Pelton, Jason M (DEC)

From: Bill Lais <wlais@hsweng.com>
Sent: Wednesday, July 01, 2020 5:31 PM
To: Pelton, Jason M (DEC); Hesler, Donald (DEC); Sullivan, James (HEALTH); Richard Lenz; mrusso@OYSTERBAY-NY.gov
Cc: edward.hannon@ngc.com; Fred Weber; Joel Balmat; Jose Sananes; Carol Henry Emery; Doug Smolensky; Dianne.Baumert-Moyik@ngc.com
Subject: Park Soil ISTR Construction Weekly Progress Summary, Week of 2020 06 15
Attachments: ISTR Phase 2 Photo Log Week of 2020 06 15.pdf; ISTR Phase 2 CAMP Station Data Week of 2020 06 15.pdf

Weekly Progress Summary for ISTR Construction
Northrop Grumman Systems, Corp.
Operable Unit 3, Bethpage, NY
Reporting Period: June 15-20, 2020

Work completed:

- Continued grading imported gravel in wellfield area.
- Installed HDPE geomembrane liner in wellfield, and completed pressure testing of heat-welded seams.
- Began assembling wellfield process piping support stands.
- Began installing main header process piping along north side of wellfield 2.
- Continued welding of thermocouples and heating elements.
- Began installing electrical infrastructure in wellfield.
- Prepared gravel equipment pad at McKay Field for process equipment.

Materials imported:

- 1 delivery of fiberglass-reinforced plastic pipe

CAMP station monitoring summary:

- Two portable stations deployed each day, one upwind and one downwind of the work area to monitor TVOC and particulates. Station locations determined at beginning of each day based on prevailing wind direction.
- Particulate and TVOC data plots for upwind and downwind CAMP stations attached.
- No exceedances of CAMP action levels for particulates or TVOC vapors observed.
- Elevated particulate readings on 6/15, 6/16, 6/18, and 6/19 resulted from on-site management (i.e., loading, unloading, and grading) of imported crushed stone. Particulate concentrations dropped to 0.1 mg/m^3 above background within minutes after stone was offloaded. DER-10 does not require control measures for dust from placement of clean fill.

Analytical results:

No samples collected for lab analysis.

Wastes generated/disposed:

- Decontamination fluids containerized onsite in 55-gallon drum.
- General construction debris placed onsite in 30-yard roll off.
- No offsite disposal.

Community/Town engagement:

- Project fact sheet can be downloaded from the NG website.
- No contacts with public this week.
- Matt Russo, Town of Oyster Bay, visited the site June 16, 2020 to observe construction activities.

Work Plan or design modifications:

None.

Schedule:

- Process equipment delivery rescheduled for week of 6/22.
- Work planned for week of June 22-27, 2020:
  - Continue grading importing gravel
  - Install HDPE liner
  - Assemble wellfield support stands and process piping.

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PHOTOGRAPH LOG – Week of June 15, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 1

Description: Heat-welding equipment for HDPE liner seams.

Location:
Wellfield

Photograph: 2

Description: Tack welding HDPE liner patch around wellhead.

Location:
Wellfield

PHOTOGRAPH LOG – Week of June 15, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 3

Description: Smoothing of HDPE liner edges around wellheads.

Location:
Wellfield

Photograph: 4

Description: Heat-welding bead onto HDPE liner around wellhead.

Location:
Wellfield

PHOTOGRAPH LOG – Week of June 15, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 5

Description: Applying soapy water to HDPE liner patch seams ahead of leak test.

Location:
Driveway

Photograph: 6

Description: Leak testing using vacuum of HDPR liner patch seams around wellhead.

Location:
Wellfield

PHOTOGRAPH LOG – Week of June 15, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 7

Description: HDPE liner patch surrounding light fixture.

Location:
Wellfield

Photograph: 8

Description: Installation of pipe stands and process piping through fence to manhole on McKay Field Road.

Location:
Wellfield

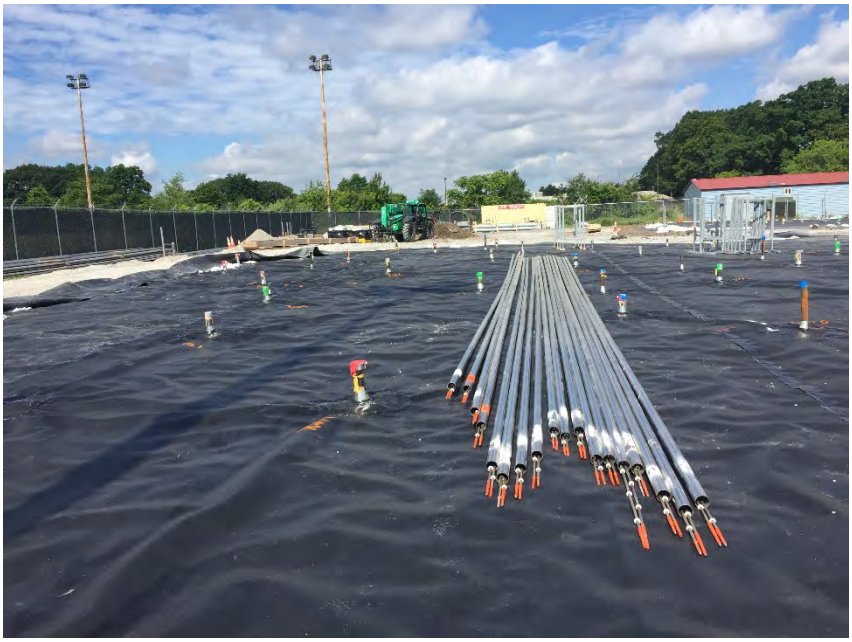
PHOTOGRAPH LOG – Week of June 15, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 9

Description: Placing process pipe sections in northern portion of wellfield.

Location:
Wellfield



Photograph: 10

Description: Assembled heater well elements.

Location:
Wellfield

PHOTOGRAPH LOG – Week of June 15, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 11

Description: Excavating the key-in trench for the HDPE liner in northwest portion of wellfield.

Location:
Wellfield

Photograph: 12

Desc

ription: Placing HDPE liner edge in key-in trench on the southside of the wellfield.

Location:
Wellfield

PHOTOGRAPH LOG – Week of June 15, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 13

Description: Backfilling the key-in trench after embedding the HDPE liner edge in southwest portion of wellfield.

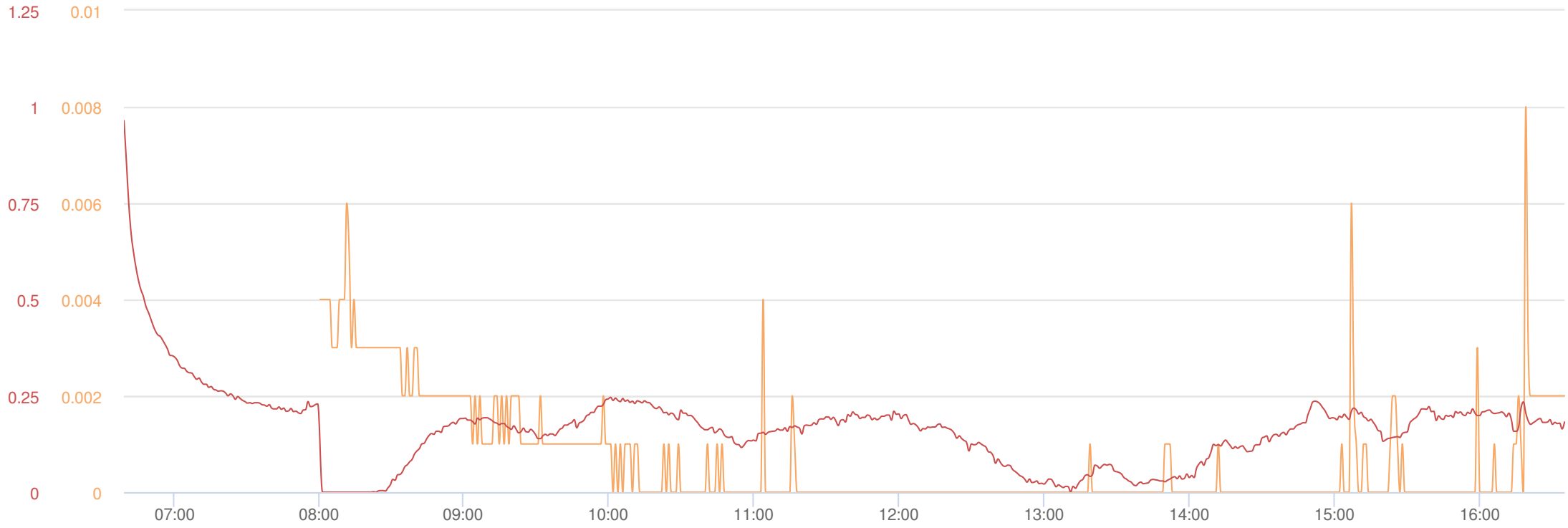
Location:
Wellfield

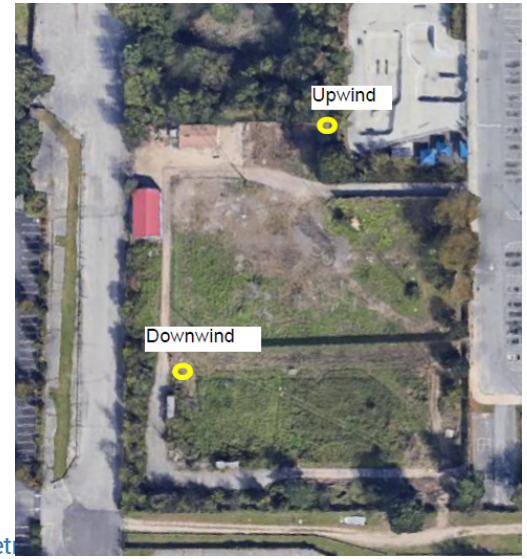
Photograph: 14

Description: Compacting backfilled key-in trench.

Location:
Wellfield

06/15/2020 0:00:28 – 06/16/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0	0.001	0.008

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.165	0.964

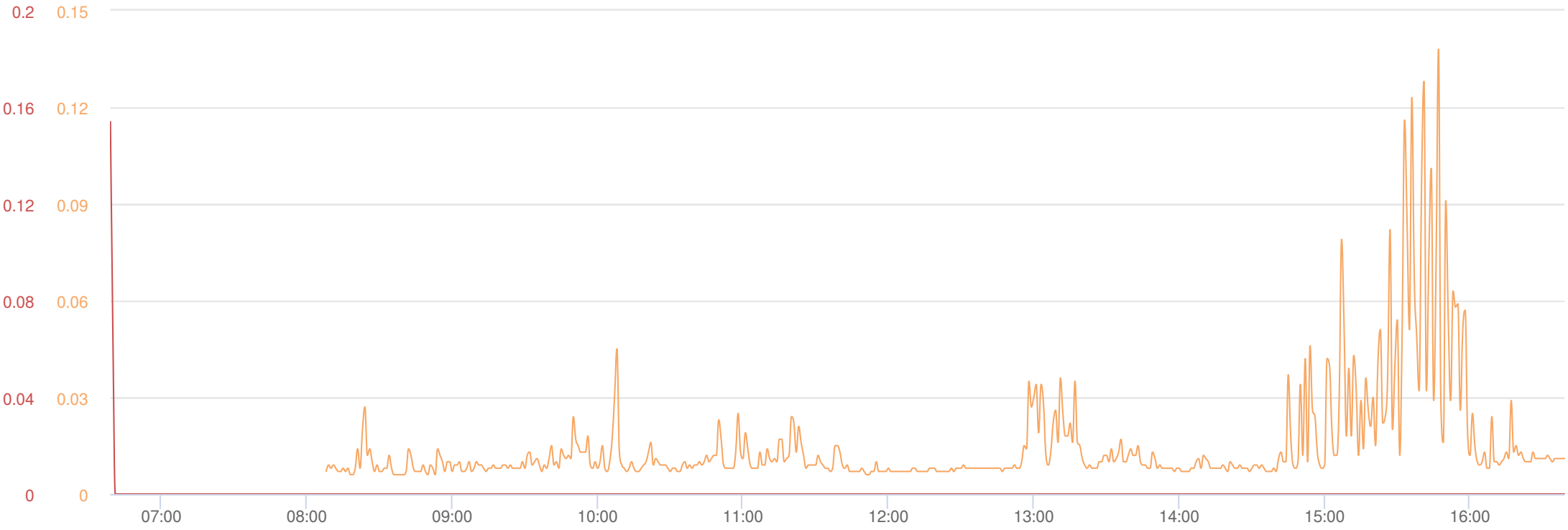
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/15/2020 0:00:32 – 06/16/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.006	0.015	0.138

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0	0.154

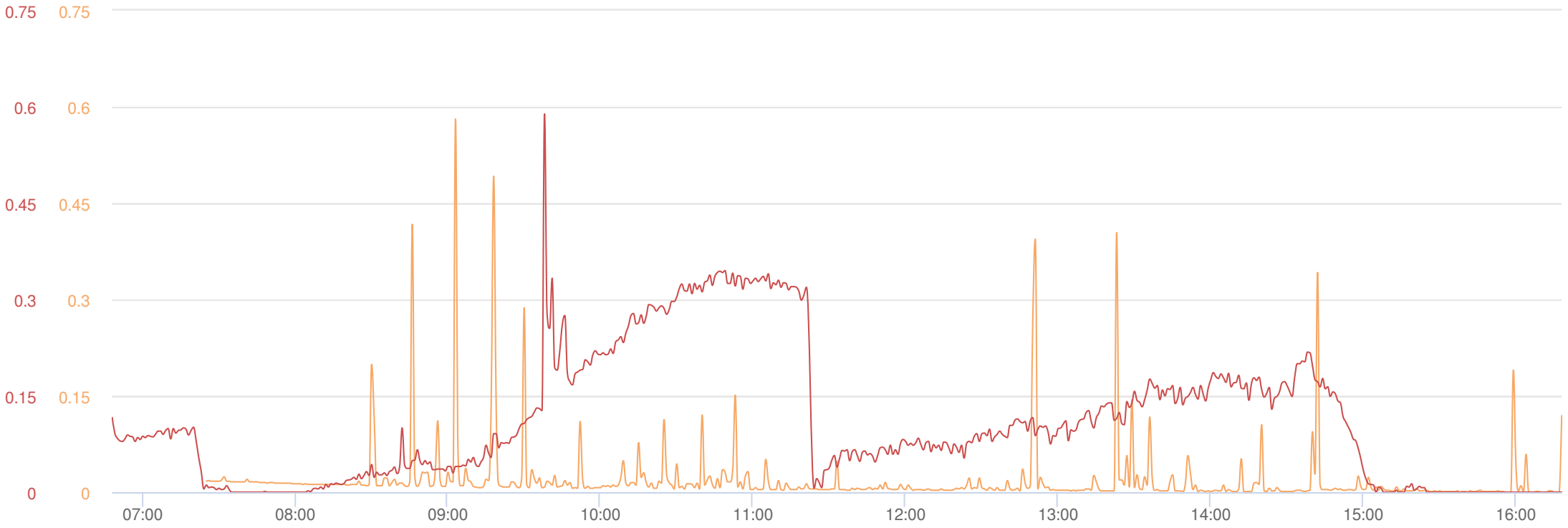
NYSDEC DER-10 CAMP action levels:

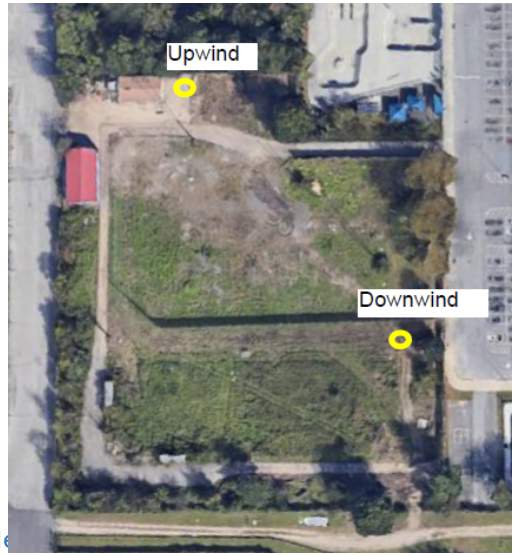
- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/16/2020 0:00:11 – 06/17/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0	0.019	0.581

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.11	0.589

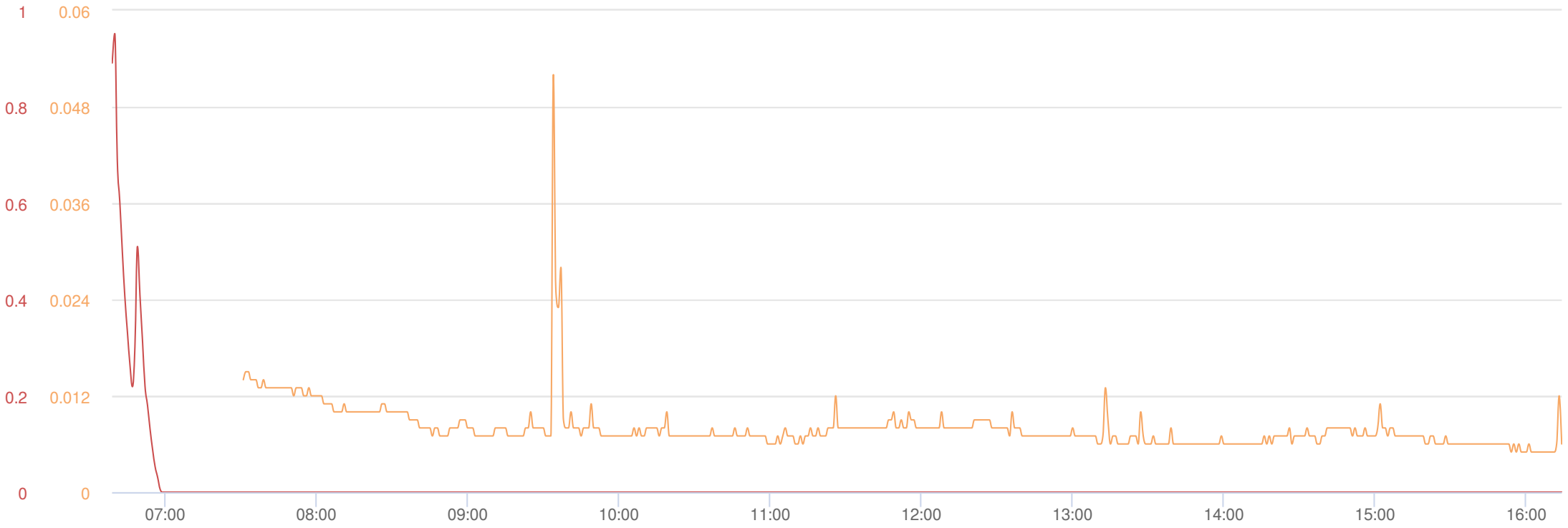
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/16/2020 0:00:05 – 06/17/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.005	0.008	0.052

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.012	0.952

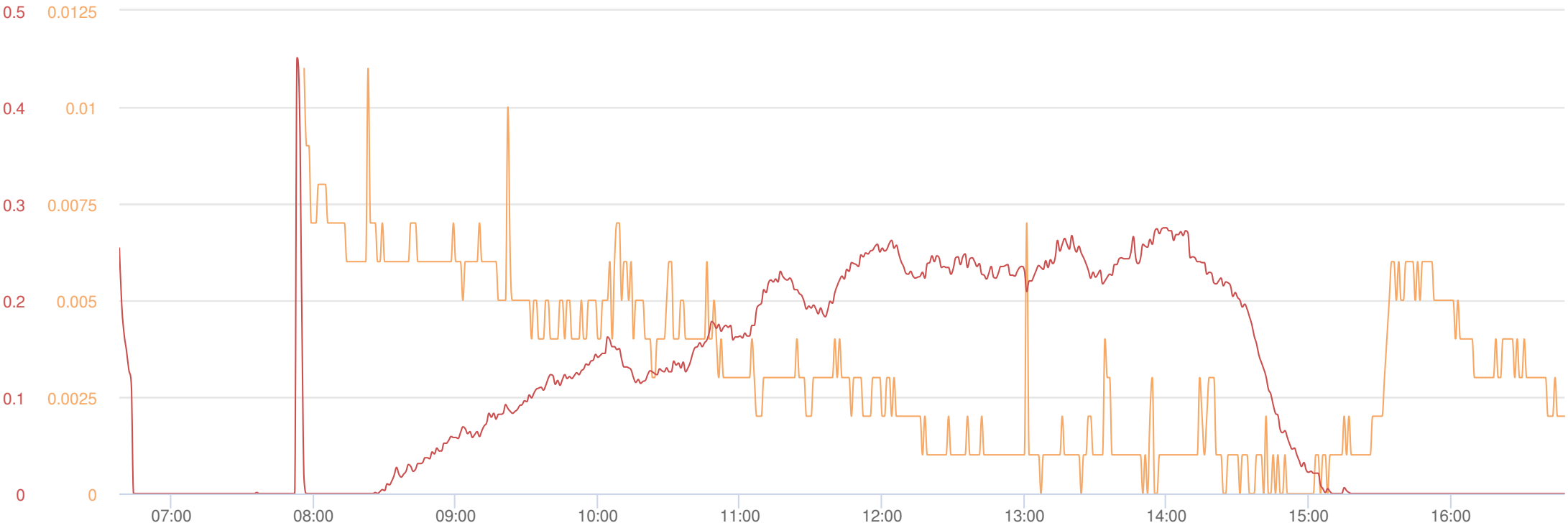
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/17/2020 0:00:46 – 06/18/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0	0.003	0.011

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.114	0.451

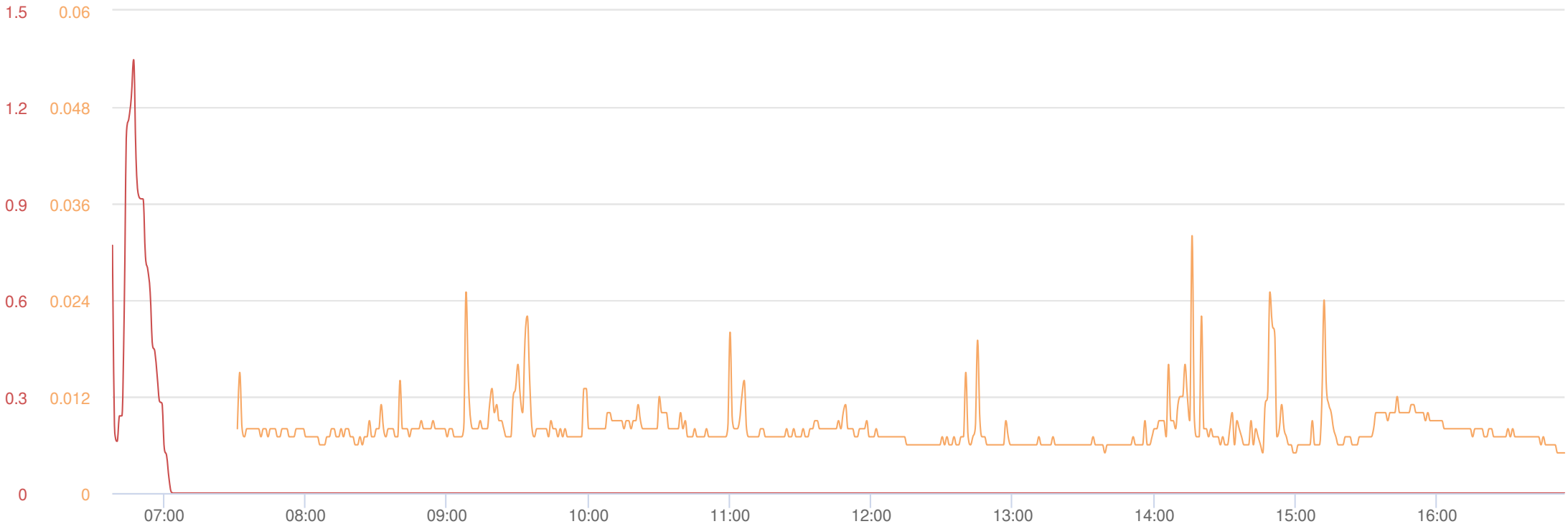
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/17/2020 0:00:25 – 06/18/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.005	0.008	0.032

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.024	1.347

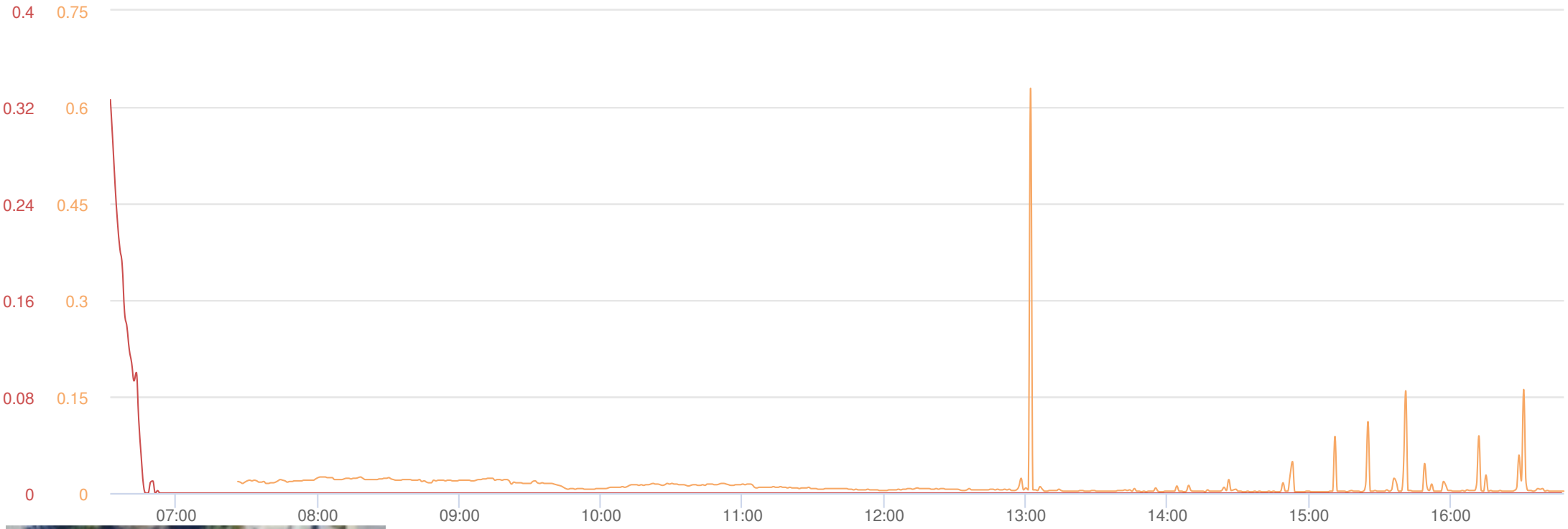
NYSDEC DER-10 CAMP action levels:

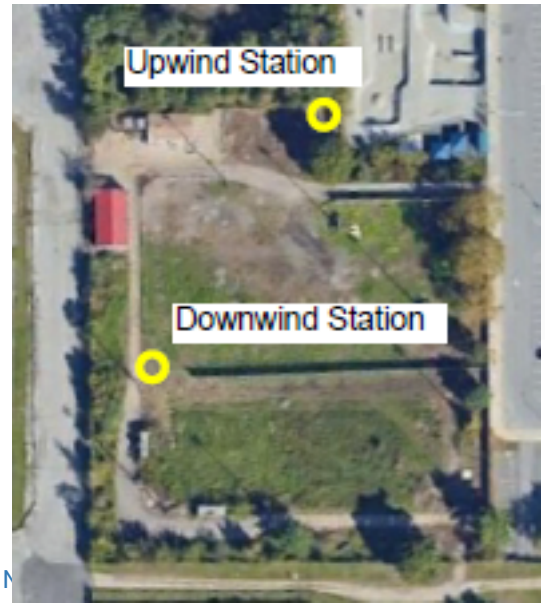
- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/18/2020 0:00:36 – 06/19/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.002	0.012	0.629

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.004	0.326

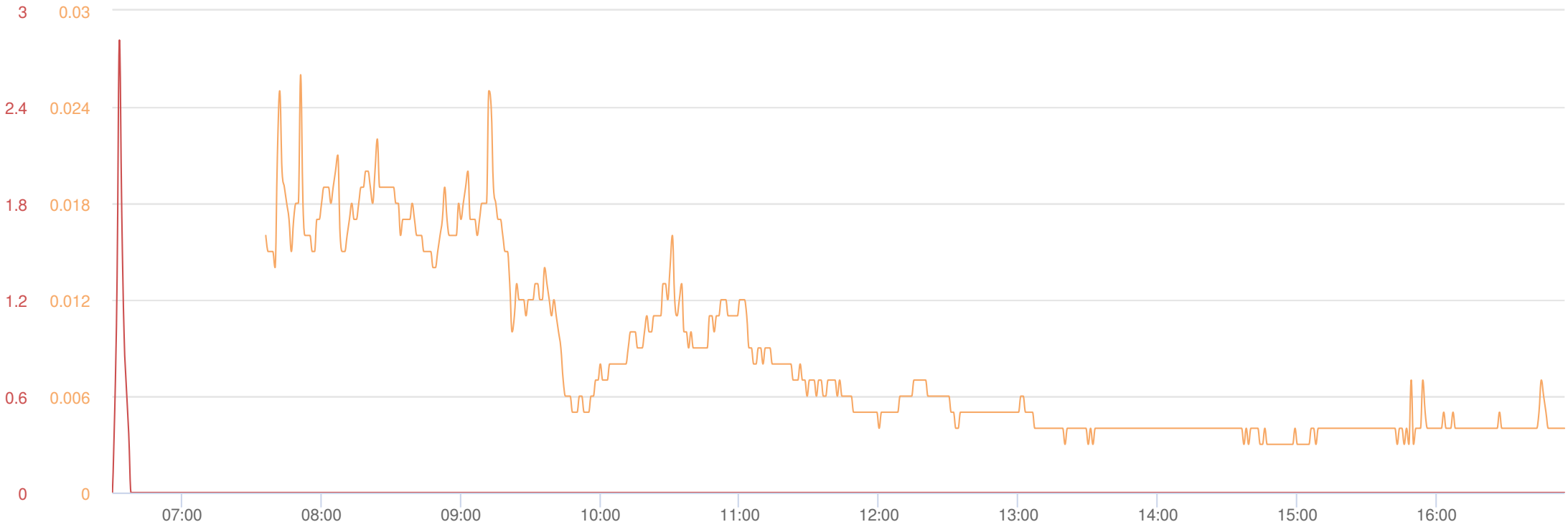
NYSDEC DER-10 CAMP action levels:

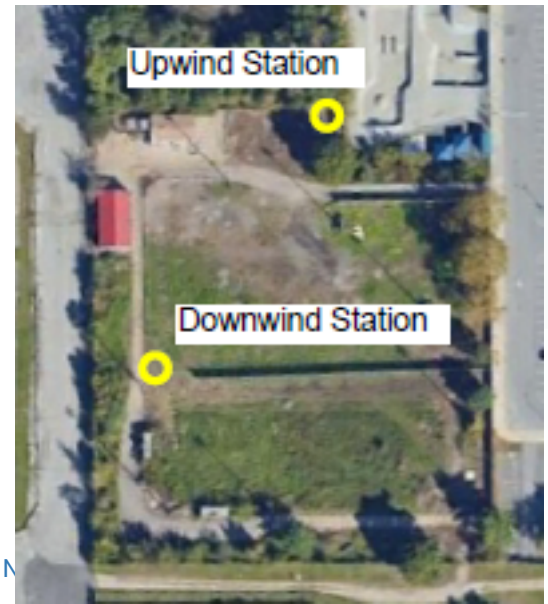
- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/18/2020 0:00:47 – 06/19/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.003	0.008	0.026

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.013	2.816

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

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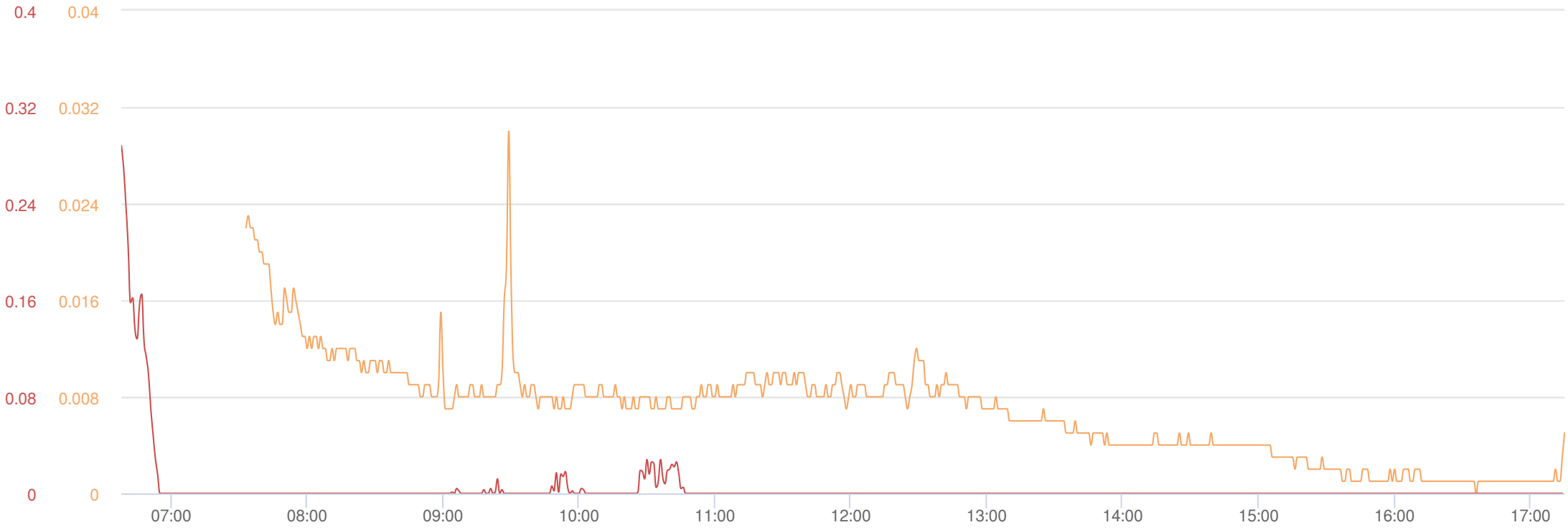
Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

06/19/2020 0:00:32 – 06/20/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0	0.007	0.03

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.005	0.288

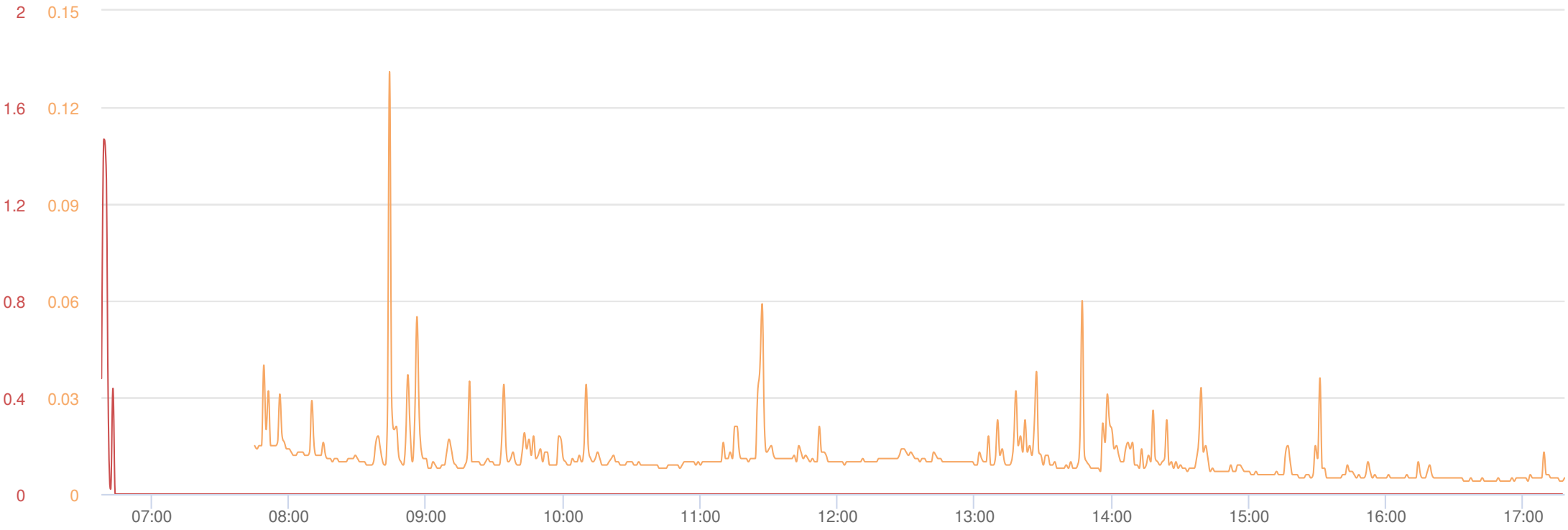
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location 901 Stewart Ave, Bethpage, NY 11714, USA

06/19/2020 0:00:43 – 06/20/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.004	0.011	0.131

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.006	1.468

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID): 5 ppm (15-minute average)

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Name 39875 - Downwind
S/N 0B333738
Location 901 Stewart Ave, Bethpage, NY 11714, USA