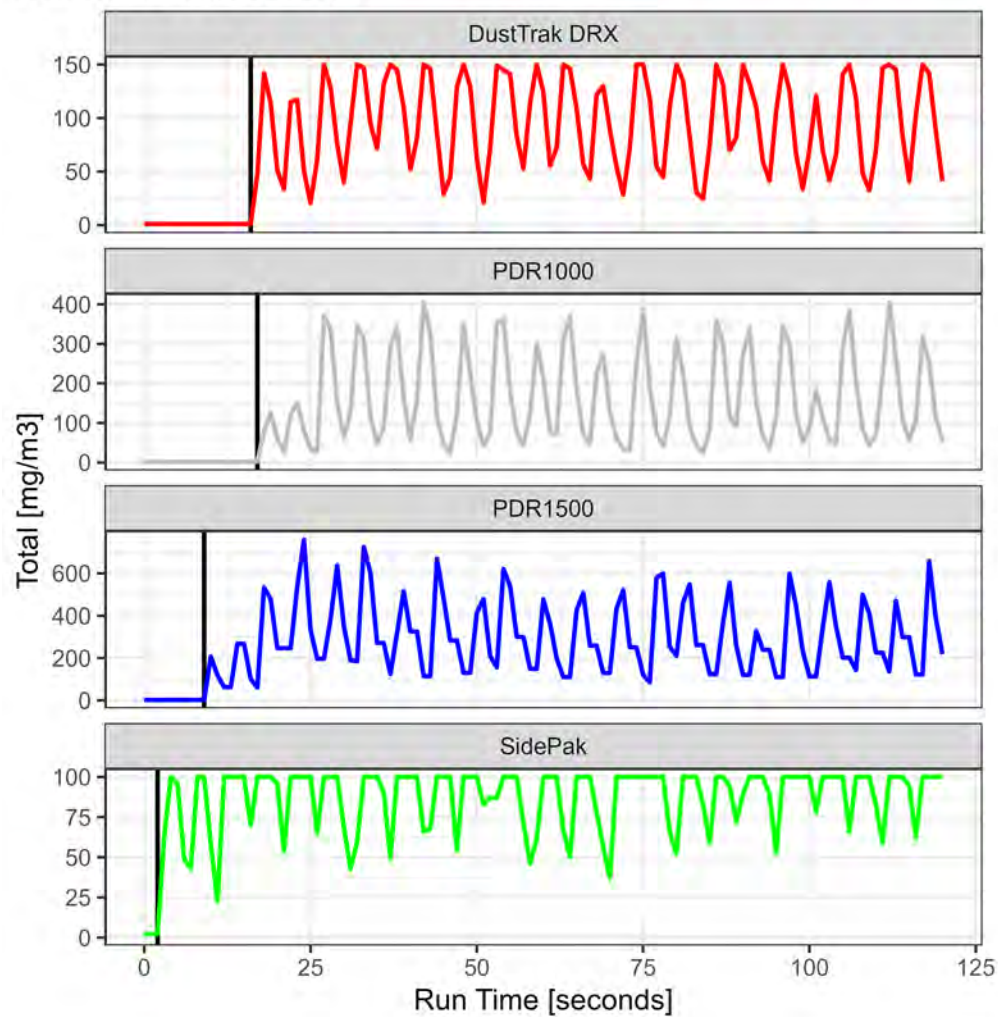
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Raw Data

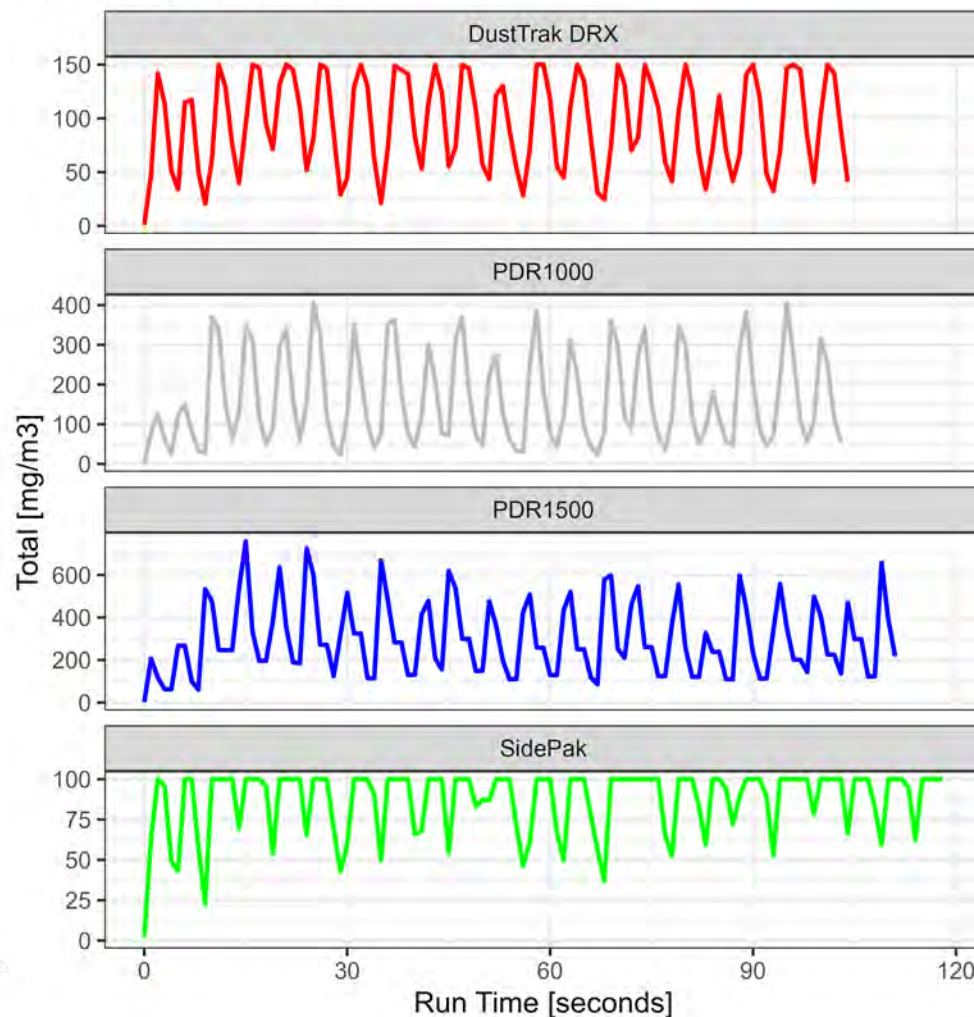
Run ID: D2-22 | Position: 1



Lag Period

Aligned Data

Run ID: D2-22 | Position: 1



Run ID: D2-22; Fog Machine: Power Tiny (media); Fluid: Tiny fluid; Fan: Fan 50%

Instrument Lag - Position 1
Run 22

Figure 21

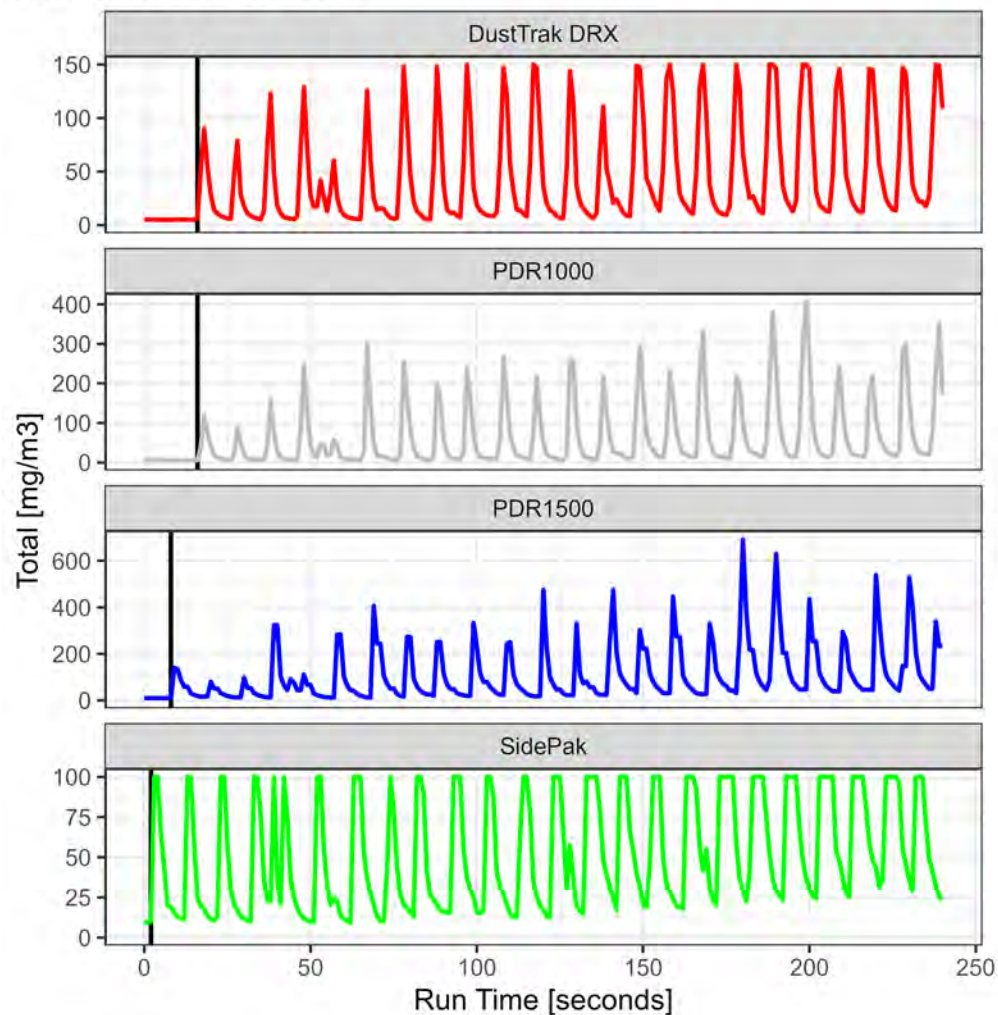
Address

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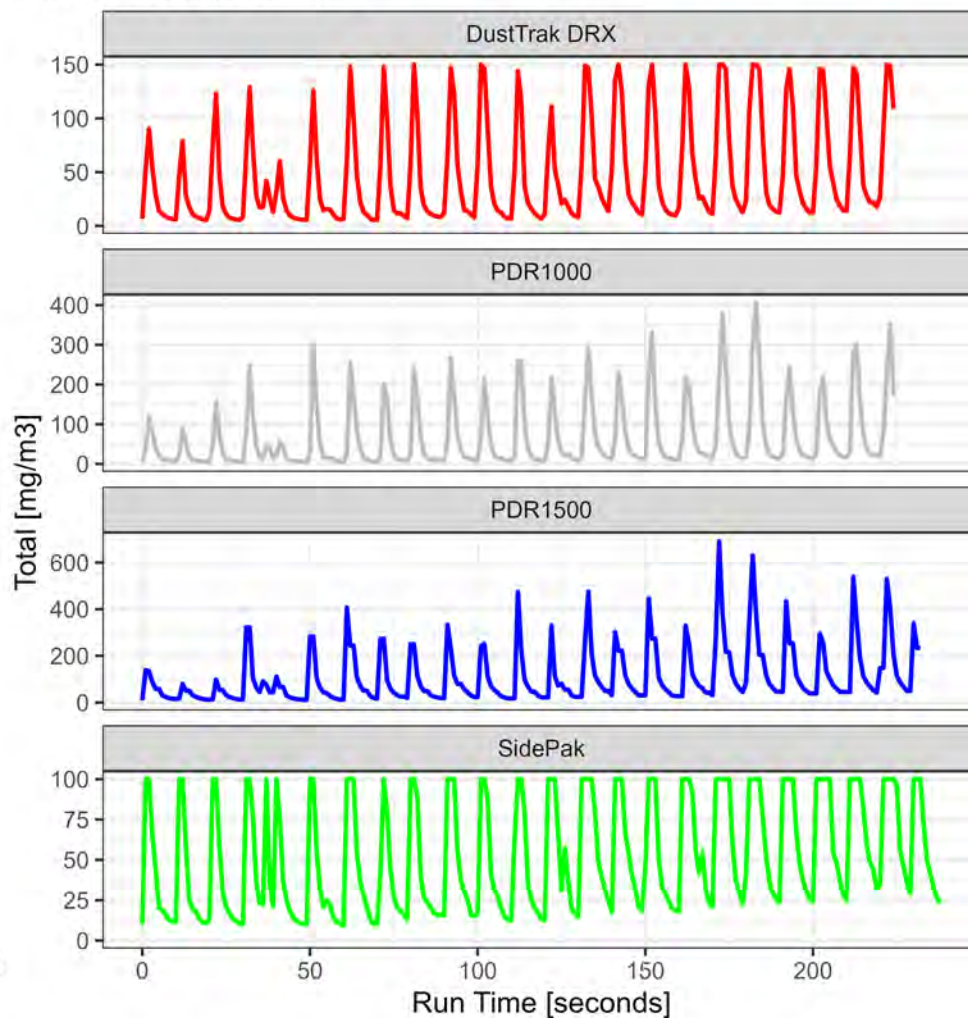
Run ID: D2-23 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-23 | Position: 1



Run ID: D2-23; Fog Machine: Power Tiny (media); Fluid: Tiny fluid; Fan: Fan 50%

Instrument Lag - Position 1
Run 23

Figure 22

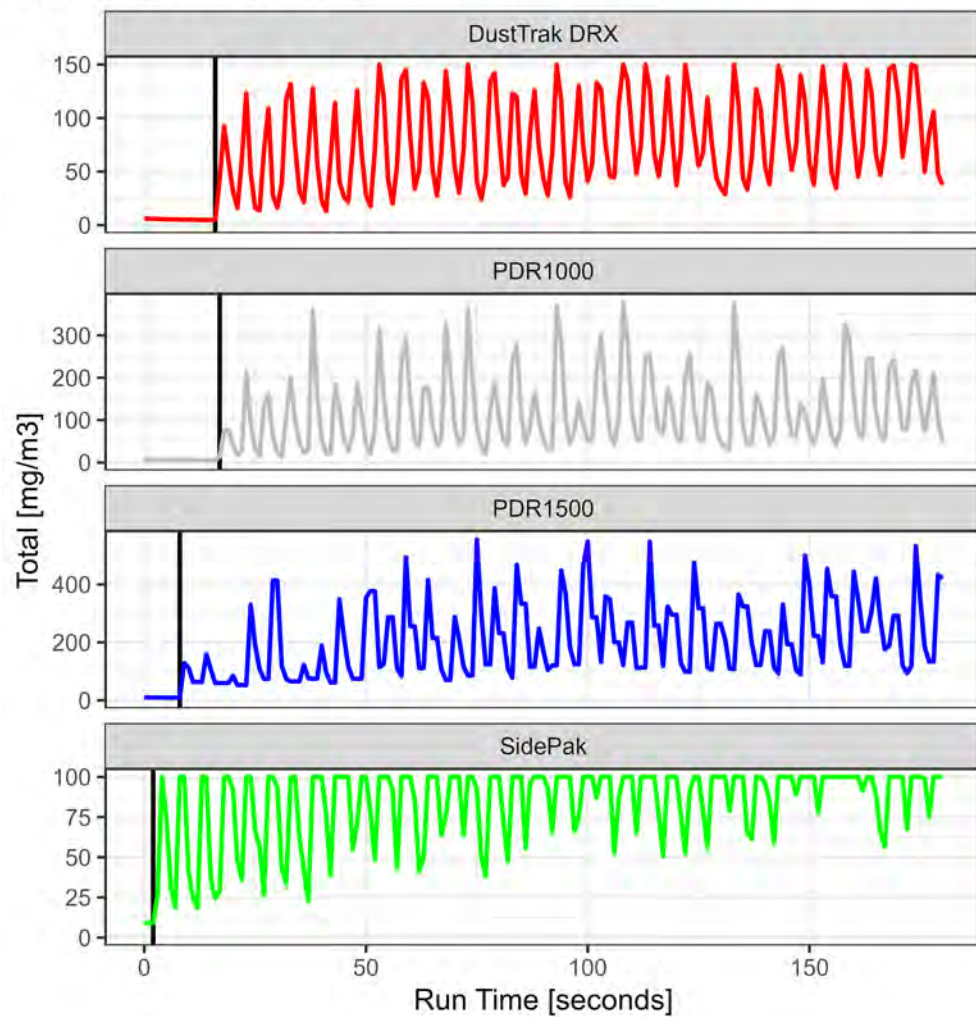
Address

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Raw Data

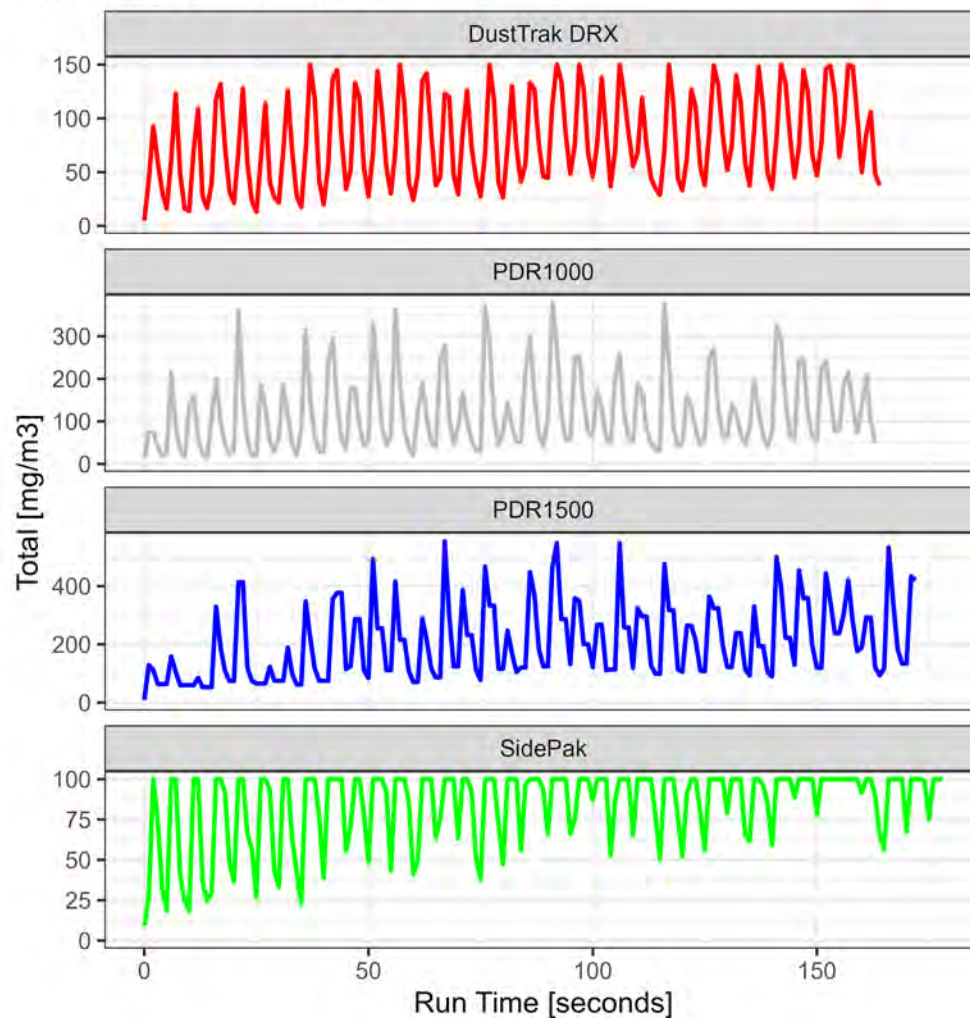
Run ID: D2-24 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-24 | Position: 1



Run ID: D2-24; Fog Machine: Power Tiny (media); Fluid: Tiny fluid; Fan: Fan 50%

Instrument Lag - Position 1
Run 24

Address

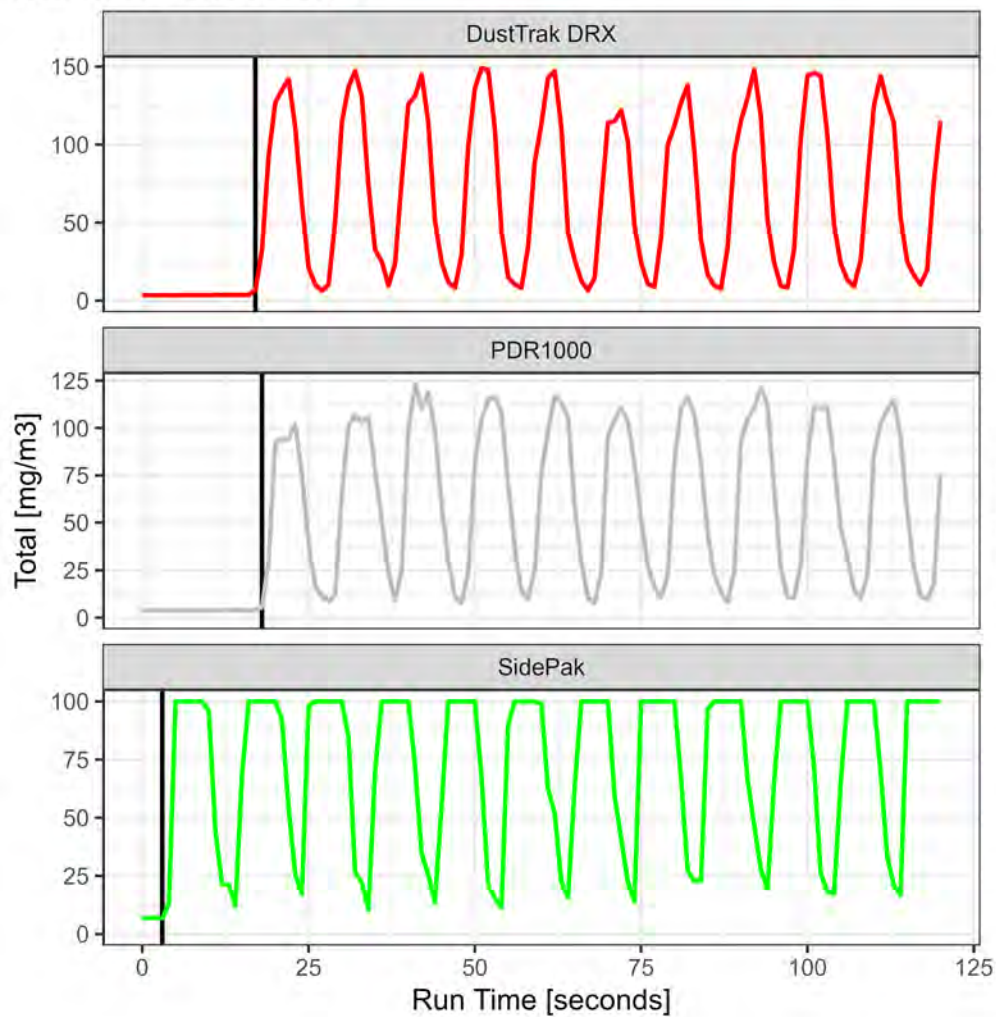
Figure 23

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Raw Data

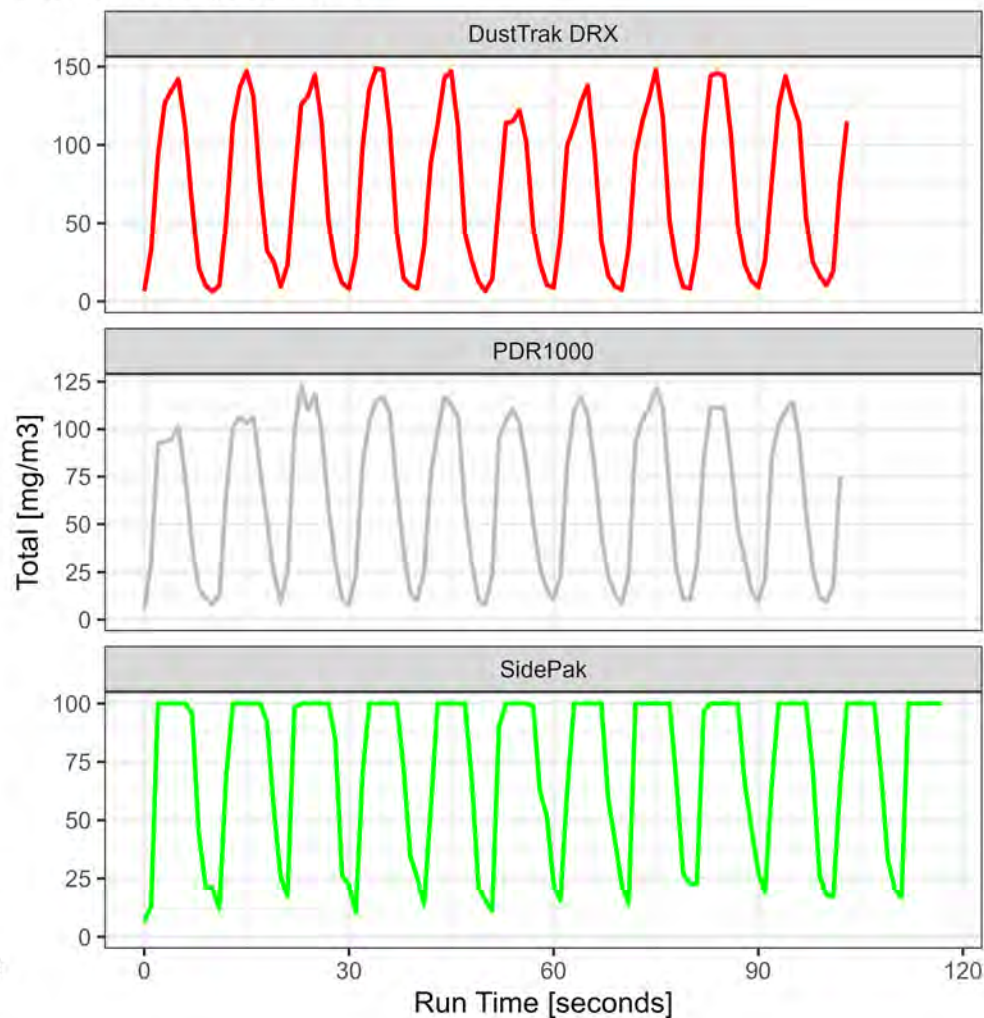
Run ID: D2-25 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-25 | Position: 1



Run ID: D2-25; Fog Machine: DF50; Fluid: RealFX Original DF50 fluid; Fan: Fan 25%

Instrument Lag - Position 1
Run 25

Figure 24

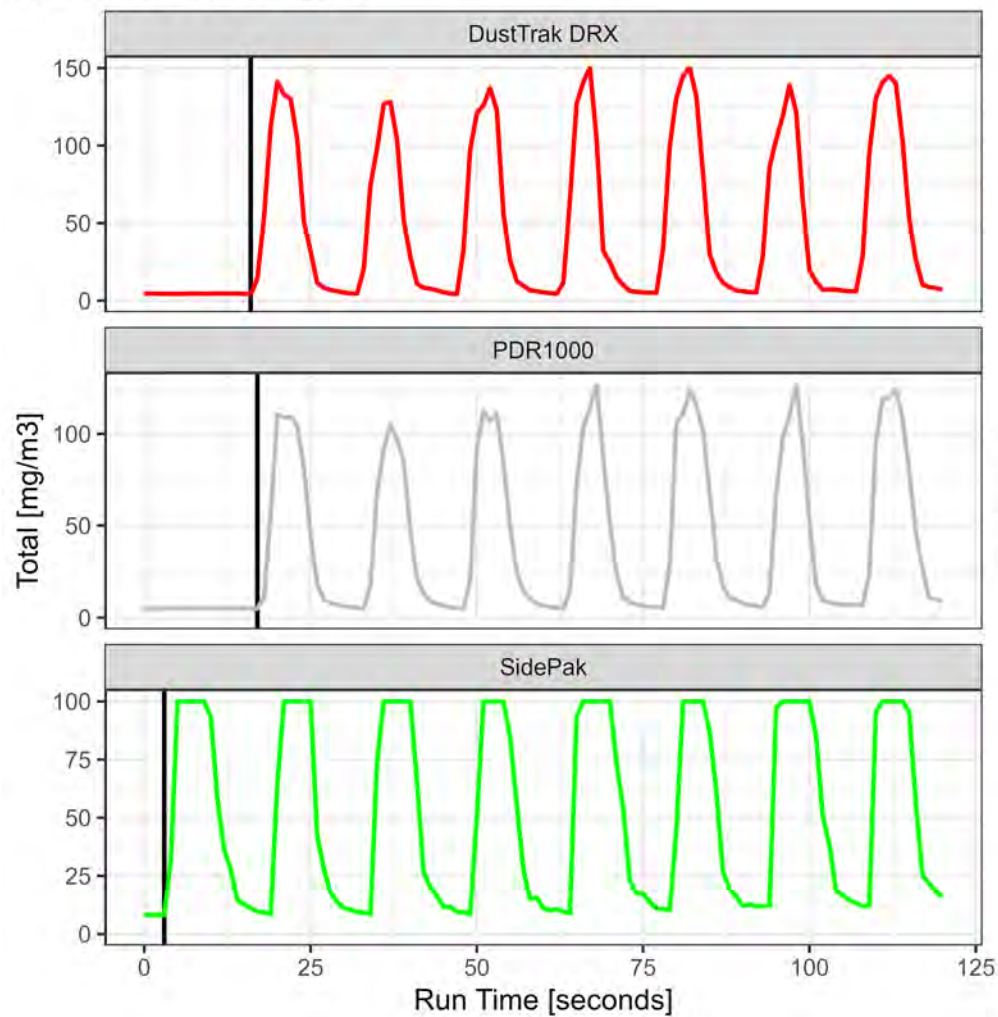
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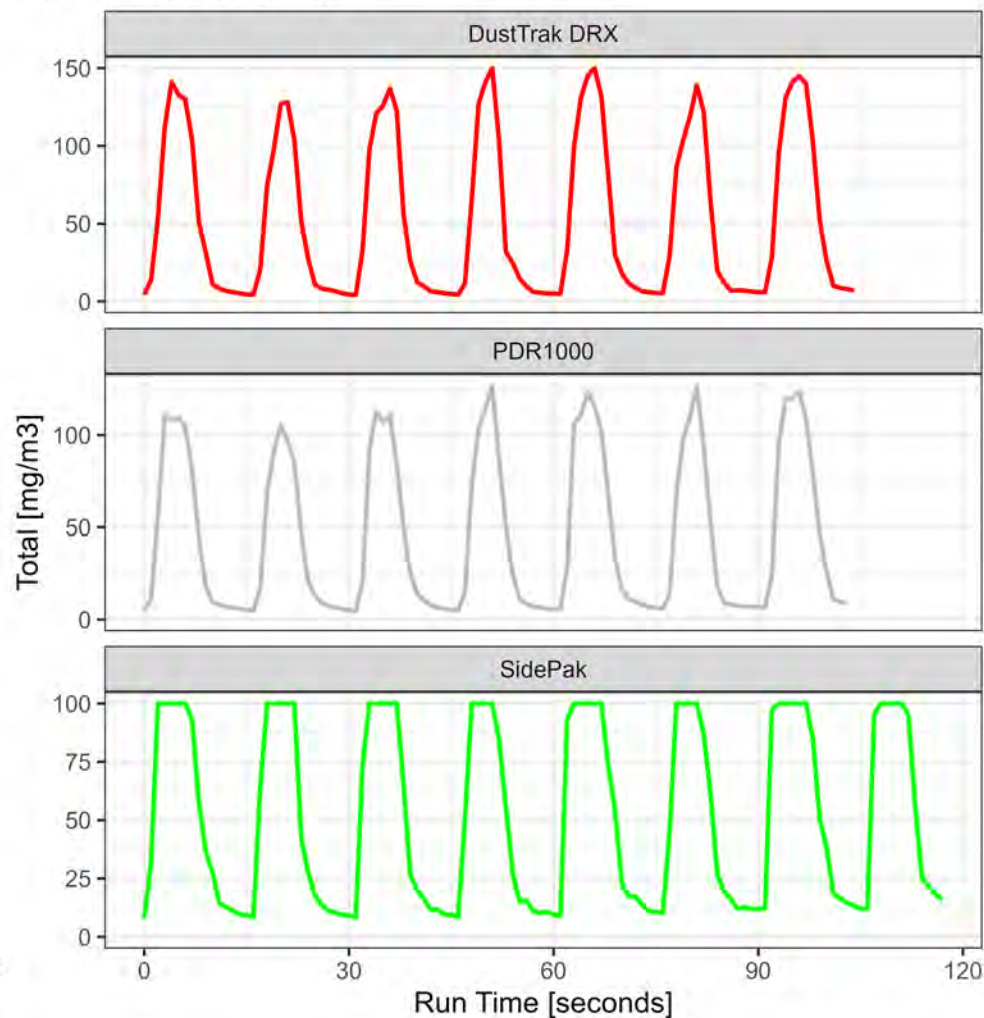
Run ID: D2-26 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-26 | Position: 1



Run ID: D2-26; Fog Machine: DF50; Fluid: DF50 fluid; Fan: Fan 25%

Instrument Lag - Position 1
Run 26

Figure 25

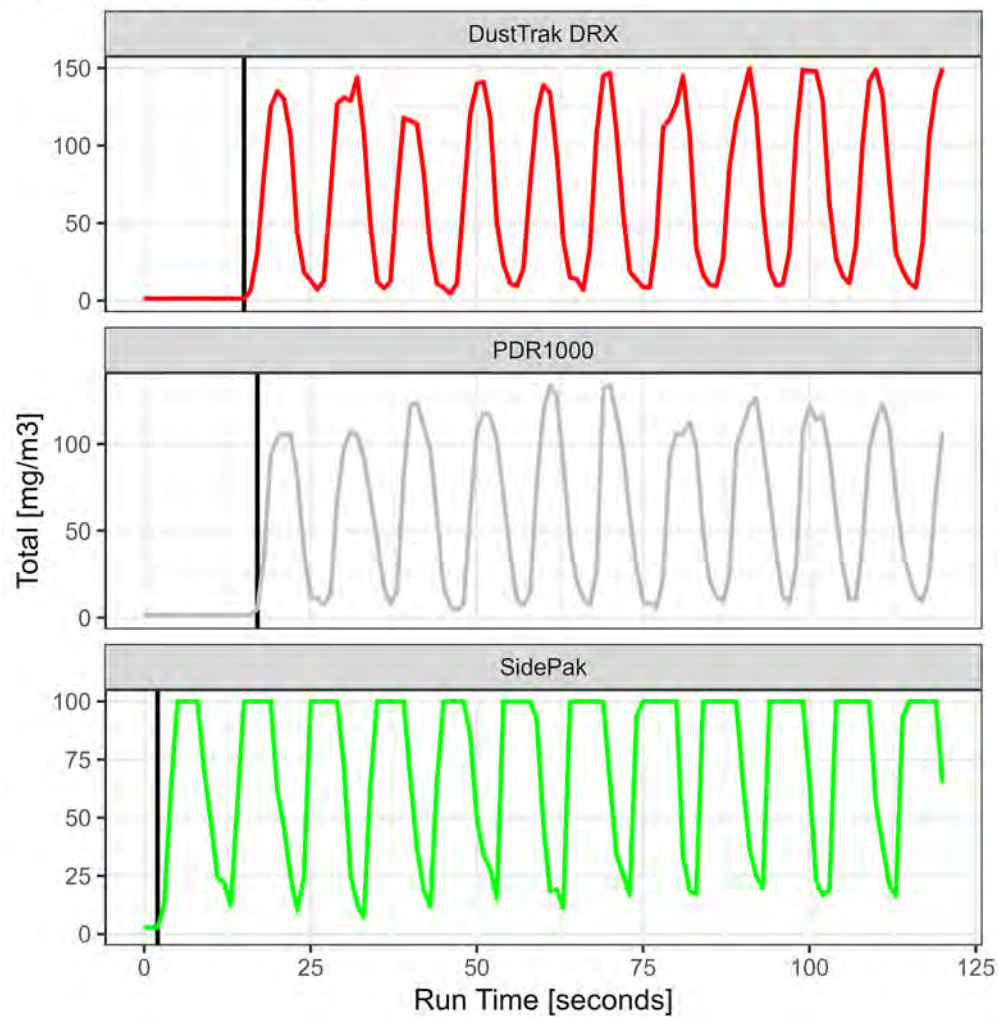
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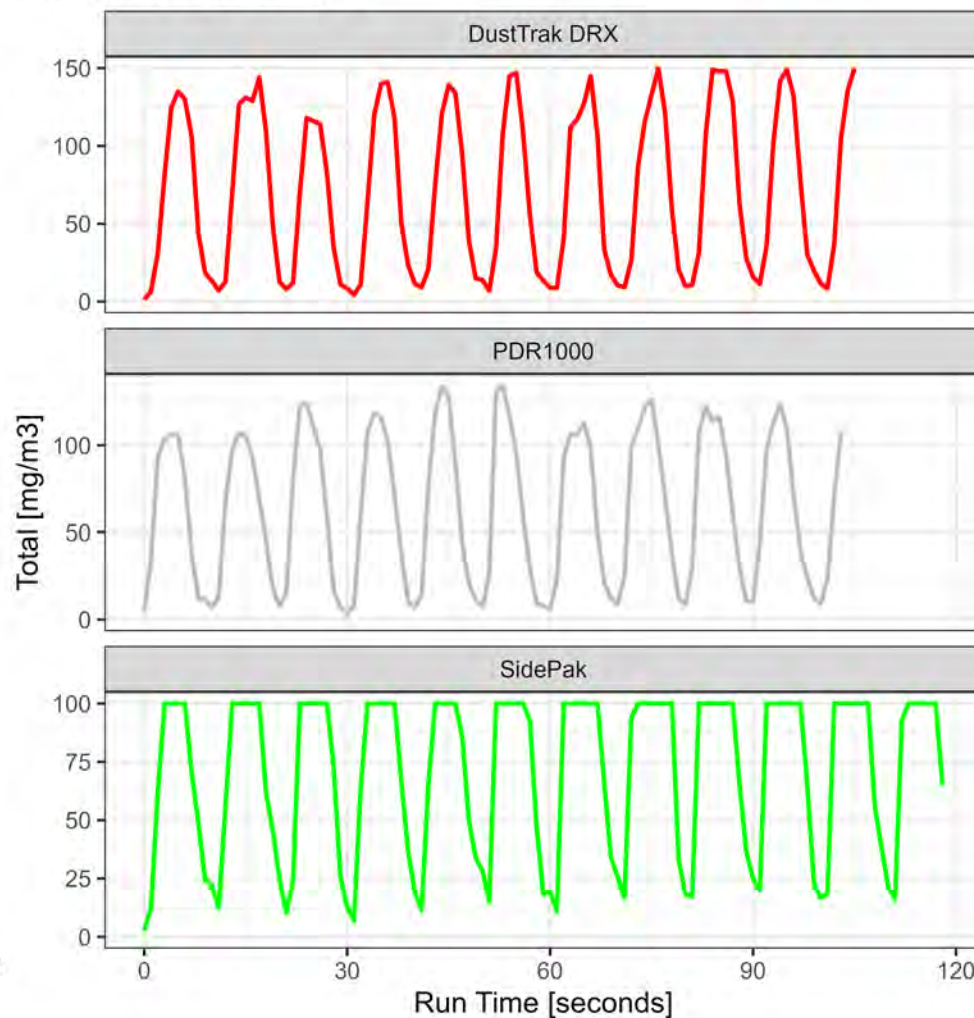
Run ID: D2-27 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-27 | Position: 1



Run ID: D2-27; Fog Machine: DF50 (media A); Fluid: DF50 fluid; Fan: Fan 25%

Instrument Lag - Position 1
Run 27

Address

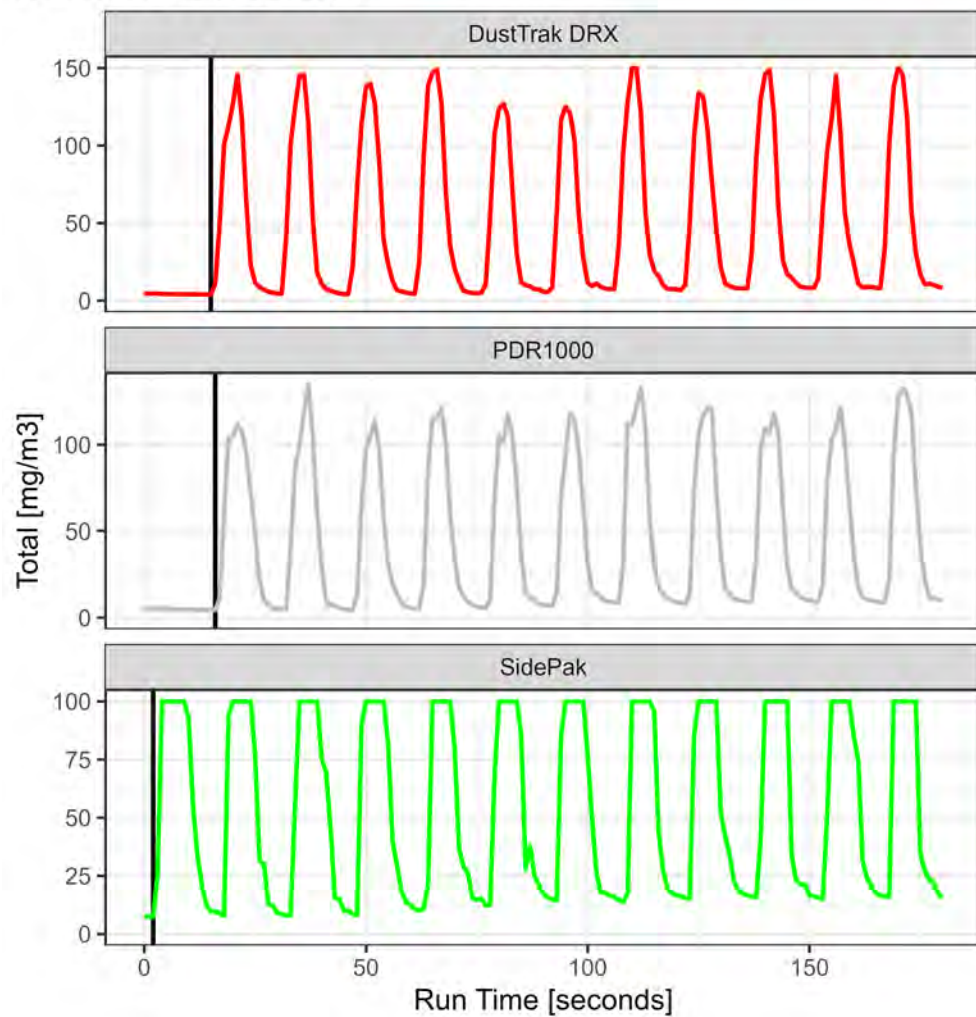
Figure 26

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Raw Data

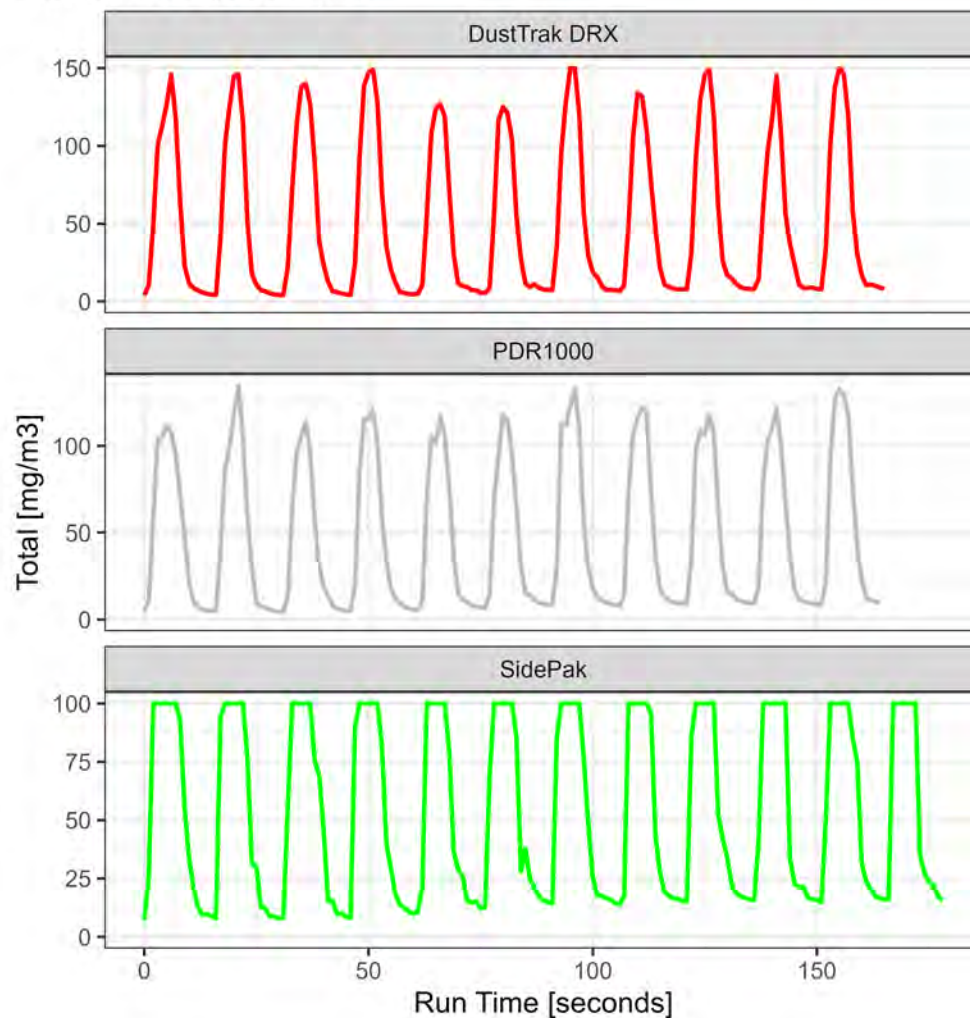
Run ID: D2-28 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-28 | Position: 1



Run ID: D2-28; Fog Machine: DF50 (media B); Fluid: DF50 fluid; Fan: Fan 25%

Instrument Lag - Position 1
Run 28

Figure 27

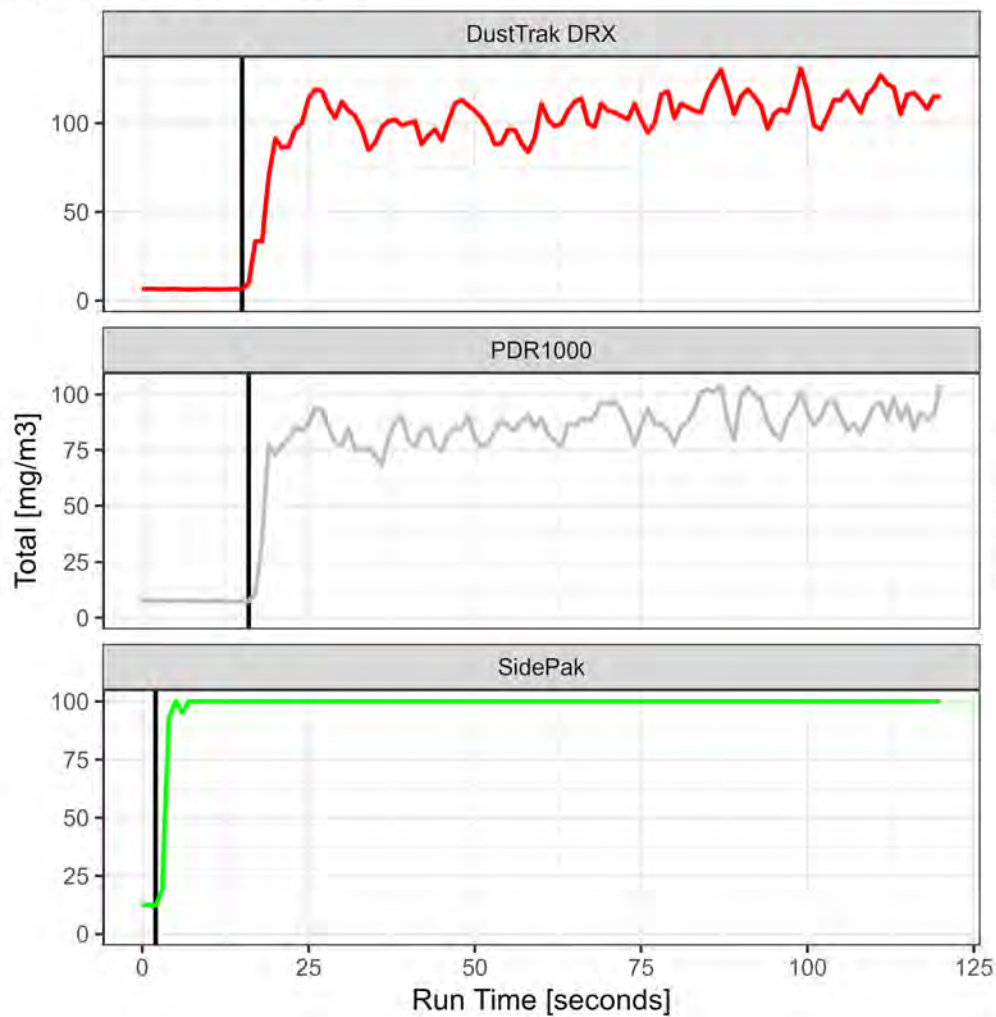
Address

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

Raw Data

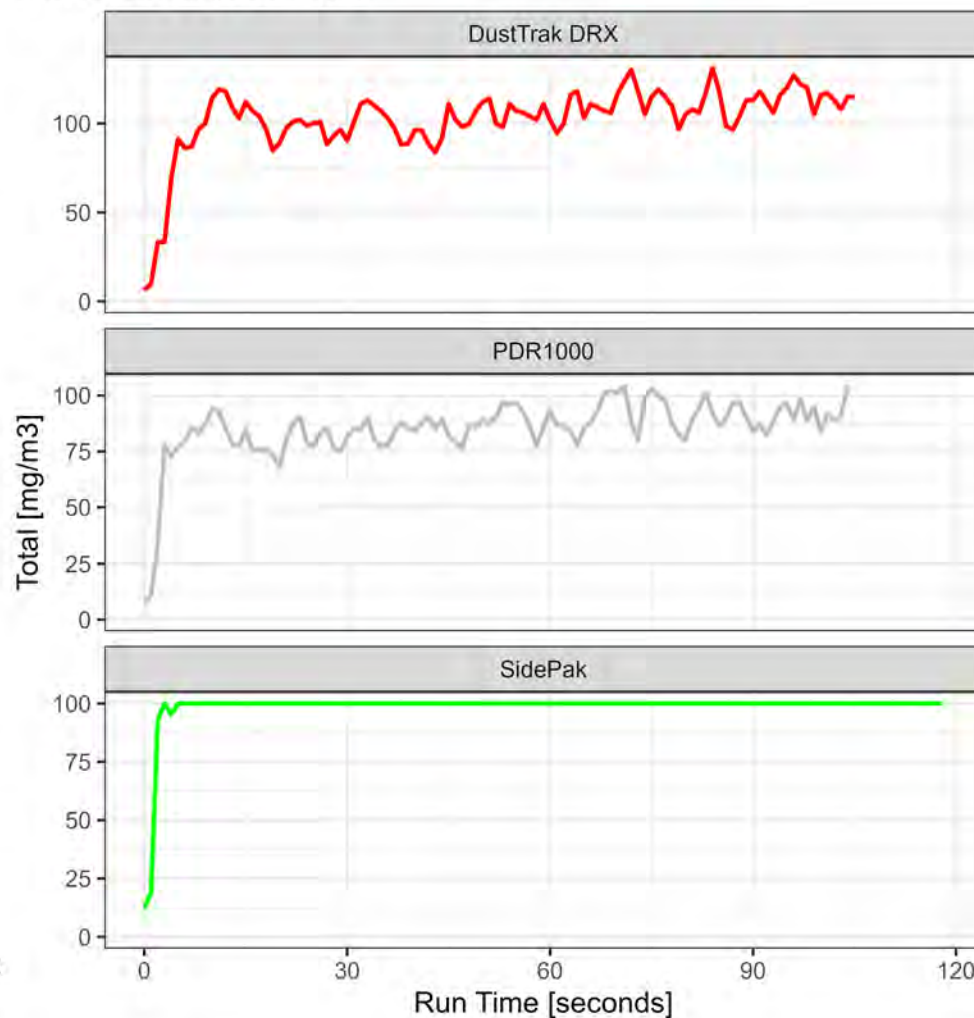
Run ID: D2-29 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-29 | Position: 1



Run ID: D2-29; Fog Machine: DF50 (media C); Fluid: DF50 fluid; Fan: Fan 50%

Instrument Lag - Position 1
Run 29

Figure 28

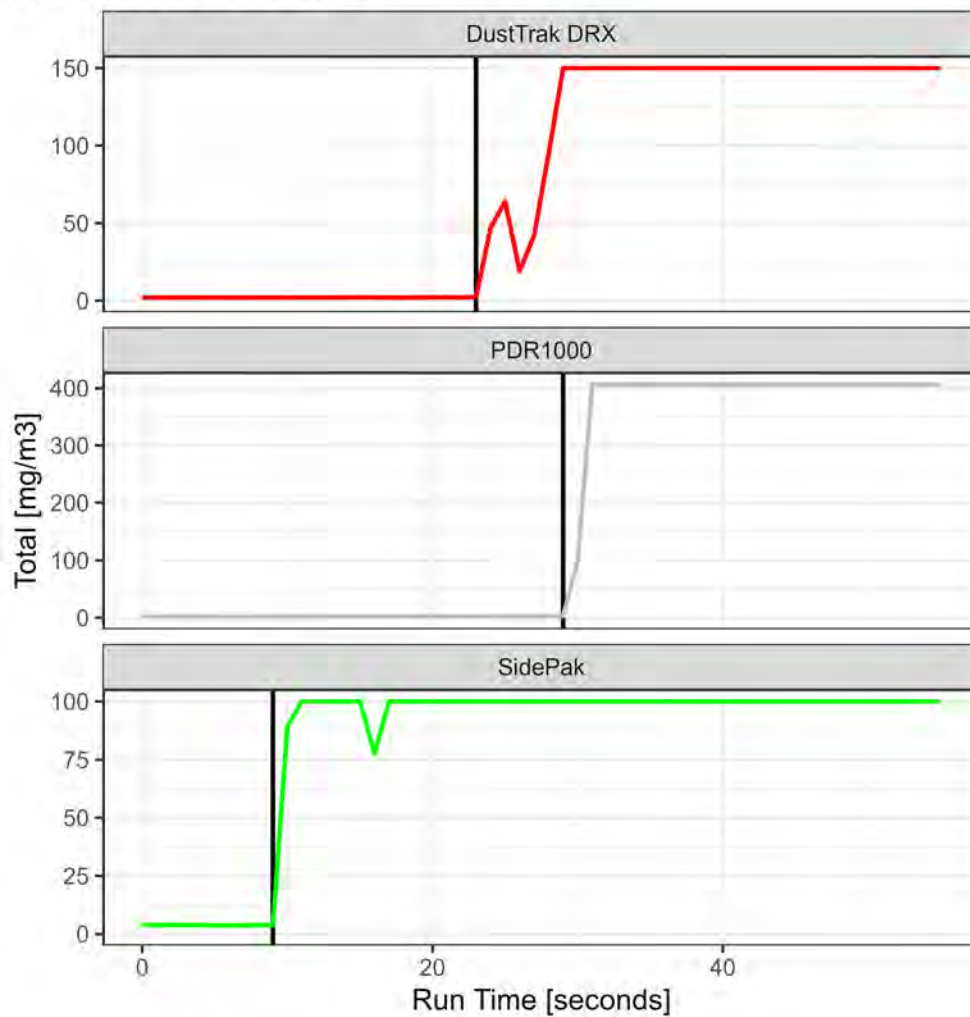
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

Address

RAMBOLL

Raw Data

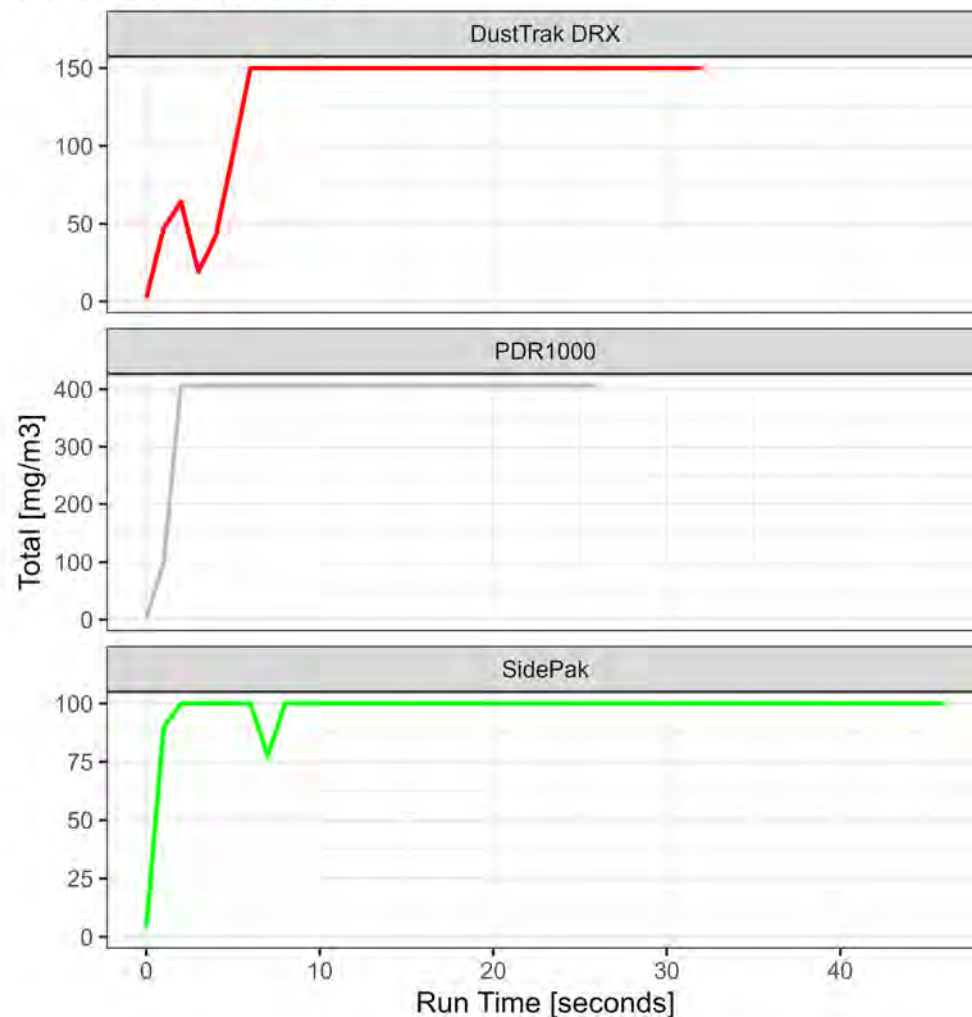
Run ID: D2-30 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-30 | Position: 1



Run ID: D2-30; Fog Machine: DNG 250 (low fogger); Fluid: FLL4 fog fluid; Fan: NA

Instrument Lag - Position 1
Run 30

Figure 29

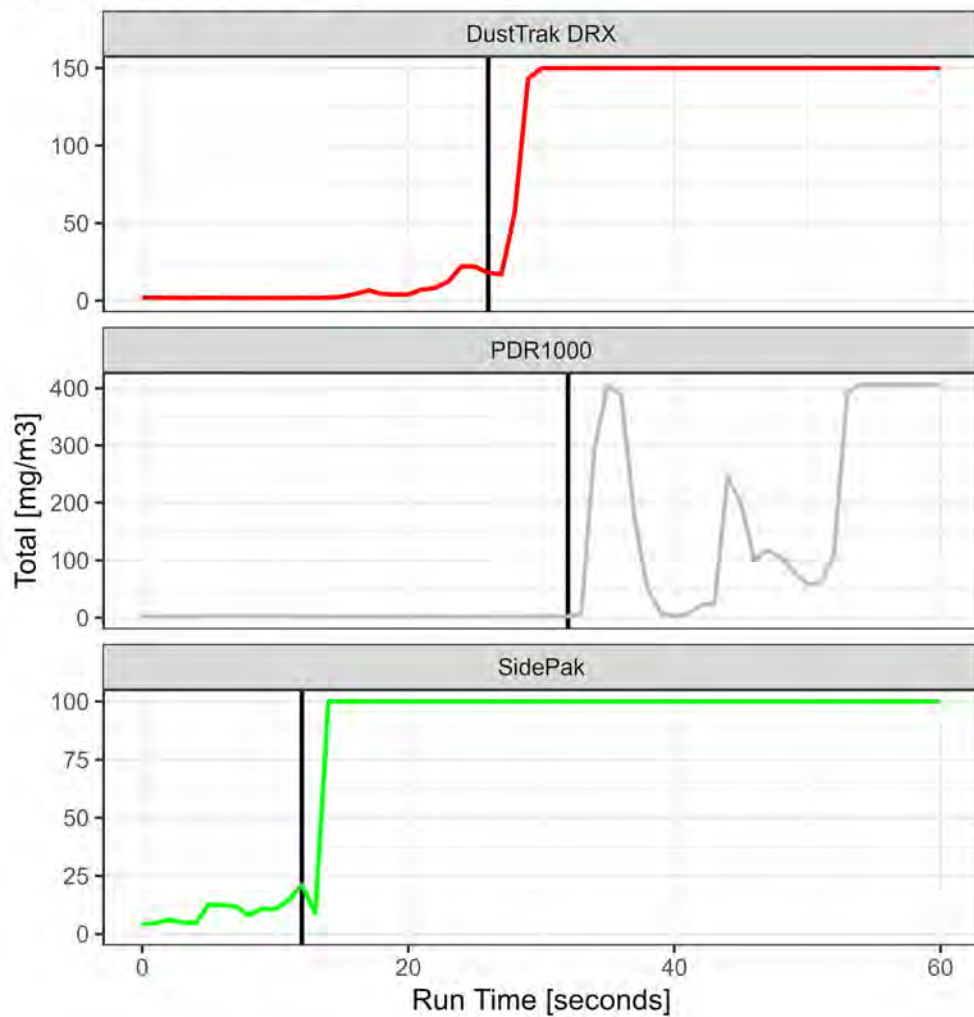
Address

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

Raw Data

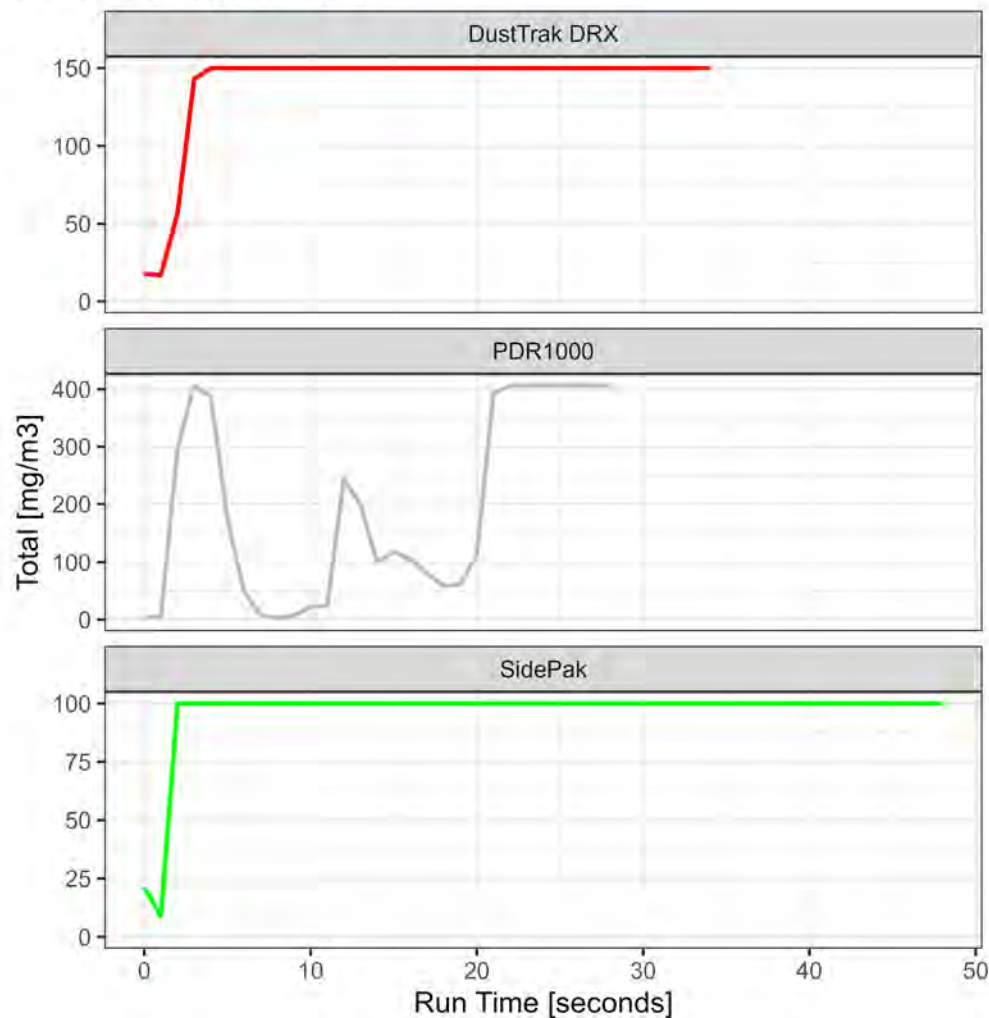
Run ID: D2-31 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-31 | Position: 1



Run ID: D2-31; Fog Machine: DNG 250 (low fogger); Fluid: FLL4; Fan: NA

Instrument Lag - Position 1
Run 31

Figure 30

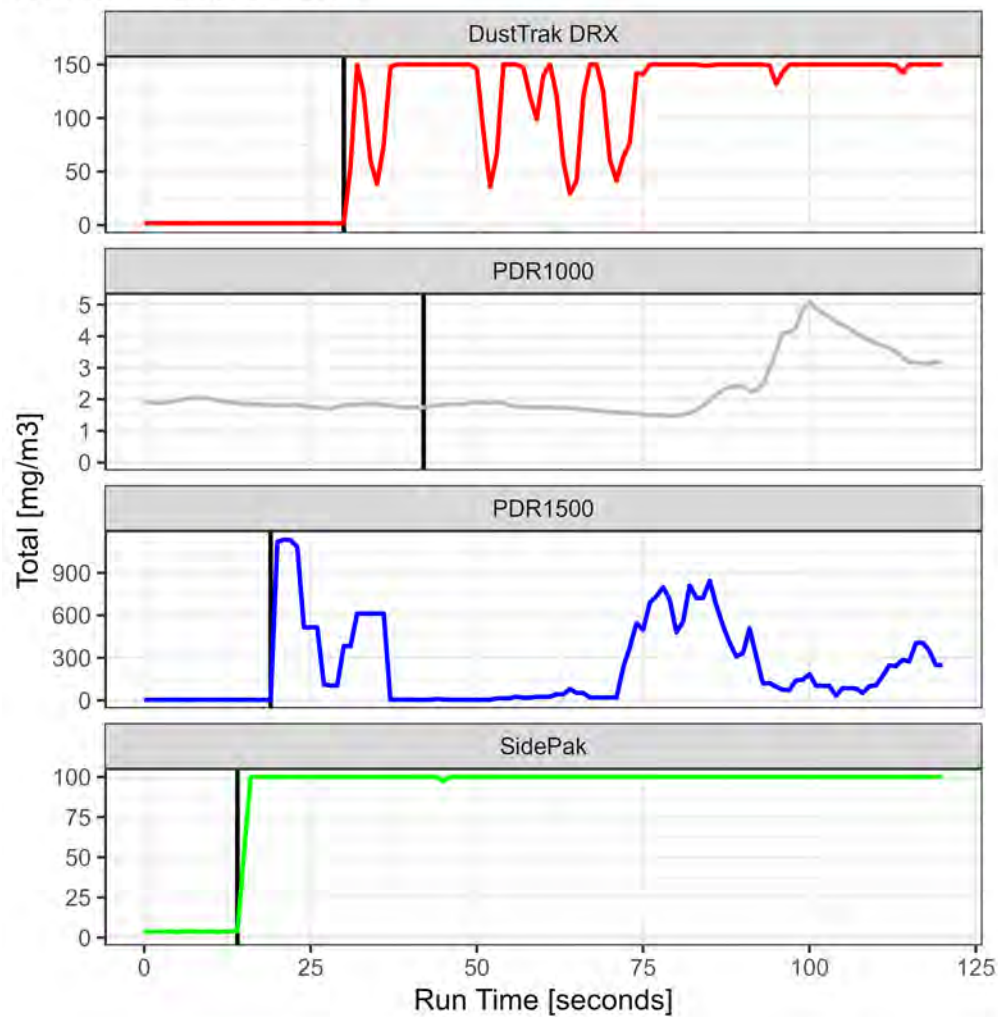
Address

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

Raw Data

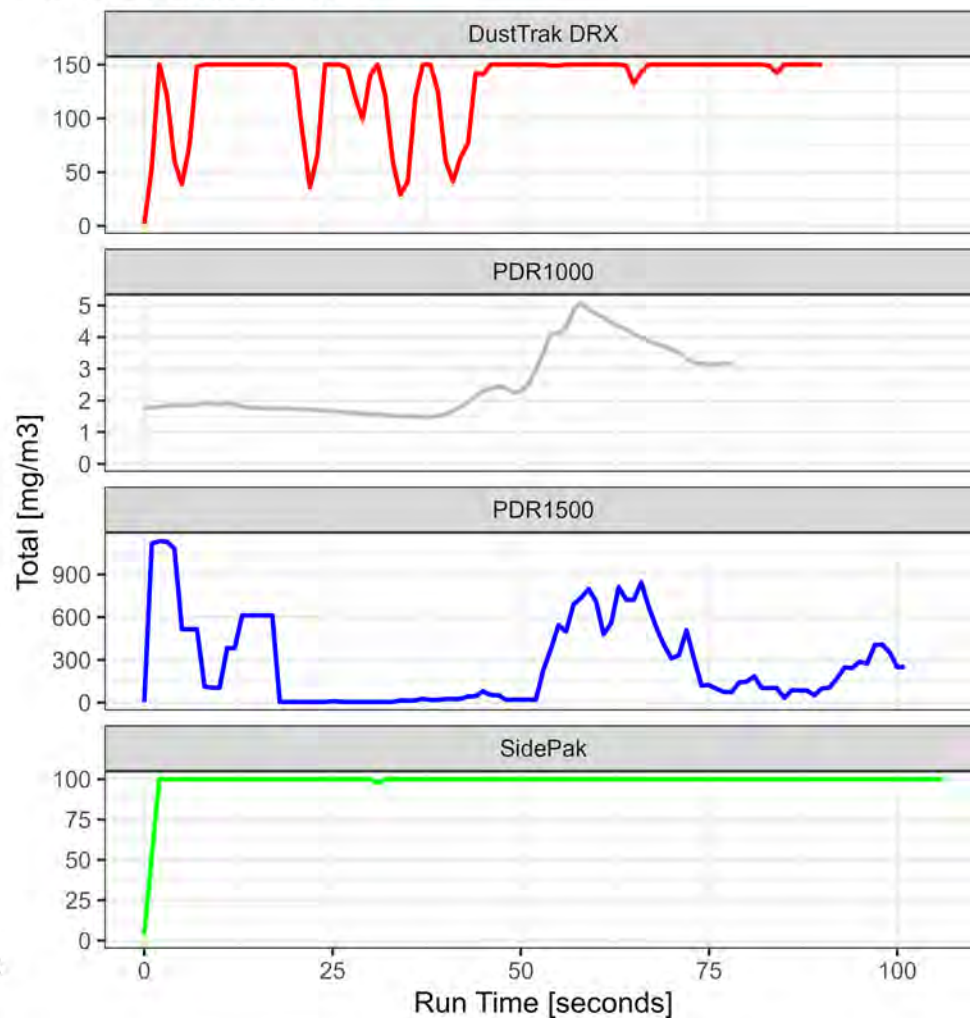
Run ID: D2-32 | Position: 1



| Lag Period

Aligned Data

Run ID: D2-32 | Position: 1



Run ID: D2-32; Fog Machine: DNG 250 (low fogger); Fluid: FLL4; Fan: NA

Instrument Lag - Position 1
Run 32

Figure 31

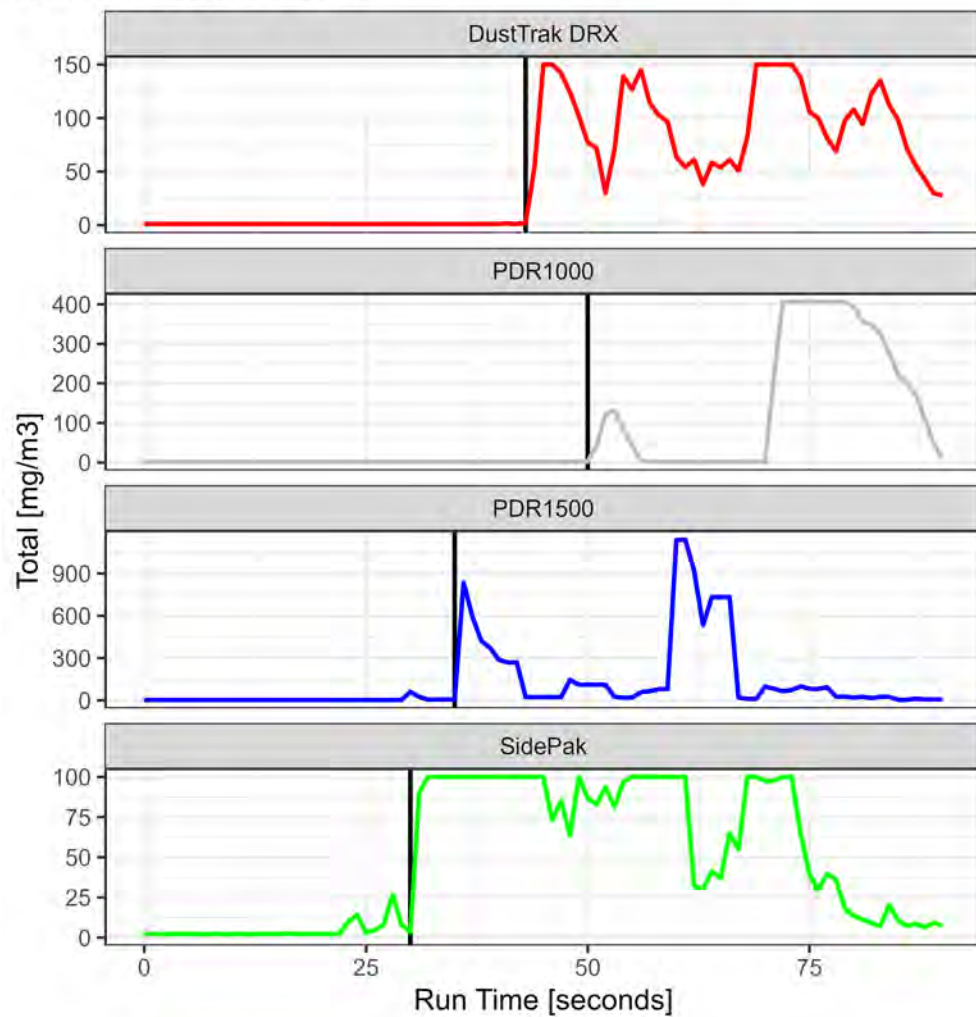
Address

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ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

Raw Data

Run ID: D2-33 | Position: 1

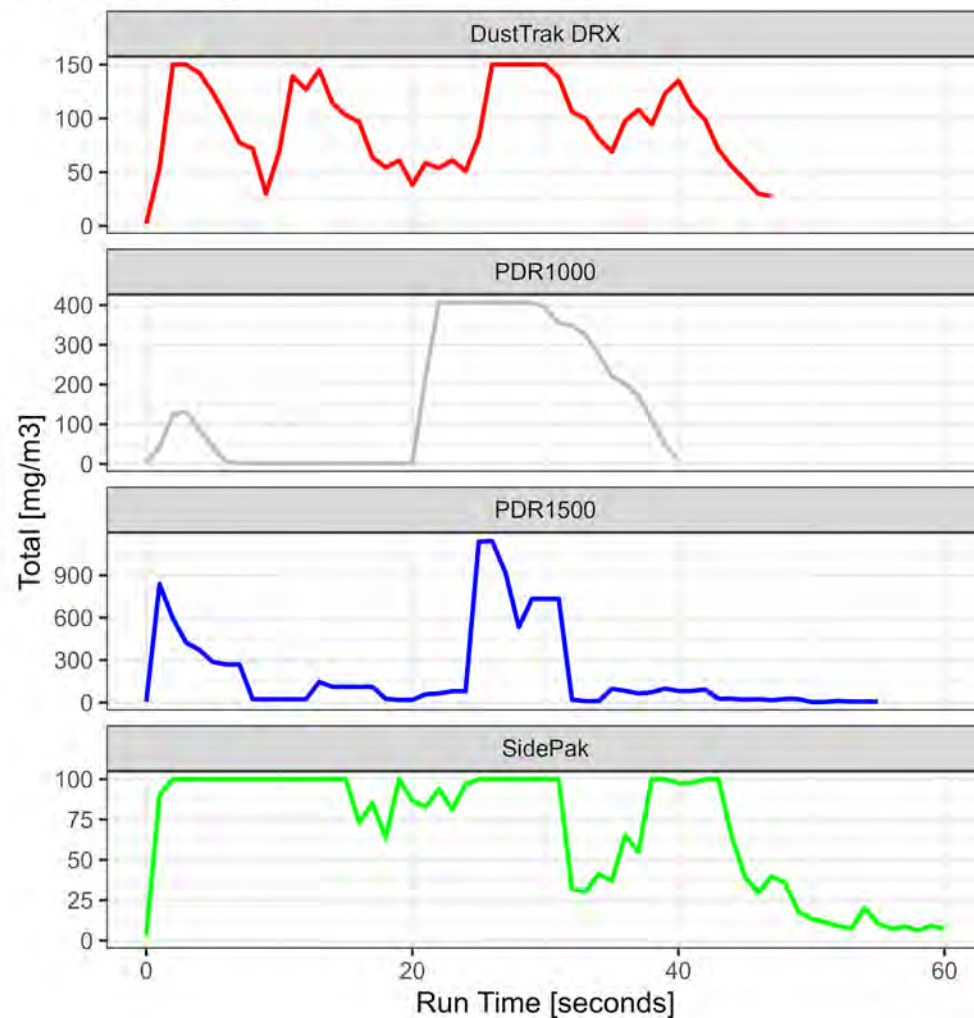


| Lag Period

Run ID: D2-33; Fog Machine: LSG (CO₂ low fog system); Fluid: Molecular fog fluid (Molecular Low); Fan: Fan 50%

Aligned Data

Run ID: D2-33 | Position: 1



Instrument Lag - Position 1
Run 33

Figure 32

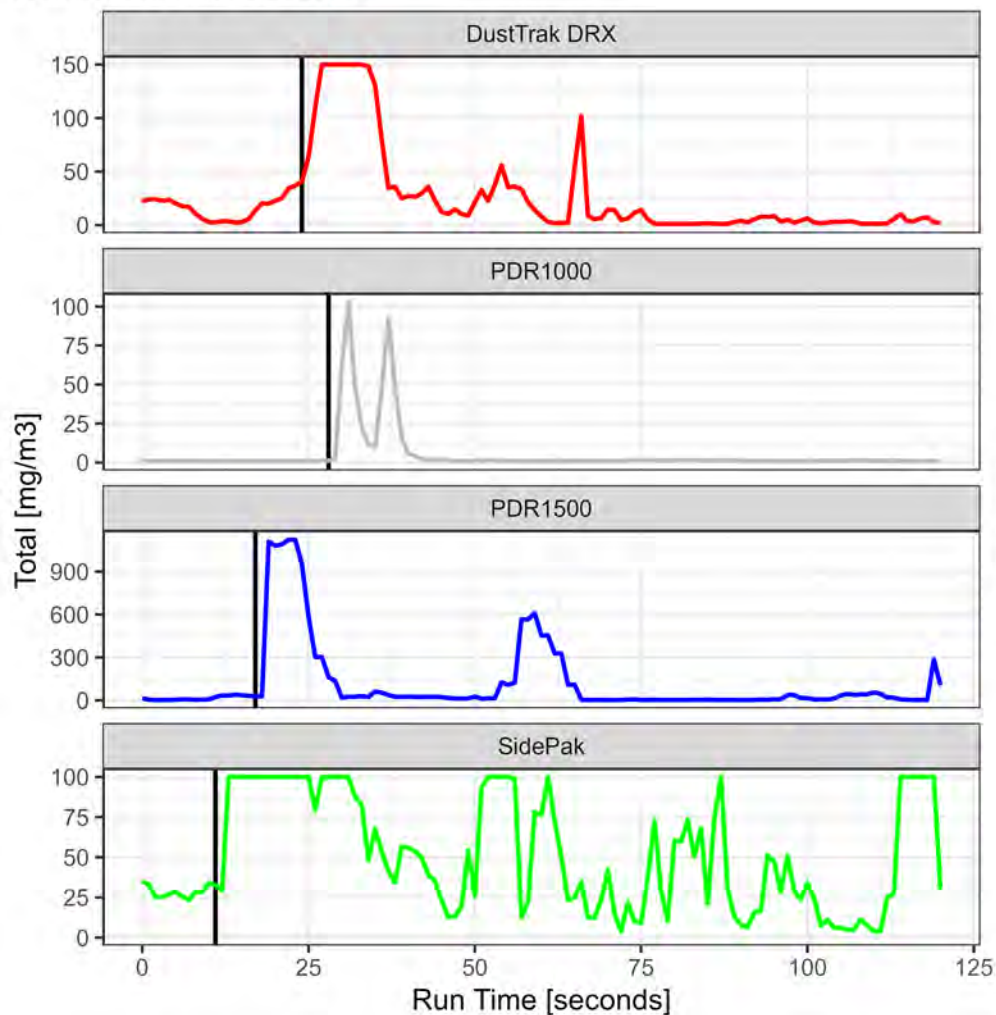
Address

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

Raw Data

Run ID: D2-34 | Position: 1

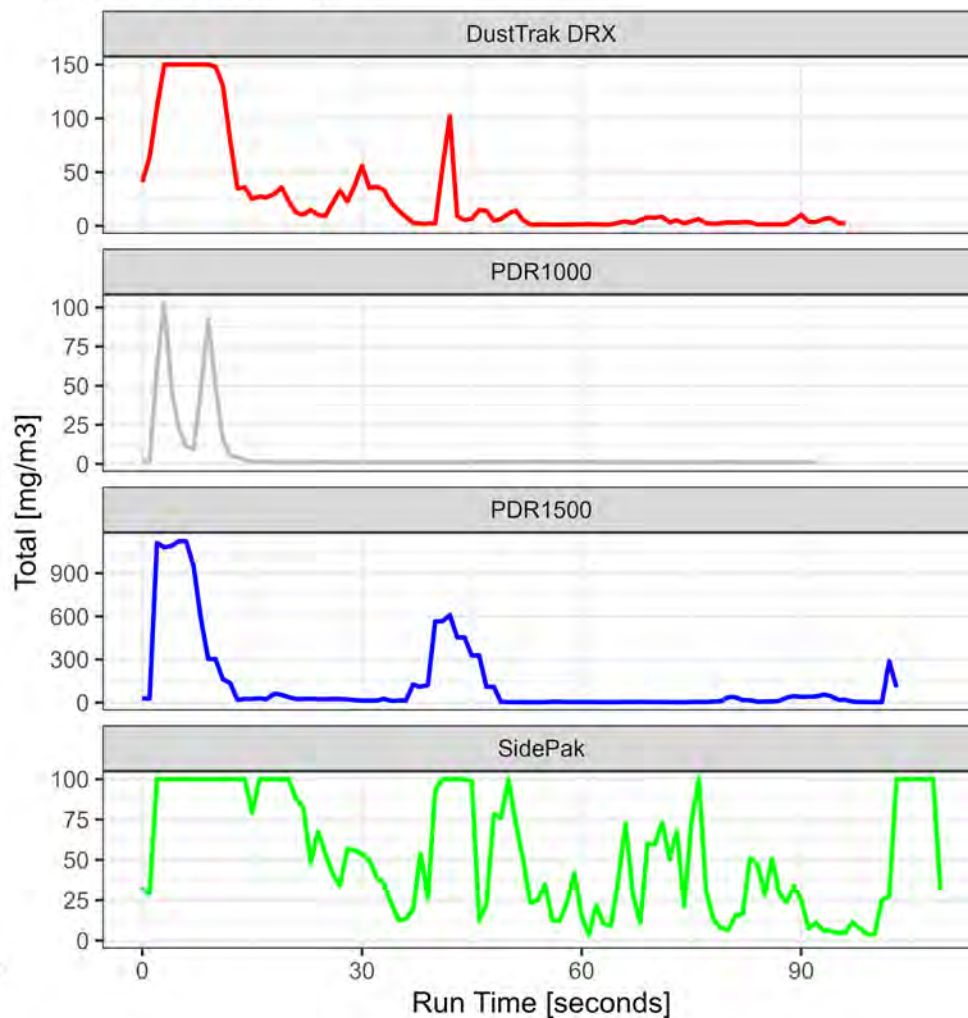


| Lag Period

Run ID: D2-34; Fog Machine: LSG (CO₂ low fog system); Fluid: Molecular fog fluid (Molecular Low); Fan: Fan 50%

Aligned Data

Run ID: D2-34 | Position: 1



Instrument Lag - Position 1
Run 34

Address

Figure 33

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

All Runs Combined

10 Second Averaging; Instrument Max Values Removed

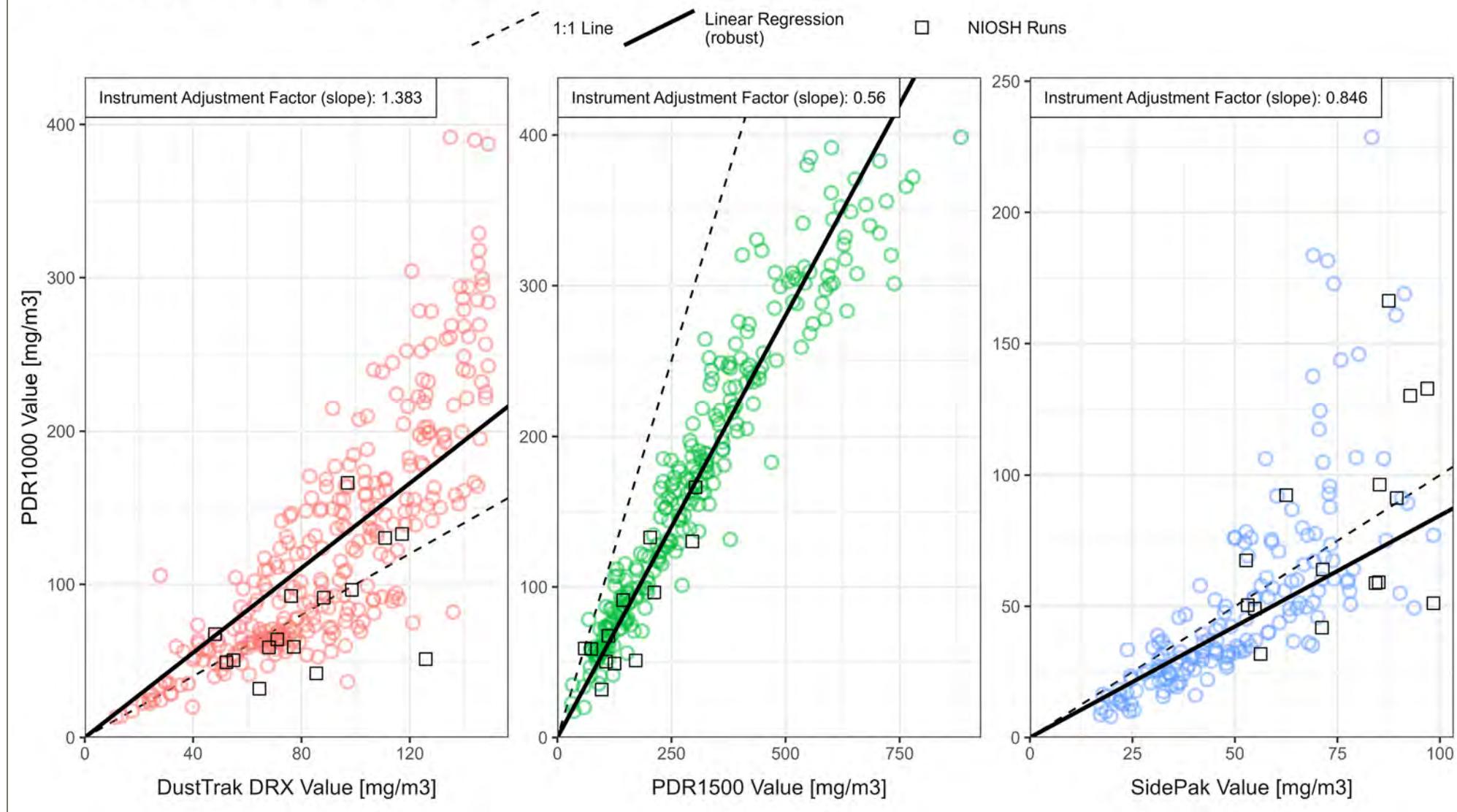
Instrument Result Comparison - Position 1
Combined Run Data

Figure 34

APPENDIX B

LABORATORY REPORTS



Keika Ventures

Your compliance connection.

March 16, 2026

Emily Mushlitz
Ramboll (Environ)
20 Custom House Road
Boston MA 02110

Dear Emily,

Enclosed are the results for the samples collected on March 4, 2026 and received at the lab on March 6, 2026.
The samples were analyzed in the following way:

Glycol profile - butylene, diethylene, propylene, triethylene and ethylene by NIOSH 5523
Custom oil mist by NIOSH 5026

This is your project: Actors Equity Comparison

Results are reported in total micrograms (μg).

There were no problems noted during sample receipt or analysis.

Please let us know if you have any questions.

Sincerely,

Johanna Ehlbeck
Associate Project Manager

ANALYTICAL REPORT

PREPARED FOR

Attn: Meggen DeLollis
Keika Ventures LLC
7474 Creedmoor Road
Suite 131
Raleigh, North Carolina 27613

Generated 3/13/2026 4:18:19 PM

JOB DESCRIPTION

Actors Equity Comparison

JOB NUMBER

775-18247-1

Eurofins Built Environment Testing Richmond

Job Notes

AIHA LAP, LLC Accreditation ID 100531

Any reported concentrations are calculated as a convenience to the customer, and their overall accuracy depends on the accuracy of both sampling information provided to Eurofins Analytics (area swabbed for surface samples, air volumes/times for air samples, etc) and analyte amounts found by laboratory analysis. If diffusive air samplers were tested, air volumes are calculated from the customers' reported sampling times and manufacturer's published sampling rates.

A result reported with a '<' value included represents the Reporting Limit for this "non-detect" measurement.

Unless otherwise noted, results are not corrected for blank values.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Built Environment Testing - Richmond Project Manager.

Authorization



Authorized for release by
Amy Larson, Senior Project Manager
amy.larson@et.eurofinsus.com
(800)888-8061

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3/13/2026 4:18:19 PM



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Definitions/Glossary

Client: Keika Ventures LLC
Project/Site: Actors Equity Comparison

Job ID: 775-18247-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Keika Ventures LLC
Project: Actors Equity Comparison

Job ID: 775-18247-1

Job ID: 775-18247-1

Eurofins Built Environment Testing Richmond

Job Narrative 775-18247-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 3/6/2026 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

IH - GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Industrial Hygiene

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Keika Ventures LLC
Project/Site: Actors Equity Comparison

Job ID: 775-18247-1

Client Sample ID: P1R1

Lab Sample ID: 775-18247-1

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		212	ND	212		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		85.3	ND	85.3		15.0			03/13/26 15:05

Client Sample ID: P2R1

Lab Sample ID: 775-18247-2

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		197	ND	197		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		82.9	ND	82.9		15.0			03/13/26 15:05

Client Sample ID: P1R2

Lab Sample ID: 775-18247-3

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		209	ND	209		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		95.2	ND	95.2		15.0			03/13/26 15:05

Client Sample Results

Client: Keika Ventures LLC
Project/Site: Actors Equity Comparison

Job ID: 775-18247-1

Client Sample ID: P2R2

Lab Sample ID: 775-18247-4

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		228	ND	228		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		106	ND	106		15.0			03/13/26 15:05

Client Sample ID: P2R3

Lab Sample ID: 775-18247-5

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		305	ND	305		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		156	ND	156		15.0			03/13/26 15:05

Client Sample ID: P1R4

Lab Sample ID: 775-18247-6

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		13.3	ND	13.3		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		233	ND	233		15.0			03/13/26 15:05

Client Sample Results

Client: Keika Ventures LLC
Project/Site: Actors Equity Comparison

Job ID: 775-18247-1

Client Sample ID: P2R4

Lab Sample ID: 775-18247-7

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		10.7	ND	10.7		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		177	ND	177		15.0			03/13/26 15:05

Client Sample ID: P1R5

Lab Sample ID: 775-18247-8

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		24.0	ND	24.0		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		186	ND	186		15.0			03/13/26 15:05

Client Sample ID: P2R5

Lab Sample ID: 775-18247-9

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		24.4	ND	24.4		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		171	ND	171		15.0			03/13/26 15:05

Client Sample Results

Client: Keika Ventures LLC
Project/Site: Actors Equity Comparison

Job ID: 775-18247-1

Client Sample ID: P2R6

Lab Sample ID: 775-18247-10

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		15.5	ND	15.5		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		218	ND	218		15.0			03/13/26 15:05

Client Sample ID: GLY Trip Blank

Lab Sample ID: 775-18247-11FB

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - GFF/XAD-7 OVS 226-57, T-57

Method: NIOSH 5523 M - NIOSH 5523 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Propylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
1,3-Butanediol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Diethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Ethylene glycol	NIOSH 5523 M		<5.00	ND	<5.00		5.00			03/13/26 15:05
Triethylene Glycol	NIOSH 5523 M		<15.0	ND	<15.0		15.0			03/13/26 15:05

Client Sample ID: P1RA

Lab Sample ID: 775-18247-12

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - Cassette PVC 37mm 5um 3PC, C-10

Method: NIOSH 5026 M - NIOSH 5026 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Oil Mist,Custom	NIOSH 5026 M				158		50.0			03/11/26 16:24

Client Sample Results

Client: Keika Ventures LLC
Project/Site: Actors Equity Comparison

Job ID: 775-18247-1

Client Sample ID: P2RA

Lab Sample ID: 775-18247-13

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - Cassette PVC 37mm 5um 3PC, C-10

Method: NIOSH 5026 M - NIOSH 5026 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Oil Mist,Custom	NIOSH 5026 M				155		50.0			03/11/26 16:24

Client Sample ID: P1RB

Lab Sample ID: 775-18247-14

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - Cassette PVC 37mm 5um 3PC, C-10

Method: NIOSH 5026 M - NIOSH 5026 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Oil Mist,Custom	NIOSH 5026 M				191		50.0			03/11/26 16:24

Client Sample ID: P2RB

Lab Sample ID: 775-18247-15

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - Cassette PVC 37mm 5um 3PC, C-10

Method: NIOSH 5026 M - NIOSH 5026 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Oil Mist,Custom	NIOSH 5026 M				182		50.0			03/11/26 16:24

Client Sample ID: P2RC

Lab Sample ID: 775-18247-16

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - Cassette PVC 37mm 5um 3PC, C-10

Method: NIOSH 5026 M - NIOSH 5026 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Oil Mist,Custom	NIOSH 5026 M				236		50.0			03/11/26 16:24

Client Sample Results

Client: Keika Ventures LLC
Project/Site: Actors Equity Comparison

Job ID: 775-18247-1

Client Sample ID: MO Trip Blank

Lab Sample ID: 775-18247-17FB

Date Collected: 03/04/26 00:00

Matrix: Air

Date Received: 03/06/26 09:30

Sample Container: IH - Cassette PVC 37mm 5um 3PC, C-10

Method: NIOSH 5026 M - NIOSH 5026 (Modified)

Analyte	Analyte Method	Volume (L)	Front ug/Sample	Rear ug/Sample	Result ug/Sample	Qualifier	RL ug/Sample	Result	Result	Analyzed
Oil Mist, Custom	NIOSH 5026 M				<50.0		50.0			03/11/26 16:24

KeikaVentures, LLC
SAMPLE CHAIN-OF-CUSTODY RECORD
 Phone: (919) 933-9569 | FAX: (919) 928-5173
 analysis@keikaventures.com



775-266451

Company:	Ramboll	Project Name:	Actors Equity Comparison	Date:	3/4/2026
Project Contact:	Emily Mushlitz	Country:	USA	Turnaround:	Normal
P. O. Number:	1940118613-001	Job Number:		Page:	1 of 1

Sample Identification Number	Date	Time	Matrix	Preservative & No. Bottles			Analyses Requested								Notes
				# Bottles	Preservative		Glycols by 5523	NIOSH 5026 Oil Mist only	Mineral Fluid Bulk Sample						
1 P1R1	3/4/2026	n/a	XAD7	1	n/a		x								
2 P2R1	3/4/2026	n/a	XAD7	1	n/a		x								
3 P1R2	3/4/2026	n/a	XAD7	1	n/a		x								
4 P2R2	3/4/2026	n/a	XAD7	1	n/a		x								
5 P2R3	3/4/2026	n/a	XAD7	1	n/a		x								
6 P1R4	3/4/2026	n/a	XAD7	1	n/a		x								
7 P2R4	3/4/2026	n/a	XAD7	1	n/a		x								
8 P1R5	3/4/2026	n/a	XAD7	1	n/a		x								
9 P2R5	3/4/2026	n/a	XAD7	1	n/a		x								
10 P2R6	3/4/2026	n/a	XAD7	1	n/a		x								
11 GLY Trp Blank	3/4/2026	n/a	XAD7	1	n/a		x								
12 P1RA	3/4/2026	n/a	Cassette	1	n/a			x							
13 P2RA	3/4/2026	n/a	Cassette	1	n/a			x							
14 P1RB	3/4/2026	n/a	Cassette	1	n/a			x							
15 P2RB	3/4/2026	n/a	Cassette	1	n/a			x							
16 P2RC	3/4/2026	n/a	Cassette	1	n/a			x							
17 MO Trp Blank	3/4/2026	n/a	Cassette	1	n/a			x							
18 DF-50 Haze Fluid	3/4/2026	n/a	Fluid	1	n/a				x						Bulk fluid only for mineral cassette analysis



775-18247 COC

Relinquished By	Date	Time	Received By	Date	Time	Temp. (°C)	Shipper & Air Waybill #
<i>[Signature]</i>	3/5/2026	09:00	CRYSTAL ROBERTS	3.6.26	930	-	Intact

88 2233 9980



Login Sample Receipt Checklist

Client: Keika Ventures LLC

Job Number: 775-18247-1

Login Number: 18247

List Number: 1

Creator: Roberts, Crystal

List Source: Eurofins Built Environment Testing Richmond

Question	Answer	Comment
The package custody seal are intact.	N/A	
The package or samples do not appear to have been compromised or tampered with.	True	
Package temperature is acceptable, if required.	True	
COC is present.	True	
COC pages signed/dated and Condition Noted.	True	
COC is filled out in ink and legible	True	
There are no discrepancies between the containers received and the COC.	True	
Sample ID's on the devices match the COC.	True	
Devices are not broken or leaking.	True	
Sample custody seals, if present, are intact.	True	
All issues noted during receipt were communicated to Client and/or PM.	True	
Turnaround time from COC correctly noted in the login, if applicable.	True	