3500 PARK AVENUE APARTMENTS SITE

3500 PARK AVENUE

BRONX, NEW YORK

Final Engineering Report

AKRF Project Number: 12477

NYSDEC Site Number: C203096

Prepared for:

3500 Park Apts. HDFC, Inc. and 3500 Park Apts. L.P. LLC

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DECEMBER 2019

CERTIFICATIONS

I, Michelle Lapin, P.E., am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan (RAWP) was implemented and that all construction activities were completed in substantial conformance with the Department-approved RAWP.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the RAWP and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I, Michelle Lapin, of AKRF, Inc., am certifying as Owner's Designated Site Representative for the Site.

Michelle Lapin, P.E. — NYS Professional Engineer #

12/11/2019 — Date

Signature

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Acronym	Definition
ACM	Asbestos-containing materials
AGVs	Air Guidance Values
AST	Aboveground storage tank
AWQSGVs	Ambient Water Quality Standards and Guidance Values
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BGS	Below Grade Surface
CAMP	Community Air Monitoring Plan
CAWP	Corrective Action Work Plan
CEQR	City Environmental Quality Review
CPP	Citizen Participation Plan
CQAP	Construction Quality Assurance Plan
DD	Decision Document
DER	Division of Environmental Remediation
DGA	Dense Graded Aggregate
DRO	Diesel Range Organics
DUSR	Data Usability Summary Report
EC	Engineering Control
EE	Environmental Easement
ELAP	Environmental Laboratory Approval Program
EPA	Environmental Protection Agency
EPH	Extractable Petroleum Hydrocarbons
ESA	Environmental Site Assessment
EWP	Excavation Work Plan
FDNY	New York City Fire Department
FER	Final Engineering Report
GRO	Gasoline Range Organics
HASP	Health and Safety Plan
IC	Institutional Control
LBP	Lead-based Paint
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MSS	Material Solutions Services
NJDEP	New Jersey Department of Environmental Protection
NOV	Notice of Violation
NYC	New York City
NYCDEP	New York City Department of Environmental Protection
NYCDOB	New York City Department of Buildings
NYCDOH	New York City Department of Health
NYCDOT	New York City Department of Transportation

Acronym	Definition
NYCRR	New York Codes, Rules, and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
PAHs	Polycyclic Aromatic Hydrocarbons
PBS	Petroleum Bulk Storage Database
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PGWSCOs	Protection of Groundwater Soil Cleanup Objectives
PID	Photoionization Detector
PM	Project Manager
PPE	Personal Protection Equipment
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCA	Recycled Concrete Aggregate
RCRA	Resource Conservation and Recovery Act
RD	Restrictive Declaration
RE	Remedial Engineer
RI	Remedial Investigation
RIWP	Remedial Investigation Work Plan
RPZ	Reduced Pressure Zone
RRSCO	Restricted Residential Soil Cleanup Objectives
SDG	Sample Digestion Group
SGS	SGS North America
SIM	Selective Ion Monitoring
S/MMP	Soil/Materials Management Plan
SMP	Site Management Plan
SOE	Support of Excavation
SOP	Site Operations Plan
SRI	Supplemental Remedial Investigation
SRIWP	Supplemental Remedial Investigation Work Plan
SSDS	Sub-Slab Depressurization System
SSO	Site Safety Officer
SVOC	Semivolatile Organic Compound

Acronym	Definition
SWPPP	Storm-Water Pollution Prevention Plan
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TICs	Tentatively Identified Compounds
TOGS	Technical and Operational Guidance Series
TPH	Total Petroleum Hydrocarbons
TWA	Time-Weighted Average
UST	Underground Storage Tank
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

3500 Park Apts. HDFC, Inc. and 3500 Park Apts. L.P. LLC (collectively the "Applicants") entered into a Brownfield Cleanup Agreement (BCA) (BCA Index No. C203096-09-17) with the New York State Department of Environmental Conservation (NYSDEC) on November 28, 2017 to investigate and remediate a 0.35-acre (15,207-square foot) property located in the Morrisania neighborhood of the Bronx, New York (hereinafter referred to as the "Site"). The Site was remediated to achieve a dual Track 2 Cleanup meeting Restricted Residential Soil Cleanup Objectives (RRSCOs) within the western portion of the Site, and a Track 4 Cleanup in the eastern portion of the Site, in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) and Decision Document (DD). The Site will contain a seven-story residential building with 115 affordable housing residential units, approximately 2,000 square feet (sf) of residential amenities including community facility space, social service offices, and a landscaped rear courtyard.

The Site is located in Bronx County, New York and is identified as Block 2389, Lot 20 on the New York City Tax Map. In 2010, the Site was rezoned by 3500 Park Avenue LLC to R7-1 (residential) with a C2-4 (commercial) overlay. The Site is bounded by 168th Street to the north, followed by Public School P.S. 132; an industrial yard, a vacant lot, and residential and commercial buildings to the east; Webster Beverage Wholesale Restaurant Supply to the south; and Park Avenue, followed by Metro North Railroad tracks approximately 20 feet below grade to the west. A Site location map and Site plan are provided on Figures 1 and 2, respectively. A map illustrating the dual Track 2/Track 4 cleanup boundaries is provided as Figure 3. The boundaries of the Site are fully described in the metes and bounds provided in Appendix A.

An electronic copy of this Final Engineering Report (FER) with all supporting documentation is included as Appendix B.

1.1 Site History

A full Site history, including historical Sanborn map review and a summary of previous investigations, was provided in the RAWP. Historic records indicated that the Site was developed with a single-story industrial facility used for manufacturing of advertising displays and woodworking with a spray booth and paint vault from 1951 to 1993. The former Site building was demolished in the mid-1990s and the Site was converted to a commercial licensed parking lot in 1994. The Site was used as a concrete and asphalt-paved parking lot with a small attendant shed on the southwestern portion until May 2018. Past owners of the Site include: unknown prior to 1994; 3500 Park, Inc. from 1994 to 2006; 3500 Park Avenue LLC from 2006 to 2016; and 3500 Park Apts. HDFC, Inc. from 2016 to the present.

1.2 Geology and Hydrogeology

Prior to development, soil beneath the Site consisted of fill comprising sand, silt, gravel, concrete, rock, brick, asphalt, and wood from sidewalk grade to varying depths up to approximately 20 feet below grade, underlain by sand, silt, and gravel. The upper 15 feet of soil and fill were excavated from the western portion of the Site during remedial activities (Track 2 portion) and the upper 2 to 13 feet of soil and fill were excavated from the eastern and southern portions of the Site during remedial activities (Track 4 portion).

Bedrock was not encountered during implementation of the remedy. Bedrock was encountered at depths ranging from 27 to 40 feet below grade during the 2017 geotechnical investigation.

Depth to groundwater beneath the Site during the 2018 Supplemental Remedial Investigation was 21.54 feet below the top of polyvinyl chloride (PVC) well casing in groundwater monitoring well

SRI-GW-1 on the northern portion of the Site. Based on topography and local hydrogeology, groundwater is expected to flow in a south-southeasterly direction.

1.3 Proposed Redevelopment

The Site is currently being redeveloped into a 7-story residential building fronting Park Avenue and East 168th Street, with 115 affordable residential units. One partial cellar level beneath the western portion of the Site will house a bicycle storage room, building utilities, and tenant storage space. A partial crawl space will occupy the remainder of the building footprint below sidewalk grade. The first floor will include a residential unit, residential lobbies, offices, a conference room, an activity room, a library, a waste compactor room, a laundry room, a maintenance storage room, and a rear yard access passage, accessible from Park Avenue. Floors 2 through 7 are designed for residential use exclusively.

1.4 Previous Environmental Investigations

Phase I Environmental Site Assessment (ESA) – 3500 Park Avenue, Bronx, New York, Land America Corporation, June 2006

A Phase I ESA was conducted at the Site in June 2006 by Land America Corporation. Review of historical information indicated that the Site was occupied previously by a single-story industrial facility used for manufacturing of advertising displays and woodworking from at least the mid-1940s to the mid-1990s. The former Site building was demolished in the mid-1990s and the Site was converted into a commercial licensed parking lot in 1995. No other information pertaining to the historic manufacturing activities was available.

Phase I ESA – 3500 Park Avenue, Bronx, New York, AKRF, Inc., May 2016

AKRF conducted a Phase I ESA of the Site in May 2016. The Phase I ESA identified the following related to the Site:

- Historic uses of the Site included: an advertising display and woodworking manufacturer with a spray booth and paint vault, East Coast Aeronautics Inc., Progressive Tool Works, Weskup Manufacturing Jewelry Co., Kingston Manufacturing Corp. Biltrite/Biltbite Fixture Company, and Servrite Refrigeration Inc. from 1949 to 1993, and an automobile garage from 1927 to 1940. It was concluded that undocumented releases from these historic industrial uses may have affected subsurface conditions at the Site.
- According to a Conditional Negative Declaration issued in September 2010 [City Environmental Quality Review (CEQR) No. 08DCP022X], a Restrictive Declaration (RD) for hazardous materials was recorded on January 22, 2010 and an (E) Designation for noise (E-259) was mapped on the Site.
- Historic Sanborn maps identified The New York Department of Water Supply garage abutting the Site to the south from 1951 to 1986, and a gasoline station with buried tanks and an automotive repair shop north of the Site across East 168th Street in 1951. Additionally, historic automotive repair shops, garages, filling stations, dry cleaning and laundry facilities, metal works facilities, and various manufacturing facilities were noted in the surrounding area from 1896 to 2007. It was concluded that such uses may have affected area soil and/or groundwater quality at the Site.
- Although no painted surfaces or suspect asbestos-containing materials (ACM) were observed during the time of AKRF's Site visit, it was noted that the potential existed for building materials from former on-site structures and debris to be within the historical fill. It was also

noted that, based on the age of the former structures, these materials could have contained lead-based paint (LBP) and/or ACM.

AKRF recommended a Subsurface Investigation to characterize subsurface conditions of soil, groundwater, and soil vapor throughout the Site prior to redevelopment.

Remedial Investigation Work Plan (RIWP) – 3500 Park Avenue, Bronx, New York, AKRF, Inc., January 2016

AKRF prepared a RIWP for the Site in May 2016. The scope of the investigation included: a geophysical survey across accessible portions of the Site; the advancement of at least five soil borings with the collection and laboratory analysis of at least ten soil samples; the installation of three temporary groundwater monitoring wells with the collection and laboratory analysis of three groundwater samples; and the installation of four temporary soil vapor points with the collection and laboratory analysis of four soil vapor samples.

Remedial Investigation Report – 3500 Park Avenue, Bronx, New York, AKRF, Inc., May 2016

AKRF conducted a Remedial Investigation (RI) at the Site in May 2016 in accordance with the May 2016 RIWP. The RI included a geophysical survey across accessible portions of the Site, the advancement of 5 soil borings with the collection and laboratory analysis of 14 soil samples and the installation of 4 temporary soil vapor points with the collection and laboratory analysis of 4 soil vapor samples. An ambient air sample was collected for comparison and quality assurance/quality control (QA/QC) purposes.

Soil beneath the Site consisted of fill material (sand, gravel, silt, concrete, brick, wood, and asphalt) to depths up to approximately 18 feet below grade. Presumed bedrock was encountered between approximately 12 and 19 feet below grade. Groundwater was not encountered during the investigation.

Results of the soil sample analysis were as follows:

- Seven semivolatile organic compounds (SVOCs) [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene] were detected in soil samples SB-1(4-6), SB-1(10-12), SB-2(0-2), SB-3(0-2), SB-4(0-2), SB-4(6-8), and SB-5(0-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and RRSCOs. Benzo(a)anthracene was detected in 7 samples at concentrations ranging from 0.14 parts per million (ppm) to 28 ppm, above the UUSCO and RRSCO of 1 ppm. Benzo(a)pyrene was detected in 6 samples at an estimated concentration of 0.6 ppm to 30 ppm, above the UUSCO and RRSCO of 1 ppm. Benzo(b)fluoranthene was detected in 6 samples at concentrations ranging from 2.1 ppm to 33 ppm, above the UUSCO and RRSCO of 1 ppm. Benzo(k)fluoranthene was detected in 6 samples at concentrations ranging from 0.85 ppm to 13 ppm, above the UUSCO of 0.8 ppm and RRSCO of 3.9 ppm. Chrysene was detected in 6 samples at concentrations ranging from 1.7 ppm to 29 ppm, above the UUSCO of 1 ppm and RRSCO of 3.9 ppm. Dibenzo(a)anthracene was detected in 5 samples at concentrations ranging from 0.35 ppm to 4.5 ppm, above the UUSCO and RRSCO of 0.33 ppm. Indeno(1,2,3-cd)pyrene was detected in 7 samples at an estimated concentration of 0.6 ppm to 21 ppm, above the UUSCO and RRSCO of 0.5 ppm.
- Metals were detected in each of the 14 soil samples analyzed. Mercury (maximum concentration of 2.2 ppm), zinc (maximum concentration of 480 ppm), lead (maximum concentration of 400 ppm), and copper (maximum concentration of 410 ppm) were detected in soil samples SB-1(0-2), SB-1(4-6), SB-2(0-2), SB-3(0-2), SB-4(0-2), SB-4(6-8), SB-4(10-12),

SB-5(0-2), and SB-5(4-6) at concentrations exceeding their respective NYSDEC UUSCOs. Copper (maximum concentration of 410 ppm) and mercury (maximum concentration of 2.2 ppm) were detected in soil samples SB-1(0-2) and SB-1(4-6) at concentrations exceeding their respective RRSCOs. No other metals were detected above applicable standards in the soil samples.

- One polychlorinated biphenyl (PCB), Aroclor 1248, was detected in shallow soil sample SB-3 (0-2) and its associated blind duplicate sample SB-X(0-2), at concentrations of 0.111 ppm and 0.403 ppm, respectively, slightly above the total PCB UUSCO of 0.1 ppm, but below the RRSCO of 1.0 ppm.
- The four pesticides, P,P'-DDE, P,P'-DDT, P,P'-DDD, and dieldrin, were detected in 8 of the 14 soil samples analyzed. P,P'-DDE was detected in soil samples SB-2(0-2), SB-2(4-6), SB-3(0-2), SB-4(0-4), SB-4(6-8), and SB-5(0-2) ranging from 0.00637 ppm to 0.09 ppm, above its UUSCO of 0.0033 ppm but below its RRSCO of 8.9 ppm. P,P'-DDT was detected in soil samples SB-1(4-6), SB-1(10-12), SB-2(0-2), SB-2(4-6), SB-3(0-2), and SB-5(0-2) ranging from 0.012 ppm to 0.057 ppm, above its UUSCO of 0.0033 ppm, but below its RRSCO of 7.9 ppm. P,P'-DDD was detected in soil samples SB-2(0-2) and SB-3(0-2) at concentrations of 0.198 ppm and 0.0163 ppm, respectively, above its UUSCO of 0.0033 ppm, but below its RRSCO of 13 ppm. Dieldrin was detected in soil samples SB-1(4-6), SB-1(10-12), and SB-3(0-2) at concentrations ranging from 0.00167 ppm to 0.015 ppm, above its UUSCO of 0.005 ppm, but below its RRSCO of 0.2 ppm.

Results of the soil vapor sample analyses were as follows:

- Volatile organic compounds (VOCs) associated with petroleum/gasoline (n-hexane, 1,3-butadiene, 2-butanone, toluene, 2-hexanone) were detected at concentrations up to 60.6 micrograms per cubic meter ($\mu g/m^3$) in the soil vapor samples. Solvent-related VOCs were detected at individual concentrations up to 136 $\mu g/m^3$. Tetrachloroethylene (PCE) was detected in each of the soil vapor samples at concentrations ranging from 5.28 $\mu g/m^3$ to 136 $\mu g/m^3$. VOCs detected in the ambient air sample (AA-1) were all below the established air guidance values (AGVs).

Samples exceeding their respective soil vapor standards are shown on Figure 4..

Geotechnical Engineering Report – 3500 Park Avenue, Bronx, NY, GZA GeoEnvironmental, Inc., June 2017

GZA GeoEnvironmental, Inc. conducted a geotechnical investigation at the Site in May and June 2017 to support the proposed construction of a seven-story mixed-use building. The investigation consisted of the advancement of five borings, two test pits, and the collection of soil samples for geotechnical evaluation. The results of the investigation indicated that the stratigraphy beneath the Site consisted of fill material comprising sand with varying amounts of silt, gravel and miscellaneous debris including wood, brick, and concrete fragments, from approximately 4 to 12 feet below ground surface (bgs), underlain by a layer of sand with varying amounts of silt and fine to coarse marble and schist fragments from approximately 12 to 32 feet. Bedrock was encountered at depths ranging from approximately 27 to 40 feet below grade.

Supplemental Remedial Investigation Work Plan (SRIWP) – 3500 Park Avenue, Bronx, New York, AKRF, Inc., December 2017

AKRF prepared a SRIWP for the Site in December 2017. The scope of the supplemental remedial investigation included the advancement of four soil borings with the collection and laboratory

analysis of at least eight soil samples and the installation of one permanent groundwater monitoring well with the collection and laboratory analysis of one groundwater sample.

Supplemental Remedial Investigation Report – 3500 Park Avenue, Bronx, New York, AKRF, Inc., January 2018

AKRF conducted a Supplemental Remedial Investigation (SRI) at the Site in December 2017 in accordance with the December 2017 SRIWP.

The SRI included: the advancement of 4 soil borings with the collection of 12 soil samples and laboratory analysis of 8 soil samples to further characterize the nature and extent of contamination in on-site soil identified; and the installation of 1 permanent, 2-inch diameter groundwater monitoring well with the collection and laboratory analysis of 1 groundwater sample to evaluate groundwater quality.

Soil observed in the borings during the SRI primarily consisted of fill comprising sand, silt, and gravel with some concrete, brick, wood, and asphalt to approximately 15 to 20 feet below grade, underlain by apparent native sand with varying amounts of gravel and silt to 25 feet below grade.

Results of the soil sample analysis were as follows:

- Four SVOCs [benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] were detected in soil samples SRI-SB-8(0-2')20171218 and/or SRI-SB-9(0-2')20171218 at concentrations exceeding their respective UUSCOs and RRSCOs. Benzo(a)pyrene was detected in soil sample SRI-SB-9(0-2')20171218 at a concentration of 1.15 ppm, above its UUSCO of 1.0 ppm and its RRSCO of 1.0 ppm. Benzo(b)fluoranthene was detected in soil samples SRI-SB-8(0-2')20171218 and SRI-SB-9(0-2')20171218 at concentrations of 1.04 ppm and 1.53 ppm, respectively, above its UUSCO and RRSCO of 1.0 ppm. Chrysene was detected in soil sample SRI-SB-9(0-2')20171218 at a concentration of 1.04 ppm, slightly above its UUSCO of 1.0 ppm but below its RRSCO of 3.9 ppm. Indeno(1,2,3-cd)pyrene was detected in soil samples SRI-SB-8(0-2')20171218 and SRI-SB-9(0-2')20171218 at concentrations of 0.67 ppm and 0.961 ppm, respectively, above its UUSCO and RRSCO of 0.5 ppm. SVOCs were not detected above laboratory reporting limits in soil samples SRI-SB-6(12-13')20171218, SRI-SB-7(12-13')20171218, and SRI-SB-9(12-13')20171218.
- Metals were detected in each of the eight soil samples analyzed. Lead was detected in five soil samples [SRI-SB-7(0-2')20171218, SRI-SB-6(0-2')20171218, SRI-SB-8(0-2')20171218, SRI-SB-8(12-13')20171218, and SRI-SB-9(0-2')20171218] at concentrations ranging from 128 to 306 ppm, above its UUSCO of 63 ppm, but below its RRSCO of 400 ppm. Lead was detected in blind duplicate soil sample SRI-SB-X(0-2')20181218 at a concentration of 5,940 ppm, above its UUSCO of 63 ppm and its RRSCO of 400 ppm. Mercury was detected in soil sample SRI-SB-6(0-2')20171218 and associated blind duplicate sample SRI-SB-X(0-2')20171218 at concentrations of 0.67 ppm and 0.78 ppm, respectively, above its UUSCO of 0.18 ppm, but below its RRSCO of 0.81 ppm. Mercury was detected in soil sample SRI-SB-7(0-2') 20171218 at a concentration of 5.1 ppm, above its UUSCO of 0.18 ppm and its RRSCO of 0.81 ppm. Zinc was detected in five soil samples [SRI-SB-7(0-2')20171218, SRI-SB-6(0-2')20171218, SRI-SB-8(0-2')20171218, SRI-SB-8(12-13')20171218, and SRI-SB-9(0-2')20171218] and the blind duplicate soil sample SRI-SB-X(0-2')20171218 at concentrations ranging from 125 ppm to 337 ppm, above its UUSCO of 109 ppm, but below its RRSCO of 10,000 ppm. Trivalent chromium was detected in soil samples SRI-SB-6(12-13')20171218 and SRI-SB-7(12-13')20171218 at concentrations of 35.1 ppm and 69.6 ppm, respectively, above its UUSCO of 1 ppm, but below its RRSCO of 180 ppm. Hexavalent chromium was detected in soil sample SRI-SB-7(0-2')20171218 at a concentration of 1.6 ppm, above its

UUSCO of 1 ppm, but below its RRSCO of 110 ppm. No other metals were detected above applicable standards in the soil samples.

Results of the groundwater sample analysis were as follows:

- Seven metals (aluminum, calcium, iron, magnesium, manganese, selenium, and sodium) were detected in the total (unfiltered) groundwater sample SRI-GW-1-20171218 and/or the associated blind duplicate sample SRI-GW-X-20171218 at concentrations ranging from 10.4 micrograms per liter (µg/L) to 279,000 µg/L. Of those detections, four metals (iron, magnesium, selenium, and sodium) were detected at concentrations above their respective Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards and Guidance Values (AWQSGVs). Iron was detected in the groundwater sample SRI-GW-1-20171218 and the associated blind duplicate sample SRI-GW-X-20171218 at concentrations of 487 µg/L and 704 µg/L, respectively, above its AWQSGV of 300 µg/L. Magnesium was detected in the groundwater sample SRI-GW-1-20171218 and the associated blind duplicate sample SRI-GW-X-20171218 at concentrations of 88,000 µg/L and 89,800 µg/L, respectively, above its AWQSGV of 35,000 µg/L. Selenium was detected in groundwater sample SRI-GW-1-20171218 at a concentration of 10.4 µg/L, above its AWQSGV of 10 µg/L; however, selenium was not detected above laboratory reporting limits in the associated blind duplicate sample SRI-GW-X-20171218. Sodium was detected in the groundwater sample SRI-GW-1-20171218 and the associated blind duplicate sample SRI-GW-X-20171218 at concentrations of 196,000 µg/L and 200,000 µg/L, respectively, above its AWQSGV of 20,000 µg/L.
- Five metals (calcium, magnesium, manganese, selenium, and sodium) were detected in the dissolved (filtered) groundwater sample SRI-GW-1-20171218 and/or the associated blind duplicate sample SRI-GW-X-20171218 at concentrations ranging from 10.7 µg/L to 202,000 µg/L. Of these, three metals (magnesium, selenium and sodium) were detected at concentrations above their respective AWQSGVs. Dissolved magnesium was detected in groundwater sample SRI-GW-1-20171218 and the associated blind duplicate sample SRI-GW-X-20171218 at concentrations of 90,100 µg/L and 89,300 µg/L, respectively, above its AWQSGV of 35,000 µg/L. Dissolved selenium was detected in groundwater sample SRI-GW-1-20171218 at a concentration of 10.7 µg/L, slightly above its AWQSGV of 10 µg/L; however, dissolved selenium was not detected in the associated blind duplicate sample SRI-GW-X-20171218 above laboratory reporting limits. Dissolved sodium was detected in groundwater sample SRI-GW-1-20171218 and the associated blind duplicate sample SRI-GW-X-20171218 at concentrations of 199,000 µg/L and 202,000 µg/L, respectively, above its AWQSGV of 20,000 µg/L.

Perfluorooctanesulfonic Acid (PFOS) was detected in groundwater sample SRI-GW-1-20171218 and the associated blind duplicate SRI-GW-X-20171218 at concentrations of 36.7 parts per trillion (ppt) and 37.3 ppt, respectively, and Perfluorooctanoic Acid (PFOA) was detected in groundwater sample SRI-GW-1-20171218 and the associated blind duplicate SRI-GW-X-20171218 at concentrations of 58.3 ppt and 59.0 ppt, respectively. The United States Environmental Protection Agency (EPA) Drinking Water Health Advisory Level is 70 ppt for the combined concentrations of PFOA and PFOS. Based on the analytical results, the combined concentrations of PFOA and PFOS (95.0 and 96.3 ppt) in SRI-GW-1-20171218 and blind duplicate SRI-GW-X-20171218, respectively, were above the Advisory Level. 1,4-dioxane was detected in groundwater sample SRI-GW-1-20171218 at an estimated concentration of 0.29 µg/L; however, 1,4-dioxane was not detected in associated blind duplicate groundwater sample SRI-GW-X-20171218.

Samples exceeding their respective groundwater standards are shown on Figure 5.

Remedial Action Work Plan – 3500 Park Avenue Apartments, 3500 Park Avenue, Bronx, New York, AKRF, Inc., April 2018

AKRF prepared a RAWP in April 2018, which outlined the remedial activities and cleanup objectives for the Site. The RAWP proposed excavation of soil above the Track 2 RRSCOs with a Track 4 contingency in areas where Track 2 could not be achieved, if any. The remedy also included installation of a waterproofing membrane/vapor barrier into the proposed building design as part of construction.

RAWP approval and the NYSDEC DD were both issued on May 18, 2018.

Site Management Plan – 3500 Park Avenue Apartments, 3500 Park Avenue, Bronx, New York, AKRF, Inc., August 2019

AKRF prepared a draft Site Management Plan (SMP) in August 2019, which outlines the remedial activities and remaining contamination for the Site. The SMP includes Institutional and Engineering Controls (ICs and ECs) into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the NYC Office of the County Register, requires compliance with this SMP and all ECs and ICs placed on the Site. The SMP addresses the means for implementing the ICs and ECs that are required by the Environmental Easement for the Site. NYSDEC, in consultation with NYSDOH, issued approval of the SMP on November 25, 2019.

2.0 SUMMARY OF SITE REMEDY

2.1 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the DD dated May 2018 are as follows:

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

2.1.3 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.2 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected by the NYSDEC in the Decision Document dated May 2018 and AKRF's NYSDEC-approved RAWP dated April 2018. NYSDEC's May 2018 Decision Document and the NYSDEC approval letters are included in Appendix C. The Site achieved a dual Track 2/Track 4 cleanup. The Track 2 and Track 4 boundaries are shown on Figure 3.

The factors considered during the selection of the remedy are those listed in 6 New York Codes, Rules, and Regulations (NYCRR) 375-1.8. The following are the components of the selected remedy:

1. Excavation of soil/fill exceeding Restricted Residential Soil Cleanup Objectives (RRSCOs) within the upper 15 feet below grade on the Track 2 (western) portion of the Site and between 2 and 7 feet below grade on the Track 4 (eastern) portion of the Site.
2. Removal and off-site disposal of petroleum tanks, fill ports, and vents and any associated grossly-contaminated soil in accordance with applicable regulations.
3. Importation of clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) to replace excavated soil and establish the designed grade.
4. Construction and maintenance of a site cover system in the Track 4 Cleanup area, consisting of (1) a minimum two-foot clean fill buffer with demarcation barrier in all landscaped and non-covered areas; and (2) concrete building foundations and sidewalks/pathways to prevent human exposure to residual contaminated soil/fill remaining under the Site.

5. The imposition of an Institutional Control (IC) in the form of an Environmental Easement for the Site that will: require the remedial party/Site owner to complete and submit a periodic certification of ICs and Engineering Controls (ECs) to the Department in accordance with Part 375-1.8 (h)(3); allow the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws; restrict the use of groundwater as a source of potable or process water without necessary water quality treatment as determined by NYSDOH; and require compliance with the Department-approved Site Management Plan (SMP).
6. Preparation of a SMP for long term management of residual contamination as required by the Environmental Easement, including plans for: (1) ICs and ECs, (2) monitoring, (3) operation and maintenance, and (4) reporting.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The remedy for this Site was performed as a single project, and no interim remedial measures, operable units or separate construction contracts were performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

The information and certifications made in the NYSDEC Decision Document dated May 2018 and AKRF's NYSDEC-approved RAWP dated April 2018 were relied upon to prepare this report and certify that the remediation requirements for the Site have been met. All deviations from the NYSDEC-approved RAWP are described throughout the appropriate subsections below and listed separately for reference in Section 6.3.

4.1 Governing Documents

The NYSDEC-approved April 2018 RAWP included standalone supporting documents as appendices or cross-referenced the appendices included in the RAWP. These approved documents outlined specific aspects of the remedial action pertaining to Site-specific health and safety and sampling protocols. The following documents were utilized during the completion of the remedial action.

4.1.1 Site Specific Health & Safety Plan (HASP)

A Site-specific HASP, included as Appendix H of the NYSDEC-approved RAWP, was implemented during all remedial work. The HASP included hazards and chemicals of concern, requirements for personnel training, a description of Site work zones, protocols for work zone and CAMP monitoring, designated personal protection equipment (PPE), and emergency response procedures. The HASP identified key project personnel and their responsibilities. An AKRF-designated Site Safety Officer (SSO) was present during all intrusive remedial work to document safe working procedures and perform real-time work zone air monitoring with a PID.

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by the Federal Occupational Safety and Health Administration (OSHA).

The Applicant and associated parties preparing the remedial documents submitted to the State and those performing the construction work, were completely responsible for the preparation of an appropriate HASP and for the appropriate performance of work according to that plan and applicable laws.

The HASP was complied with all remedial and invasive work performed at the Site.

4.1.2 Quality Assurance Project Plan (QAPP)

All sampling associated with this project was conducted in accordance with the QAPP included as Appendix G of the RAWP approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities QA/QC activities designed to achieve the project data quality objectives. The QAPP details field screening and sampling methodologies, and sample submittal and reporting requirements; and includes the project team responsible for implementing the remediation requirements and provisions set forth in the RAWP.

4.1.3 Construction Quality Assurance Plan (CQAP)

The CQAP, provided as Appendix K of the RAWP, managed performance of the Remedial Action tasks through designed and documented QA/QC methodologies applied in the field and in the lab. The CQAP provided a detailed description of the observation and testing activities that were used to monitor construction quality and confirm that remedial construction was in conformance with the remediation objectives and specifications.

4.1.4 Soil/Materials Management Plan (S/MMP)

An S/MMP was included in Section 6.4 of the RAWP. The S/MMP established procedures and methods for managing all soils/materials that were disturbed at the Site, including excavation, handling, storage, transport, disposal, and importation. The S/MMP was implemented during material handling conducted under the remedial work to assure effective, nuisance free performance of soil management work in compliance with all applicable federal, state, and local laws and regulations. The S/MMP was complied with for all applicable remedial and invasive work performed at the Site.

4.1.5 Storm-Water Pollution Prevention Plan (SWPPP)

Based on a review of New York City Department of Environmental Protection (NYCDEP) sewer mapping and the size of the Site, a SWPPP was not required. The erosion and sediment controls for all remedial construction were performed in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control. Sediment control measures were installed at the Site prior to conducting any ground-intrusive work. These measures were installed according to all applicable or relevant and appropriate federal, state, and local laws. The measures provided for abatement and control of environmental pollution arising from proposed remediation and construction activities. The control measures included procedures for perimeter Site controls, stabilized construction pads at each construction entrance, equipment decontamination, drainage inlet protection, and dust suppression. Designated personnel under the direct supervision of the Remedial Engineer (RE) conducted routine inspections, any repairs and/or maintenance of control measures were completed in a timely fashion to maintain the controls in proper working order. All vehicles leaving the Site were inspected to ensure that no soil adhered to the wheels or undercarriage of the vehicle leaving the Site. Any situations involving mud and dust tracked off-site were remedied. The access routes were routinely inspected for road conditions, overhead clearance, and weight restrictions.

4.1.6 Community Air Monitoring Plan (CAMP)

The CAMP was included as Appendix H of the RAWP. The principal purpose of the CAMP was to monitor air quality in the vicinity of remedial activities. The CAMP measures consisted of monitoring dust, vapors, and nuisance odors on a periodic/roving basis and implementing response actions as needed. Under the CAMP, real-time air monitoring for particulate matter/dust and VOCs, observations for visible emissions and odors, and inspection and monitoring of the contractor's work practices were ongoing during the completion of remedial work.

Community air monitoring consisted of one fixed, automated station to continuously log both instantaneous readings and 15-minute time-weighted averages (TWAs) for VOCs and particulates with a MiniRAE 3000 PID and TSI 8530 DustTrak particulate meter. The station location varied throughout the remedial action, depending on the location of work and weather conditions. As requested by NYSDEC during the construction kick-off meeting, the CAMP station was primarily located within the vicinity of the north-adjacent school along East 168th Street (Grids B1 and C1) during intrusive activities.

Roving (work zone) air monitoring was also performed periodically (at a minimum once per half hour) around any invasive work areas using a PID and particulate meter to address the health and safety concerns during the Site remediation and to monitor air quality within the breathing zone.

CAMP monitoring results and response actions are summarized in Section 4.2.6.

4.1.7 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e., those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the RAWP. All remedial documents including routine reports and necessary updates were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work that required NYSDEC and NYSDOH involvement.

4.1.8 Citizen Participation Plan

A Citizen Participation Plan (CPP), provided as Appendix I of the RAWP, was approved by NYSDEC on December 13, 2017. A Project Fact Sheet describing the RAWP was forwarded to persons on the Project contact list in accordance with the NYSDEC and NYSDOH-approved CPP on March 21, 2018.

A certification of mailing was sent by the Applicant to the NYSDEC project manager following the distribution of all Fact Sheets and notices that included: (1) certification that the Fact Sheets were mailed; (2) the date they were mailed; (3) a copy of the Fact Sheet; and (4) a list of recipients (contact list).

No changes were made to approved Fact Sheets authorized for release by NYSDEC without written consent of the NYSDEC. No other information, such as brochures or flyers, was included with the Fact Sheet mailing.

Document repositories have been established at the following locations and contain all applicable project documents:

Morrisania Library
610 East 169th Street
Bronx, NY 10456
Phone: (718) 589-9268

Hours:
Monday-Thursday: 10AM-7PM
Friday-Saturday: 10AM-5PM
Sunday: Closed

Bronx Community Board District 3
1426 Boston Road
Bronx, New York 10456
Phone: (718) 378-8054

Hours:
Monday-Friday: 12PM-4PM
Tuesday-Friday: 10AM-4PM

4.2 Remedial Program Elements

4.2.1 Contractors and Consultants

Consultants:

- AKRF, Inc. (AKRF) served as the environmental consultant and Qualified Environmental Professional (QEP) responsible for oversight and performance of the remedial work with respect to the NYSDEC-approved RAWP and Decision Document under the oversight of the designated Remedial Engineer.
- The Remedial Engineer for this project is Michelle Lapin, P.E., of AKRF. The Remedial Engineer is a registered Professional Engineer licensed by the State of New York (License No. # 073934-1) and had primary responsibility for implementation of the remedial program for the Site.
- The Principal for this project was Deborah Shapiro, QEP. The principal's primary responsibility was to oversee and manage implementation of the RAWP, attend Site meetings and correspondence with the Site owner and regulatory agencies, and oversee preparation of the FER.
- The Quality Assurance Officer (QAO) for this project was Marcus Simons of AKRF. The QAO had primary responsibility for adherence to the Quality Assurance Project Plan (QAPP) and review of Data Usability Summary Reports (DUSRs) for the Site.
- The project manager (PM) for this project was Mark Jepsen. The primary responsibility of the PM was to oversee the daily field activities associated with implementing the RAWP, assist with the remedial activities in the field, scheduling, reporting, and correspondence with regulatory agencies.
- The primary SSO and field technician for this project was Chris Puoplo. The SSO was responsible for implementing the RAWP, HASP, and CAMP in the field, and daily reporting. The SSO was supported by Mark Candelario, Ethan Denmark, Esme Faneuff, Matthew Levy, Marco Balletta, William Grossett, Daniel Kardashian, Daniela Benedetti, Tom Giordano, Haile Thompson, and Victor Chang.
- The laboratory data validator responsible for third party data validation and preparation of DUSRs was Lori Beyer of L.A.B. Validation Corp.

Contractors:

- Mega Contracting Group, LLC (Mega) of Astoria, New York was the construction manager and general contractor for all remediation activities, including foundation construction, excavation and off-site disposal of soil and fill material, and vapor barrier/waterproofing installation. Mega provided site-wide health and safety oversight for the duration of the redevelopment project.
- SGS Accutest Inc. (Accutest), a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory was the laboratory that performed analytical services for all environmental sampling at the Site.
- Moncon Construction, Inc. (Moncon) of Mount Vernon, New York was the foundation contractor. Moncon performed all foundation construction, installed all piles and foundation support for the new building, and excavated soil and fill material.

- ABC Fuel Oil Cleaners (ABC) of Brooklyn, New York was the New York City Fire Department (FDNY)-certified tank removal contractor that conducted cleaning and removal of the 100-gallon water tank encountered during remedial activities.
- Brookside Environmental (Brookside) of Copiague, New York was the FDNY-certified tank removal contractor that supplied vacuum pump trucks for removal of petroleum products, and conducted cleaning and removal of the two 550-gallon gasoline underground storage tanks encountered during remedial activities.
- Robert Silman Associates Structural Engineers, DPC of New York, New York served as the structural engineering consultant and provided the foundation system design and construction plans for the proposed development.
- Empire State Layout, Inc. of Bellmore, New York is a New York State (NYS)-Licensed Surveyor provided the easement surveys and metes and bounds description, and surveyed elevations following remedial excavation.
- Edelmen Sultan Knox Wood/Architects LLP, of New York, New York served as the project architect and provided the building layout and designs for the proposed development.
- Loring Consulting Engineers, Inc. of New York, New York served as the mechanical engineering consultant and provided mechanical, electrical, and plumbing designs for the proposed development.
- George Duke Esq., of Brown Duke & Fogel, P.C. served as the environmental attorney for the remedial action.
- Billie Cohen, LTD of New York, New York served as the landscape architect.
- Ron Schreiber of All Suffolk Materials, Inc. in Selden, New York served as the soil broker and coordinated approvals from permitted facilities prior to off-site disposal soil and fill material.
- Eastern Environmental Solutions, Inc. of Manorville, New York served as the drilling contractor and installed soil borings, a groundwater monitoring well, and vapor points during the RI and SRI.

4.2.2 Agency Approvals

The Applicant complied with all federal, state, and local requirements during the remedial work at the Site. All permits and government approvals required for remedial construction were obtained prior to the start of remedial construction.

A complete list of all local, regional, and national governmental permits, certificates, or other approvals or authorizations required to complete the remedial and development work is attached in Table 4. This list includes the originating agency and a contact phone number in that agency.

4.2.3 Site Preparation

On May 21, 2018, a pre-construction meeting was held with representatives of NYSDEC, AKRF, the Applicant, and general contractor. The meeting was held to discuss soil handling, NYSDEC Brownfield Cleanup Program (BCP) requirements, and RAWP implementation requirements during redevelopment. Site preparation activities involving major mobilization events for the completion of the remedial work included the following:

- **Mobilization** – Site mobilization was performed during the week of June 11, 2018 and included Site trailer installation, Site security setup, equipment mobilization, utility mark outs, and marking and staking excavation areas prior to beginning Site remediation activities.
- **Erosion and Sediment Controls –** Between June 2018 and November 2018, the installation of perimeter erosion and sediment controls and drainage inlet protection was performed, including the installation of a stabilized construction pad at the Site's entrance/exit location, silt fencing installation around tree pits on the sidewalks of Park Avenue and East 168th Street and on the entrance/exit gates. Erosion and sediment control measures are further discussed in Section 4.2.4.
- **Site Fencing** – The Site was secured with wooden construction fencing that was placed around the entire perimeter of the Site prior to undertaking remedial activities.

Documentation of NYSDEC approvals required by the RAWP is included in Appendix C.

No natural resource permits were required as part of the Remedial Action.

4.2.4 General Site Controls

The following Site controls were implemented during the completion of remedial work:

- **Site Security** – The Site was completely closed from public access during remedial activities by locking gates on Park Avenue and East 168th Street. Security turnstiles were installed to ensure no unauthorized personnel were able to access the Site. During some work activities, the entrance gate was open, but use was restricted to authorized personnel and pedestrians were restricted from entering the Site. A security guard was stationed at the Site entrance following the completion of work each day and on weekends.
- **Job Site Record Keeping** – Job site record keeping was appropriately documented during the completion of all phases of the remedial work by taking notes in dedicated field books, filling out appropriate sampling log sheets, taking digital photographs, and collecting available copies of disposal or material specification documentation from contractors completing the remedial work.
- **Erosion and Sediment Controls** – Erosion and sediment controls included a stabilized construction pad at truck entrances/exits, equipment decontamination, drainage inlet protection, and dust suppression using hoses connected to a fire hydrant. Routine inspections, repairs, and maintenance of control measures were completed in a timely fashion to maintain the controls in proper working order. All vehicles leaving the Site were inspected to ensure that no soil adhered to the wheels or undercarriage of the vehicles leaving the Site. No situations occurred involving material spilled in transit and all mud and dust tracked off-site was promptly cleaned up. The access routes were inspected for road conditions, overhead clearance, and weight restrictions. No erosion or sedimentation problems occurred during performance of the remedial work.
- **Equipment and Material Staging** – Staging and storage of equipment and materials were contained within the secured Site trailer or on-site locking storage sheds during completion of the remedial work. Site machinery was shut down and locked on-site at the end of each work day.

- **Soil Screening Results** – During remedial excavation, elevated PID readings, petroleum-like odors, and staining were observed in soil encountered in the southwestern portion of Grid A2 at approximately 10 to 16 feet below sidewalk grade, with a maximum PID reading of 80 ppm. The contaminated soil was excavated and stockpiled on and covered with plastic sheeting until it could be properly disposed of at a permitted facility. Based on the waste characterization analytical results, the contaminated soil was disposed of at Capital Development in East Bangor, Pennsylvania. In addition, two 550-gallon gasoline USTs and one 100-gallon water tank were removed during remedial excavation from Grids A1 and A2 (located approximately 5 feet below sidewalk grade). During removal activities of the two 550-gallon USTs, one tank rotated and spilled oil/water and sludge from the tank onto on-site soil in Grid A1. AKRF reported the spill to NYSDEC, and NYSDEC assigned Spill No. 1805320. All petroleum-contaminated soil was excavated and stockpiled on and covered with plastic sheeting until it could be properly disposed of at a permitted facility. Based on the waste characterization analytical results, the contaminated soil was disposed of Capital Development. A PBS Application was submitted to NYSDEC by the Applicant in September 2018 to properly register and close-out the tanks. A PBS facility ID was not assigned to the Site because the total storage capacity of the USTs was 1,100-gallons. See Appendix G for PBS documentation.
- **Equipment Decontamination Procedures** – All soil sampling equipment was either dedicated or decontaminated between sampling locations. The equipment decontamination procedure included: scrubbing using tap water/Simple Green®/Alconox® mixture and bristle brush; rinsing with tap water; scrubbing again with tap water; scrub again with tap water/ Simple Green®/Alconox® and bristle brush; rinse with tap water; rinse with distilled water; and air-dry the equipment when possible. Equipment decontamination was conducted on plastic sheeting that was bermed to prevent discharge to the ground.
- **Stockpile Methods** – Excavated materials were screened continuously for the presence of contamination during all earth work. Material was separated by waste streams (i.e., disposal facility) and construction wastes. Excavated materials were segregated (based on field screening results) and placed on, and covered with, polyethylene sheeting pending off-site disposal at the appropriate receiving facility.

4.2.5 Nuisance Controls

- **Truck Wash and Egress Housekeeping** – Egress points for truck and equipment transport from the Site were kept clean of dirt and other materials during remedial work using hoses connected the fire hydrants on Park Avenue and East 168th Street via a reduced pressure zone (RPZ) valve. Material transported by trucks exiting the Site was secured with tight-fitting covers. All trucks were washed prior to leaving the Site.
- **Dust Control** – Dust was monitored using hand held particulate monitoring equipment on a roving basis and at a downwind fixed monitoring station. The fixed station was capable of using radio telemetry to send real time alarms to field personnel if the CAMP air monitoring action levels were exceeded. Dust suppression necessitated by soil removal, demolition work, cutting concrete, and chopping bedrock was achieved through the use of hoses capable of spraying water directly onto excavations and temporary staging areas.

- **Odor Control** – Odors were monitored within the work zone and community via olfactory inspection and with a PID. Petroleum-like odors were encountered in soil uncovered in the southwestern portion of Grid A2 at approximately 10 to 16 feet below sidewalk grade. Petroleum-like odors were also encountered in soil uncovered in the southern portion of Grid A1 at approximately 5 feet below sidewalk grade, related to NYSDEC Spill No. 1805320. This spill was reported to NYSDEC on August 15, 2018 and closed on August 16, 2018. In each case, the odors diminished to undetectable levels as the soil was excavated, stockpiled, and covered with plastic sheeting. Work zone and community air monitoring indicated that odor control techniques were not necessary during the excavation of material.
- **Truck Routing** – Truck routes were established as part of the RAWP. Trucks entering the Site took Exit 2B from I-95 N/I-278 E, turned right onto Webster Avenue, turned left onto Claremont Parkway, turned right onto Washington Avenue, turned right onto East 167th Street, and turned right onto Park Avenue. Trucks exiting the Site headed west on East 168th Street, turned right onto Webster Avenue, and kept left to merge onto the Cross Bronx Expressway ramp to US 1 South/George Washington Bridge.
- **Complaints Response** – A dust complaint was filed by a tenant of the east-adjacent building located at 454 East 168th Street with the New York City Department of Health (NYCDOH) on September 7, 2018. NYCDOH tested the dust within the tenant's apartment using dust wipe sampling methods and found elevated lead concentrations, and issued an Order mandating that the landlord of the east-adjacent building clean the dust in the tenant's unit. AKRF forwarded a copy of the complaint to NYSDEC and provided air monitoring results from CAMP monitoring conducted that day. The air monitoring data indicated no exceedances of the CAMP VOC or particulate thresholds. AKRF had a conference call with NYSDEC and NYSDOH regarding the dust complaint. Based on the regulatory agency's review of the CAMP monitoring data for the 3500 Park Avenue site and the NYCDOH report, it was concluded that the paint in the tenant's unit was the likely source of the lead dust. As such, NYSDEC and NYSDOH did not require any further action with respect to the 3500 Park Avenue Apartments site, other than what was already required under the BCP.

4.2.6 CAMP Results

Community air monitoring was performed for VOCs and particulate matter at one fixed monitoring station at the perimeter of the Site during all remedial activities. The station location was adjusted daily depending upon wind conditions, planned work locations, and accessibility to the station. The CAMP station was primarily located along the northern Site boundary in Grids A1, B1, or C1 based on planned work locations; however, it was relocated to Grids B2 and C2 in the location of the exterior courtyard due to access restrictions during the building superstructure construction. Approximate CAMP station locations and alphanumeric grid are shown on Figure 6.

Occasional incidental exceedances of particulate action levels were detected during the course of excavation, however, none were sustained throughout the work day. When particulate action level exceedances occurred, the work was halted, when appropriate, and water was sprayed using a fire hose connected to a hydrant capable of spraying water directly onto the visible dust. Once water was applied to the visible dust emissions, the dust and particulate readings subsided.

Exceedances of VOC action levels were detected on: July 5, 2018; December 10, 20, and 31, 2018; February 1, 6, 11, and 13, 2019; and March 4, 2019. The majority of exceedances were caused by exhaust and fumes from idling or refueling vehicles and machinery near the CAMP stations and equipment malfunction, including the PID clogged with debris or dust (the PID recorded abnormally elevated readings). In cases where the PID registered elevated readings with no known or observed cause, roving equipment was utilized around the CAMP stations to confirm that the readings were not valid and VOC levels were below the action levels. When VOC exceedances occurred, work was halted until the VOC source could be identified. Nearby machinery and vehicles were relocated from the CAMP stations as necessary. Once odors and VOC readings subsided to within background conditions, work was allowed to continue. Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix D.

4.2.7 Reporting

Daily Reports – Daily reports were submitted to the NYSDEC project manager throughout the duration of the remedial action in accordance with the approved RAWP. The daily reports included an update of progress made during the reporting day, locations of work and quantities of material imported and exported from the Site, references to alphanumeric map for Site activities, a summary of CAMP finding, including exceedances, an explanation of notable Site conditions, photographs, and fixed monitoring station data.

Monthly Reports – Monthly reports were submitted to the NYSDEC project manager continuously throughout the duration of the remedial action. The monthly reports included a description of activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e., tons of material exported and imported, etc.), a description of approved activity modifications, including changes of work scope and/or schedule, sampling results received following internal data review and validation, as applicable, and an update of the remedial schedule including the percentage of project completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays.

All daily and monthly reports are included in electronic format in Appendix E.

The digital photo log required by the RAWP is included in Appendix F.

4.3 Contaminated Materials Removal

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The contaminated materials removal portion of the remedial program set out to restore the Site to pre-disposal conditions to the extent practicable based on existing conditions. At a minimum, the remedy was established to eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the Site through the proper application of scientific and engineering principles.

The contaminated materials removal portion of the remedial program was based on a Restricted Residential Track 2 Cleanup with a potential Track 4 Cleanup, as established in the RAWP and NYSDEC Decision Document. Contaminated soil exceeding RRSCOs was excavated and removed within the upper 15 feet below grade on the western portion of the Site, resulting in a Track 2 cleanup. Contaminated soil exceeding RRSCOs was excavated and removed to a maximum depth of 7 feet below grade on the eastern portion of the Site, resulting in a Track 4 cleanup.

The UUSCOs, RRSCOs and Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) for the contaminants of concern for this project are included in Tables 1, 2 and 3, respectively. The location of original sources and areas where excavations were performed is shown on Figure 7. A total of 11,373.82 tons of non-hazardous soil were removed from the Site and transported for off-site disposal at the appropriate soil disposal receiving facilities. Copies of soil disposal manifests are included in Appendix J. All contaminated soil was removed in accordance with the RAWP and Decision Document. Asphalt and construction and demolition debris from the former parking lot was disposed of with soil/fill during foundation excavation activities. The soil excavation and removals performed as part of the remedy are described in Section 4.3.2.

In-text Table 1 under Section 4.3.3 shows the total quantities of each category of material removed from the Site and the disposal locations.

4.3.1 Spill and Tank Closure and Removal

One previously unknown 100-gallon water tank and two 550-gallon gasoline USTs were encountered during remedial activities. In addition, NYSDEC Spill No. 1805320 was assigned to the Site during excavation activities. The former tank locations are indicated on Figure 7. The PBS Registration and tank closure documents are included in Appendix G.

Details of the tank closure and removal activities that occurred during the remedial activities included the following:

- On June 28, 2018, an unknown 100-gallon water storage tank and associated piping were encountered in the southwestern portion of the Site within Grid A2 at approximately 6 feet below grade (UST-1). The tank was observed to be intact and empty. No evidence of contamination (e.g., staining, odors, and elevated PID readings) was observed within the soil beneath the tank. The tank was placed on and covered with plastic until it could be cleaned and disposed of by a New York City (NYC)-licensed contractor.

  On June 28 and 29, 2018, AKRF collected six endpoint soil samples (one from each of the four sidewalls, one from the tank grave bottom, and one from beneath associated piping). The sidewall and piping samples were collected at approximately six feet below grade and the bottom sample was collected at approximately eight feet below grade. Soil samples were analyzed by SGS North America (SGS) of Dayton, New Jersey for target compound list (TCL) VOCs, TCL SVOCs, pesticides, PCBs, and Target Analyte List (TAL) metals with Category B deliverables. The laboratory analytical results indicated that several polycyclic aromatic hydrocarbons (PAHs) [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene] were detected at concentrations ranging from 0.332 mg/kg to 1.72 mg/kg, above their respective RRSCOs. No other analytes were detected above the RRSCOs.

  On July 18, 2018, ABC Fuel Oil Cleaners (ABC) mobilized to the Site to clean and remove the previously unknown 100-gallon water storage tank discovered in Grid A2 on June 26, 2018. ABC cleaned the tank hull and associated piping, and filled two 55-gallon drums with sludge associated with the tank and piping. ABC removed the tank and piping from the Site and disposed of approximately 1,900 pounds of scrap metal at DBA Standard Scrap Iron & Metal located in Brooklyn, New York.

- On August 6, 2018, AKRF observed petroleum-like staining and slight petroleum-like odors during excavation of soil from 10 to 15 feet below grade in the southwestern portion of Grid A2. AKRF screened the stained soil with a PID and reported a maximum reading of 50.6 ppm. The stained soil was segregated and stockpiled on and covered with poly sheeting in Grids B2 and A2.

  On August 7, 2018, AKRF collected waste characterization soil samples from the segregated stockpile in Grid A2. The samples were submitted to SGS for analysis of TCL VOCs + 10 tentatively identified compounds (TICs), TCL SVOCs + 20 TICs, Total Petroleum Hydrocarbons (TPH), Gasoline Range Organics (GRO) and Diesel Range Organics (DRO), PCBs, pesticides, herbicides, hexavalent and trivalent chromium, TAL metals, Toxicity Characteristic Leaching Procedure (TCLP) Resource Conservation and Recovery Act (RCRA) 8 metals + copper, nickel, zinc, mercury, total sulfur and cyanide, ignitability, corrosivity, reactivity, and extractable petroleum hydrocarbons (EPH).

  On August 14, 2018, AKRF received the analytical results from the August 7, 2018 waste characterization sampling event. Despite the olfactory indications of contamination, the analytical results were consistent with previous waste characterization sampling events and all stockpiled soil could be disposed of according to the existing disposal facility approval letter. In addition, AKRF collected a post-excavation endpoint soil sample (EP-A2(16)20180926) from approximately 16 feet below sidewalk grade, the deepest portion of the petroleum-contaminated excavation area in Grid A2. The sample was submitted to SGS for analysis of TCL VOCs, TCL SVOCs, PCBs, TCL pesticides, and TAL metals under Category B deliverables. In addition, one trip blank, one field blank, one matrix spike/matrix spike duplicate, and one blind duplicate were collected. The laboratory analytical results indicated that mercury was detected at a concentration of 1.0 mg/kg, above the RRSCO of 0.81 mg/kg. However, as excavation was conducted to 16 feet below grade and no source was identified, no further excavation was warranted under the Track 2 remedy.

- On August 7, 2018, two 550-gallon gasoline USTs encased in concrete at the border of Grids A1 and A2 were encountered at approximately 5 feet below grade ("UST-2" and "UST-3"). The foundation subcontractor carefully broke the concrete around the two USTs to uncover the UST hulls. Upon inspection, the USTs were observed to contain residual liquid and remained intact with no signs of holes or pitting and the surrounding soil did not exhibit any signs of a release, including staining, petroleum-like odors, or elevated PID readings. The two USTs remained in place and were covered with plastic sheeting at the end of the work day. On August 15, 2018, the tank removal subcontractor, Brookside Environmental (Brookside), pumped out oily water from UST-2 and UST-3. Following pumping, Moncon attempted to move the one of the two USTs. During the attempted UST relocation, the tank rotated and oily water and sludge from the tank spilled onto on-site soil in Grid A1. Moncon immediately placed the UST back in its original location adjacent to the spilled sludge and the remaining UST in Grid A1. AKRF reported a spill to the NYSDEC spill hotline and NYSDEC Spill No. 1805320 was assigned. Moncon excavated and stockpiled the petroleum-contaminated soil associated with the spill in Grid A1 on top of poly sheeting.

  On August 15, 2018, AKRF collected waste classification soil samples from the petroleum-contaminated soil stockpile (associated with NYSDEC Spill No. 1805320).

The samples were submitted to SGS for analysis of TCL VOCs + 10 TICs, TCL SVOCs + 20 TICs, TPH GRO and DRO, PCBs, pesticides, herbicides, hexavalent and trivalent chromium, TAL metals, TCLP RCRA 8 metals + copper, nickel, zinc, mercury, total sulfur and cyanide, ignitability, corrosivity, reactivity, and EPH.

On August 17, 2018, Brookside pumped out the remaining liquids within UST-2 and UST-3 staged in Grid A1. Brookside removed 429 gallons of an oily/water mixture and one 55-gallon drum containing approximately 250 pounds of sludge from UST-2 and UST-3. All materials were disposed of at Clean Water of New York, Inc. in Staten Island, NY. Following pumping, Brookside cut and cleaned UST-2 and UST-3 and removed the tank hulls from the Site and disposed of approximately 2,200 pounds of scrap metal at T&T Scrap LLC located in Brooklyn, New York. Brookside completed a FDNY tank removal affidavit and submitted a Petroleum Bulk Storage Application to NYSDEC on August 17, 2018.

Following the UST removals, AKRF collected endpoint samples from each of the four side walls at approximately 8 feet below grade and at the bottom of the tank graves/extent of the petroleum-contaminated soil associated with NYSDEC Spill No.1805320, approximately 10 feet below grade. The samples were submitted to SGS for analysis of TCL VOCs, TCL SVOCs, TCL pesticides, PCBs, and TAL metals. In addition, one trip blank, one field blank, one matrix spike/matrix spike duplicate, and one blind duplicate sample were collected. On August 21, 2018, AKRF collected one additional endpoint sample from the bottom of the tank graves/extent of the spill at approximately 10 feet below grade and submitted it with the same sample delivery group to SGS. The laboratory analytical results indicated that all compounds were detected at concentrations below RRSCOs.

The exceedances of UUSCOs and RRSCOs were likely associated with the fill material observed around the tanks, and not indicative of a release or spill.

As part of the BCP remediation work, NYSDEC was notified of tank removal activities as they occurred. All tanks were registered in the NYSDEC PBS database following removal. Spill and UST closure and removal documentation, including waste disposal manifests, is provided in Appendix G.

4.3.2 Soil Excavation and Removal

A summary of the waste characterization soil samples and associated analytical results, are included in the Waste Characterization Report attached as Appendix H.

Letters from the Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix I.

Manifests and bills of lading are included in electronic format in Appendix J.

4.3.2.1 Waste Characterization Sampling

On May 1, 2018, AKRF personnel oversaw the installation of six soil borings (WC-A1, WC-A2, WC-B1, WC-B2, WC-C1, WC-C2) using a Geoprobe® direct push probe. The borings were advanced between approximately 5 and 15 feet bgs, consistent with the anticipated excavation locations and depths at each location. The soil borings were arranged in an evenly spaced pattern across the Site with soil samples collected at an approximate frequency of one sample per 800 cubic yards to obtain representative samples for laboratory analysis of the soil requiring off-site disposal. Three soil borings, SB-A1,

SB-A2, and SB-B1, located in the western and northwestern portions of the Site, were advanced to a depth of 15 feet below grade; one soil boring, SB-C2, located in the northeastern portion of the Site, was advanced to 10 feet below grade; and two soil borings, SB-B2 and SB-C2, located in the southern and southeastern portions of the Site, were advanced to 5 feet below grade. Two sets of samples (one discrete and one five-point composite) were collected from soil borings SB-A1, SB-A2, SB-B1, and SB-C1. At SB-A1, SB-A2, SB-B1, one set of samples was collected from approximately 0 to 10 feet below grade and the second set of samples was collected from approximately 10 to 15 feet below grade. At SB-C1, one set of samples was collected from approximately 0 to 5 feet below grade and a second set of samples from approximately 5 to 10 feet below grade. For the remaining soil borings, only one set of samples was collected from approximately 0 to 5 feet below grade. The grab samples were analyzed for VOCs and TPH and the composite samples were analyzed for SVOCs, TAL metals, trivalent chromium, TCLP RCRA metals, PCBs, pesticides, EPH, hexavalent chromium, ignitability, reactivity, corrosivity, total sulfur, and total cyanide. The waste characterization samples were analyzed by American Analytical Laboratories of Farmingdale, New York, a NYSDOH Environmental Laboratory Accreditation Procedure (ELAP)-certified laboratory.

Analytical results included the following:

- No VOCs were detected above the UUSCOs.
- The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and/or indeno(1,2,3-cd)pyrene were each detected in one or more soil samples above their respective UUSCOs. Most of the SVOC exceedances consisted of PAHs, a class of SVOCs found in some petroleum products, coal ash, asphalt, and in other combustion products that are commonly identified in historic fill. Historic fill was observed in each of the soil borings.
- The pesticides 4,4'-DDD and 4,4'-DDE were each detected in one or more soil samples at concentrations above their respective UUSCOs. No other pesticides were detected above UUSCOs.
- PCBs were not detected in any of the soil samples.
- The metals lead, hexavalent chromium, mercury, and zinc were each detected in one or more of the soil samples above the UUSCOs. No samples analyzed for TCLP metals were identified at or above the EPA hazardous waste thresholds.

The laboratory analytical results were submitted to the soil broker, All Suffolk Materials, Inc., to obtain approvals from disposal facilities prior to excavation of the soil and fill material. The complete waste characterization report is provided in Appendix H.

Following soil disposal facility applications submittals by the soil broker, Material Solutions Services (MSS), the proposed soil disposal facility, Capital Quarry Reclamation Project facility of East Bangor, Pennsylvania, rejected an approximate 10 foot by 15 foot area of soil from 4 to 6 feet below grade in Grid A1 due to elevated PAHs found in soil sample SB-1 (4-6) 051116, collected during the May 2016 RI sampling event. On July 10, 2018, Moncon excavated nine test pits in the northwestern portion of Grid A1, in the vicinity of SB-1 (4-6) 051116, from grade to approximately 8 feet below grade to delineate elevated PAHs found during the RI. A representative from MSS collected 13 soil waste characterization samples from the test pits at varying intervals from approximately 3 to 8 feet below grade. Soil samples were submitted to Chemtech Laboratory of Mountainside,

New Jersey and were analyzed for SVOCs by EPA Method 8270. Proper measures were followed to ensure the sampling equipment was decontaminated prior to each soil sample collection.

On July 23, 2018, AKRF was provided with the laboratory report and associated approval letter from the Bayshore Soil Management disposal facility located in Keasby, New Jersey. The approval stated that Bayshore will accept soil that was characterized by MSS in the northwestern portion of Grid A1 (3 to 7 feet). The laboratory analytical results are provided in Appendix H.

4.3.2.2 Non-Hazardous Soil Disposal Facility Approval

Based on the results of the waste characterization soil sampling events, permitted disposal facilities were selected to receive soil excavated from the Site. Waste profiles were prepared and submitted to the following disposal facilities: Capital Quarry Reclamation Project facility of East Bangor, Pennsylvania (PA clean fill) and Bayshore Soil Management, LLC facility of Keasby, New Jersey (urban fill). The approval letters were submitted to NYSDEC in June and July 2018.

All waste profiles and approval letters from the facilities used to dispose of soil from the Site are enclosed as Appendix I.

4.3.2.3 Non-Hazardous Soil Excavation and Removal

After securing the formal approvals from the selected waste disposal facilities, remedial excavation was initiated in June 2018 in accordance with the NYSDEC-approved RAWP. A Site plan showing the remedial excavation areas is provided on Figure 7.

Non-hazardous waste disposal manifests for soil are attached and included in electronic format in Appendix J.

4.3.2.3.1 Non-Hazardous Soil Excavation

Between June 12, 2018 and January 24, 2019, 11,373.82 tons of non-hazardous soil were excavated to a maximum depth of 22 feet below sidewalk grade. Approximately 11,346.84 tons of non-hazardous soil were excavated from Grids A1, A2, B1, B2, C1, and C2, to depths of 22 feet below grade and were transported off-site to Capital Quarry Reclamation facility in East Bangor, Pennsylvania. Approximately 26.98 tons of non-hazardous soil were excavated from the northwestern portion of Grid A1 to depths between 3 to 7 feet below grade and were transported off-site to the Bayshore Soil Management, LLC facility in Keasby, New Jersey.

4.3.2.4 Petroleum Contaminated Soil Sampling and Disposal

On August 7, 2018, AKRF collected waste characterization soil samples from the segregated stockpile of petroleum-like odorous and stained soil in Grid A2 from 10 to 15 feet below grade. The samples were submitted to SGS for analysis of TCL VOCs + 10 TICs, TCL SVOCs + 20 TICs, TPH GRO and DRO, PCBs, pesticides, herbicides, hexavalent and trivalent chromium, TAL metals, TCLP RCRA 8 metals + copper, nickel, zinc, mercury, total sulfur and cyanide, ignitability, corrosivity, reactivity, and EPH.

On August 14, 2018, AKRF received the analytical results from the August 7, 2018 waste characterization sampling event. Despite the olfactory indication of contamination, the analytical results were consistent with previous waste characterization sampling events and

all stockpiled soil could be disposed of according to the existing disposal facility approval letter. On October 16, 2018, 29.2 tons of the petroleum-contaminated soil were disposed of at the Capital Development facility in East Bangor, Pennsylvania.

The petroleum-contaminated soil was excavated to approximately 10 feet below sidewalk grade, until no field evidence of contamination was observed. The soil was stockpiled on and covered with plastic sheeting pending approval at a permitted facility. On August 18, 2018, AKRF collected additional samples from the petroleum-contaminated soil stockpiles associated with NYSDEC Spill No. 1805320, described in Section 4.3.1. The petroleum-contaminated soil was excavated and stockpiled from the UST-2 and UST-3 tank graves and spill area in Grid A1 in the 5 to 10-foot interval to obtain representative samples for laboratory analysis of the soil requiring off-site disposal.

One grab sample was collected from the petroleum-contaminated soil stockpile. One five-point composite sample was collected from the petroleum-contaminated soil stockpile, which was excavated from approximately 5 to 10-foot interval. The soil samples were submitted to SGS for analysis of TCL VOCs + 10 TICs, TCL SVOCs + 20 TICs, TPH GRO and DRO, PCBs, pesticides, herbicides, hexavalent and trivalent chromium, TAL metals, TCLP RCRA 8 metals + copper, nickel, zinc, mercury, total sulfur and cyanide, ignitability, corrosivity, reactivity, and EPH.

Samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with EPA protocols and the New Jersey Department of Environmental Protection (NJDEP) Field Sampling procedures manual to satisfy requirements for disposal of Site soil in New Jersey.

Analytical results included the following:

- Four VOCs (benzene, ethylbenzene, toluene, and total xylenes) were detected above their respective UUSCOs.
- SVOCs, pesticides, and PCBS were not detected above their respective UUSCOs.
- The metals lead, mercury, and zinc were each detected in the composite soil sample above the UUSCOs. No samples analyzed for TCLP metals were identified at or above the EPA hazardous waste thresholds.

On August 21, 2018, AKRF received an updated approval letter from the Capital Development disposal facility located in East Bangor, Pennsylvania stating that Capital Development will accept soil from the petroleum-contaminated soil stockpiles associated with NYSDEC Spill No. 1805320 characterized by AKRF on August 15, 2018. On September 19, 2018, 27.51 tons of the petroleum-contaminated soil were disposed of at the Capital Development facility in East Bangor, Pennsylvania.

The waste characterization results are included in Appendix H.

4.3.3 Off-Site Disposal Summary

In-Text Table 1 lists the total quantity of material removed from the Site at each disposal facility.

In-Text Table 1
Waste Disposal Summary

Waste Stream	Disposal Facility	Quantity Disposed	Disposal Dates*
Petroleum-contaminated water from USTs	Clean Water of New York, Inc. Staten Island, NY	429 gallons	8/15/2018
Petroleum-contaminated solids/sludge from USTs	Clean Water of New York, Inc. Staten Island, NY	1,250 pounds	8/17/2018 and 9/19/2018
Non-Hazardous Soil (PA Clean Fill), C&D Debris, and Petroleum Contaminated Soil	Capital Quarry Reclamation Project East Bangor, PA	11,346.84 tons	6/20/2018-1/24/2019
Elevated PAH Soil	Bayshore Soil Management, Keasby, NJ	26.98 tons	7/26/2018
Two 550-Gallon USTs	TNT Scrap Metal Brooklyn, NY	2,220 pounds	8/17/2018

Notes: *Disposal dates are dates the material left the Site.
UST – underground storage tank
PAH – polycyclic aromatic hydrocarbons

A complete outgoing truck tracking log with transporter information, grid locations for soil removal/net soil tonnage of each truck is included in Table 5.

4.4 Remedial Performance/Documentation Sampling

In accordance with the NYSDEC-approved RAWP, confirmatory endpoint samples were collected to document concentrations of contaminants of concern in soil left in place following the remedy. Based on NYSDEC Division of Environmental Remediation (DER)-10 Section 5.4, samples were collected at the approximate locations identified in the RAWP. All confirmatory endpoint samples were indicated with "EP", the approximate depth below grade, and the date on which they were collected in the sample name. Additionally, endpoint samples consisting of sidewall and bottom samples were obtained from the bottom and sidewalls of tank excavations. Samples collected from tank excavations were indicated with "UST", the approximate depth below grade, and the date on which they were collected in the sample name. The endpoint sample of the petroleum-like odorous and stained soil excavated from 10 to 15 feet below grade in the southwestern portion of Grid A2 was indicated as "EP-A2".

Nineteen post-excavation endpoint samples were collected Site-wide to confirm the attainment of Track 2 RRSCOs. In-Text Table 2 identifies each endpoint sample location, the associated sample depth, and whether any exceedances of UUSCOs or RRSCOs were detected. The analytical results indicated that all concentrations in endpoint samples EP-1 through EP-8 were below the RRSCOs. Exceedances of the RRSCOs were detected at samples EP-2(15), EP-A2(16), all endpoint samples related to UST-1, UST-2 and UST-3; however, Track 2 was met, since excavation extended down to at least 15 feet below sidewalk grade and the contaminated soil exceeding RRSCOs below 15

feet below grade were not identified as source material. Endpoint samples EP-9 through EP-18 were collected at varying depths ranging from 2 to 10 feet below sidewalk grade; however, several SVOCs and metals were detected at concentrations above the RRSCOs. Additional excavation was not feasible in these areas, thus, these endpoint samples created the boundaries for the Track 4 Cleanup portion of the Site.

In-Text Table 2
Post-Excavation Endpoint Sample Summary

Endpoint Sample ID	Sample Depth (feet below sidewalk grade)	Exceeds UUSCOs (Yes/No)	Exceeds RRSCOs (Yes/No)	BCP Cleanup Track Area (2/4)
EP-1	15	No	No	Track 2
EP-2	15	Yes	Yes	Track 2
EP-3	22	Yes	No	Track 2
EP-4	15	Yes	No	Track 2
EP-5	15	No	No	Track 2
EP-6	20	Yes	No	Track 2
EP-7	13	Yes	No	Track 2
EP-8	11	Yes	No	Track 2
EP-9	7	Yes	Yes	Track 4
EP-10	5	Yes	Yes	Track 4
EP-11	5	Yes	Yes	Track 4
EP-12	3	Yes	Yes	Track 4
EP-13	10	Yes	Yes	Track 4
EP-14	10	Yes	No	Track 4
EP-15	5	Yes	Yes	Track 4
EP-16	2	Yes	No	Track 4
EP-17	2	Yes	Yes	Track 4
EP-18	2	Yes	Yes	Track 4
EP-A2	16	Yes	No	Track 2

All final post-excavation endpoint samples within the Track 2 BCP cleanup boundary were either collected from approximately 15-16 feet below sidewalk grade or there were no exceedances of Track 2 RRSCOs. The depths were confirmed by an endpoint sample survey conducted by Empire State Layout, Inc. It is noted that the SVOC indeno(1,2,3-c,d)pyrene was detected at a concentration of 0.577 mg/kg, above the RRSCO of 1 mg/kg in endpoint sample EP-2. However, as this area was excavated down to 15 feet below sidewalk grade, no further excavation was required. Endpoint sample location coordinates and elevations are presented in Appendix K.

Eleven endpoint samples were collected from beneath the 3 tanks encountered: 4 sidewall samples at approximately 6 feet bgs and two bottom samples at approximately 8 feet bgs the tank grave under the 100-gallon water holding UST in Grid A2; and 4 sidewall samples at approximately 8 feet bgs and one bottom sample at approximately 10 feet bgs from the tank grave of the two 550-gallon gasoline USTs in Grid A1. While some tank excavation endpoint samples exceeded the UUSCOs and/or RRSCOs, the exceedances of UUSCOs and RRSCOs were likely associated with

the fill material observed around the tanks and not indicative of a release or spill. Following confirmation of endpoint sample analytical results, NYSDEC Spill No. 1805320 was closed by NYSDEC on August 16, 2018. Although there was no additional evidence of contamination, soil surrounding the tanks was further excavated as part of the Site-wide remedy and disposed of off-site at the designated facility.

AKRF field-screened all endpoint sample locations with a calibrated PID for VOCs, prior to sample collection. No elevated PID readings above background ranges were observed at any endpoint sampling location.

All endpoint samples were collected in laboratory supplied glassware and relinquished under standard chain-of-custody protocol to SGS. Confirmation and tank endpoint samples were submitted for laboratory analysis of VOCs by EPA Method 8260, PAHs by EPA Method 8270, Pesticides by EPA Method 8081, PCBs by EPA Method 8082, and TAL metals by EPA Method 6000/7000 series using Category B deliverables. In accordance with the QAPP, one trip blank, one field blank, one blind duplicate sample, and one matrix spike/matrix spike duplicate (MS/MSD) were collected per every 20 samples or sample digestion group (SDG) and submitted for analysis during the endpoint sampling events. The field blank(s), blind duplicate(s), and MS/MSD(s) included all of the parameters included in the sample analysis while the trip blank was limited to VOCs. Post-excavation soil endpoint sample results are summarized in attached Tables 6a through 6e, and all exceedances of the UUSCOs and/or RRSCOs are shown on Figures 8A and 8B. Tank and spill soil endpoint sample results are summarized in Tables 7a through 7e and exceedances of the UUSCOs and/or RRSCOs are shown on Figure 9.

A qualified data validator (third-party) reviewed all post-excavation and tank endpoint sample laboratory reports and prepared Data Usability Summary Reports (DUSRs). The third-party data validator's overall assessment indicated the data generated were of acceptable quality. The DUSR identified additional qualifiers for specific compounds for specific samples. These qualifiers have been added to the data summary tables. Full laboratory analytical results and DUSRs are provided in electronic format in Appendix L.

4.5 Imported Backfill

Between June 22, 2018, and April 10, 2019, approximately 75 tons of 1½-inch crushed stone and 295 tons of ¾-inch crushed stone were imported from Braen Stone Company Sparta Quarry, located in Sparta, New Jersey. Approximately 700 tons of ¾-inch RCA were imported from T.M. Maintenance, in Staten Island, New York. Between September 3, 2019 and September 11, 2019, approximately 180 cubic yards of clean fill were imported to the Site from 284 Aggregates, LLC of Sussex, New Jersey.

The clean fill was sampled in accordance with the frequency included in Table 5.4(e)10 of DER-10. Import samples were collected in laboratory supplied glassware and relinquished under standard chain-of-custody protocol to SGS. Import samples were submitted for laboratory analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides by EPA Method 8081, PCBs by EPA Method 8082, TAL metals by EPA Method 6000/7000, 1,4-Dioxane by EPA Method modified 8260C Selective Ion Monitoring (SIM), and the standard 21 compound list for PFOA and PFOS compounds by EPA modified Method 537. The laboratory analytical results indicated that there were no exceedances of the Part 375 PGWSCOs, UUSCOs, or RRSCOs. Full analytical results of import soil samples are provided in Tables 8a through 8f. Laboratory analytical results for clean fill backfill are provided in Appendix M.

The crushed stone from Braen Stone was used to create the at-grade truck pad driveway on the eastern portion of the Site at the East 168th Street entrance, to stabilize machinery below grade

within the excavation, to backfill between poured concrete foundation walls and support of excavation (SOE) from excavation depth to grade along the northern and western Site boundaries, to stabilize stormwater detention elements in Grids B2 and C2, and as granular substrate for sub-slab vapor barrier/waterproofing installation. The crushed stone from T.M. Maintenance was used as granular substrate for sub-slab vapor barrier/waterproofing installation. The clean fill from 284 Aggregates was used to complete the minimum two- foot soil cap above the demarcation barrier as part of the site cover system in the Track 4 cleanup area of the Site. A summary of material imported to the Site is provided in Table 9. Braen Stone Materials Certification for 2018, 284 Aggregates mine registration certificate, T.M. Maintenance's solid waste management registration and permit, and imported stone and clean fill tickets from Braen Stone, T.M. Maintenance, and 284 Aggregates are included in Appendix M. No soil or other materials were imported to the Site during remediation.

A table of all sources and types of imported backfill with quantities for each source is shown in In-Text Table 3.

In-Text Table 3
Backfill Material Import Summary

Backfill Material	Origin Facility	Quantity Imported	Import Dates
1½-inch Stone	Braen Stone - Sparta	74.09 tons	8/6/2018 – 1/3/2019
¾-inch Stone	Braen Stone - Sparta	295.1 tons	6/22/2019 – 4/10/2019
¾-inch Stone	T.M. Maintenance – Staten Island	700 tons	8/28/2018 – 1/30/2019
Clean Fill	284 Aggregates, LLC	251.43 tons	9/2/2019– 9/11/2019

4.6 Contamination Remaining at the Site

All endpoint sample results and areas of remaining contamination (in comparison to the UUSCOs and RRSCOs for soil) are summarized below.

4.6.1 Site-Wide Soil Endpoint Analytical Results

Following excavation of soil and fill material across the Site, 19 post-excavation endpoint samples were collected (in accordance with NYSDEC DER-10 Section 5.4 and the NYSDEC-approved RAWP) at the final excavation depths (ranging from 2 to 22 feet below grade), as shown on Figures 8A and 8B. The samples were analyzed for TCL VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides by EPA Method 8081, PCBs by EPA Method 8082, and TAL Metals by EPA Method 6000/7000.

The samples were compared to NYSDEC UUSCOs and RRSCOs. Track 2 RRSCOs were attained for the cellar and deeper crawl space portions of the Site (western portion) by meeting RRSCOs at the collected endpoint samples (endpoint samples EP-1 through EP-8) or excavation extended to approximately 15 feet below sidewalk grade (see Tables 6a through 6e for details). Additionally, endpoint soil samples EP-1 (15) 20180823 and EP-5 (15) 20180823 met UUSCOs and RRSCOs.

No VOCs, pesticides, or PCBs were detected above UUSCOs in the Track 2 portion of the Site. The metals lead, hexavalent chromium, mercury, silver and/or zinc were detected in soil samples EP-2 (15) 20180823, EP-3 (22) 20180823, EP-4 (15) 20180822, EP-X (15)

20180822 [blind duplicate of EP-4 (15) 20180822], EP-6 (20) 20180823, EP-A2(16)_20190926, EP-X(16)_20190926 [blind duplicate of EP-A2(16)_20190926], EP-7_13_20181019, EP-X_13_20181019 [blind duplicate of EP-7_13_20181019], and EP-8_11_20181019 at concentrations above respective UUSCOs, but below RRSCOs. Hexavalent chromium was detected in the endpoint soil sample EP-A2(16)_20190926 at concentrations above respective UUSCOs and RRSCOs. The PAH indeno(1,2,3-cd)pyrene was detected in soil sample EP-2 (15) 20180823 at a concentration of 0.577 mg/kg, above its RRSCO of 0.5 mg/kg. Concentrations above UUSCOs and RRSCOs within the Track 2 cleanup area are shown on Figure 8A.

A Track 4 cleanup was attained for the remainder of the Site, which included the shallower portion of the crawl space and the exterior rear courtyard (endpoint samples EP-9 through EP-18) on the eastern portion of the Site. The following table shows exceedances of UUSCOs and RRSCOs within the Track 4 cleanup area. The PAHs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene, chrysene, dibenzo(a,h)anthracene, and/or indeno(1,2,3-cd)pyrene were detected in soil samples EP-9_7_20181204, EP-X_7_20181204 (blind duplicate of EP-9_7_20181204), EP-11_5_20190129, EP-13_10_20190114, EP-12_3_20190129, EP-X_3_20190129 (blind duplicate of EP-12_3_20190129), EP-15_5_20190111, EP-17_2_20190531, EP-18_2_20190531, and/or EP-X_2_20190531 (blind duplicate of EP-18_2_20190531) at concentrations above UUSCOs and/or RRSCOs. The pesticides heptachlor, 4,4'-DDD, 4,4'-DDE, and/or 4,4'-DDT were detected at concentrations (some estimated) above UUSCOs but below RRSCOs in endpoint soil samples EP-9_7_20181204, EP-X_7_20181204 (blind duplicate of EP-9_7_20181204), EP-10_5_20190129, EP-11_5_20190129, EP-12_3_20190129, EP-X_3_20190129 (blind duplicate of EP-12_3_20190129), EP-13_10_20190114, EP-14_10_20190111, EP-X_10_20190111 (blind duplicate of EP-14_10_20190111), EP-15_5_20190111, EP-17_2_20190531, EP-18_2_20190531, and/or EP-X_2_20190531 (blind duplicate of EP-18_2_20190531). Total PCBs were detected at concentrations above UUSCOs but below RRSCOs in endpoint soil samples EP-12_3_20190129 and EP-X_3_20190129 (blind duplicate of EP-12_3_20190129). The metals lead, hexavalent chromium, mercury, nickel, and/or zinc were detected in the endpoint soil samples EP-9_7_20181204, EP-X_7_20181204 (blind duplicate of EP-9_7_20181204), EP-10_5_20190129, EP-11_5_20190129, EP-12_3_20190129, EP-X_3_20190129 (blind duplicate of EP-12_3_20190129), EP-13_10_20190114, EP-14_10_20190111, EP-X_10_20190111 (blind duplicate of EP-14_10_20190111), EP-15_5_20190111, EP-17_2_20190531, EP-18_2_20190531, and/or EP-X_2_20190531 (blind duplicate of EP-18_2_20190531) at concentrations above respective UUSCOs, but below RRSCOs. The metals lead and mercury were detected in the endpoint soil sample EP-9_7_20181204 at concentrations above UUSCOs and RRSCOs.

Full results of all endpoint samples remaining at the Site after completion of Remedial Action that exceed the Track 2 RRSCOs are provided in Tables 6a through 6e. A summary of UUSCO and/or RRSCO exceedances in the Track 2 area is shown on Figure 6A. Concentrations above UUSCOs and RRSCOs within the Track 4 cleanup area are shown on Figure 8B.

4.6.2 Spill and Tank Excavation Endpoint Analytical Results

Following the removal of the three tanks encountered during remedial activities and the petroleum-contaminated soil associated with NYSDEC Spill No. 1805320 (see Section

4.3.1), 11 endpoint samples were collected from the three tank graves in accordance with the RAWP and DER-10, where applicable. These samples were analyzed for the VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, PCBs by EPA Method 8082A, Pesticides by EPA Method 8081B, and TAL Metals by EPA Method 6000/7000. Analytical results for the endpoint samples indicated that no petroleum-contaminated soil remained after the tanks and petroleum-contaminated soil were removed. Although there was no evidence of petroleum contamination following this remediation, soil surrounding the tanks and spill area were further excavated as part of the Site-wide remedy and disposed of off-site at the designated facility.

While some tank excavation endpoint samples exceeded the UUSCOs and/or RRSCOs, based on the data and field observations, the exceedances of UUSCOs and RRSCOs were likely associated with the fill material observed around the tanks and not indicative of a release or spill. Exceedances of UUSCOs and RRSCOs from the tank endpoint samples are provided in Tables 7a through 7e.

4.7 Site Cover System

A site cover system was installed in the Track 4 cleanup area. At the time of the publication of the FER, the site cover consisted of a minimum of two feet of clean fill installed above the demarcation barrier in the landscaped areas with temporary scaffolding legs along the western and northern boundaries of the rear courtyard, concrete-covered sidewalks, and the concrete building slab. A portion of the site cover system included a soil cover. The soil cover consisted of a minimum of two feet of clean fill installed above a demarcation barrier and was located on the southern portion of the Site outside of the building foundation and paved areas. The temporary scaffolding legs in the rear courtyard will be removed following completion of construction of the new building and replaced with a minimum of 2 feet of clean fill. An as-built drawing of the site cover system components are shown on Figure 10.

5.0 VAPOR BARRIER

Although not a component of the remedy, as part of the construction of the new foundation, a waterproofing membrane that also serves as a vapor barrier consisting of Grace Preprufe® 300R was installed below the cellar portion of the building slab and the elevator pit, and the 20-mil Stego® Wrap was installed below the crawl space portion of the building slab. In addition, Grace Preprufe® 160R and/or the Bituthene® system were installed vertically along the subgrade sidewalls of the building slab. During installation, all seams were lapped and taped, in accordance with the manufacturer's specifications. The vapor barrier is also serving as the demarcation barrier for the residual management zone beneath the building foundation in the Track 4 cleanup area.

As part of the Track 2 remedy, a soil vapor intrusion evaluation was completed. The evaluation included a provision for implementing actions recommended to address exposure related to soil vapor intrusion. The evaluation took into account that any on-site buildings will include a minimum 20-mil vapor barrier as an element of construction to mitigate the potential migration of vapors into the building from soil and/or groundwater. Soil vapor samples were collected approximately 12 feet below grade at the Site during the RI. Soil vapor sampling occurred at the Site prior to redevelopment when the Site remained an open-air, asphalt-paved parking lot. No indoor air samples were collected during the RI. Contaminated soil was removed and as part of the foundation construction, a vapor barrier was installed; there is no potential for vapor intrusion into the new building.

6.0 ENGINEERING AND INSTITUTIONAL CONTROLS

The following Engineering Control (EC) was installed at the Site and is required to be maintained to protect human health and the environment: site cover system. EC construction was completed in accordance with the remedy described in the NYSDEC-approved RAWP and DD. The EC will be operated and maintained at the Site in accordance with the draft SMP, which is subject to revision by NYSDEC.

6.1 Engineering Control

6.1.1 Site Cover System

Since a Track 2 remedy was achieved for the western portion of the Site, a site cover system was not required as part of the remedy for that portion of the Site. However, the Track 4 portion of the Site, which encompasses the eastern portion of the crawl space and an exterior rear courtyard, required a site cover system.

Exposure to remaining contamination in soil/fill at the Track 4 portion of the Site is prevented by a site cover system. This site cover system is comprised of a minimum of two feet of clean fill above the demarcation barrier in the landscaped areas, concrete-covered sidewalks, and the concrete building slab. The two feet of clean fill includes imported soil that complies with the lower of the protection of groundwater or the protection of public health SCOs for restricted residential use, as outlined in 6 NYCRR Part 375-6.7(d) and table 375-6.8(b), in accordance with the requirements stated in Section 6.4.9 of the NYSDEC-approved RAWP. Figure 10 includes as-built cross sections for each cover type used on the Site and the location of each cover type built at the Site. An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual contamination are disturbed, is provided in Appendix B of the SMP.

6.2 Institutional Controls

The Site remedy requires placement of an EE on the Site to: (1) implement, maintain and monitor the ECs; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to Restricted Residential, Commercial, and Industrial uses only.

The environmental easement for the Site was executed by the Department on October 2, 2019, and filed with the NYC office of City Register on October 29, 2019. The County Recording Identifier number for this filing is 2019000351990. A copy of the easement and proof of filing is provided in Appendix A.

Adherence to these ICs on the Site is required by the EE and will be implemented under the SMP. ICs identified in the EE may not be discontinued without an amendment to or extinguishment of the EE. The IC boundary is the same as the Site boundary shown on Figure 2. These ICs are:

- Compliance with the EE by the Grantee and/or the Grantee's successors and adherence of all elements of the SMP is required;
- The EC must be operated and maintained as specified in the SMP;
- The EC must be inspected and certified at a frequency and in a manner defined in the SMP;
- Data and information pertinent to Site Management for the Site must be reported at the frequency and in a manner defined in the SMP; and

- The EC may not be discontinued without an amendment or extinguishment of the Environmental Easement.

Adherence to these ICs for the Site will be mandated by the EE and will be implemented under the SMP. The Site will also have a series of ICs in the form of Site restrictions and requirements. The Site restrictions that apply to the Site include:

- In-ground vegetable gardening and farming on the Site are prohibited;
- The use of groundwater underlying the Site is prohibited without treatment rendering it safe for intended purpose;
- All future activities on the Site that will disturb the residual management zone are prohibited unless they are conducted in accordance with the soil management provisions in the SMP;
- The Site may be used for restricted residential, commercial, or industrial use(s) only, provided the long-term EC and ICs included in the SMP are employed; and
- The Site may not be used for a higher level of use, such as residential or unrestricted use, without an amendment or extinguishment of this EE.

Grantor agrees to submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access the Site at any time to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow. This statement must be certified by an expert that the NYSDEC finds acceptable.

6.3 Deviations from the Remedial Action Work Plan

The following components of the remedial actions performed at the Site can be considered a deviation from the approved RAWP:

- On December 4 and 18, 2018, Moncon demolished the stone and masonry retaining wall in Grids C1 and C2, which bordered the east-adjacent backyard of 1209-1211 Washington Avenue. During demolition of the retaining wall, some of the off-site soil spilled onto the Site in Grid C2. The off-site soil was stockpiled on top of plastic sheeting in Grid C2. AKRF informed NYSDEC of the situation via phone call on December 4, 2019. NYSDEC agreed to allow the material remain on-site as long as the off-site material was stockpiled on top of plastic sheeting and covered with plastic sheeting. AKRF conducted air monitoring and oversaw work activities during the entire duration the stockpile remained on-site. The stockpile remained covered with plastic sheeting at the end of each workday until Moncon completed installation of the replacement retaining wall. Between January 10 and 15, 2019, Moncon removed the off-site soil stockpile, temporarily staged in Grids B2 and C2 on top of plastic sheeting, and placed the soil back in its original off-site location within the southeast-adjacent property backyard, behind the newly installed replacement retaining wall on the eastern border of Grid C2.
- As all soil exceeding RRSCOs could not be excavated within the upper 15 feet across the Site, AKRF had a conference call with NYSDEC to discuss the possibility of a dual Track 2/Track 4 remedy. NYSDEC confirmed the dual Track 2/Track 4 remedy would be permissible as long as the Site was properly surveyed to illustrate the Track 2 portion from the Track 4 portion and necessary ECs and P.E certifications are implemented for the Track 4 portion of the Site. All

subsequent endpoint soil samples, EP-9 through EP-18, remained within the Track 4 Cleanup area. A copy of the site survey is included as Appendix K.

- On December 18, 2018, Moncon imported approximately 50 cubic yards of ¾-inch recycled stone to the Site and placed it as backfill outside of the foundation walls in Grids A1 and A2. Upon unloading of the stone, AKRF inspected the material and identified that the stone also contained greater than 10% fines, consistent with what would be considered a "¾-inch stone blend". AKRF notified the general contractor that the material would have to be sampled prior to import or removed and replaced with ¾-inch stone. Moncon was notified of this issue but continued backfilling activities on-site, despite numerous requests from AKRF to cease activities. On January 7, 2019, AKRF and NYSDEC had a conference call to discuss the approximately 50 cubic yards of ¾-inch stone blend. During the January 7th conference call, AKRF explained the activities that led to the placement of the ¾-inch stone blend. On January 11, 2019, AKRF and NYSDEC had a follow-up conference call where NYSDEC stated that the ¾-inch stone blend would need to be removed from its location on-site based on the fact that the material consisted of non-virgin recycled concrete aggregate stone.

  On February 5, 2019, a Notice of Violation (NOV) was issued for non-compliance with the NYSDEC-approved RAWP. On February 15, 2019, a Corrective Action Work Plan (CAWP) was submitted to NYSDEC. The CAWP outlined the procedures for removing the approximately 50 cubic yards of stone blend and replace it with material that meets the criteria outlined in the RAWP. On February 26, 2019, NYSDEC formally approved the CAWP.

  Between March 7 and 11, 2019, the foundation contractor performed the corrective actions detailed in the NYSDEC-approved CAWP. The foundation contractor excavated the approximately 50 cubic yards of backfill material outside of foundation walls from sidewalk grade down to the concrete slab (approximately 12 feet below grade) in Grids A1 and A2. The foundation contractor placed the backfill material into three 20-cubic yard roll-off containers staged on Park Avenue. The roll-off containers were transported for off-site disposal at the Capital Development Facility in East Bangor, Pennsylvania. On March 11, 2019 following removal of backfill material, the foundation contractor imported approximately 75 tons of ¾-inch virgin stone from the Braen Stone facility in Sparta, New Jersey to the Site and used it as backfill behind foundation walls in Grids A1 and A2. The virgin stone replaced the backfill material that was removed on March 7 and 8, 2019. The removal and import receipts are included in Appendix M.

With completion of the corrective action, these deviations did not materially affect achieving the remedial action objectives established for the Site.

7.0 REFERENCES

1. *Remedial Investigation Report* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., May 2016.
2. *Supplemental Remedial Investigation Work Plan (SRIWP)* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., December 2017.
3. 6 NYCRR Section 375-6: Remedial Program Soil Cleanup Objectives (SCOs), December 14, 2006.
4. NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, March 1998.
5. *Supplemental Remedial Investigation Work Plan (SRIWP)* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., December 2017.
6. *Supplemental Remedial Investigation Report (SRIR)* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., March 2018.
7. *Remedial Action Work Plan (RAWP)* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., April 2018.
8. *Spill Closure Report* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., January 2019.
9. *Corrective Action Work Plan (CAWP)* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., February 2019.
10. *Site Management Plan (SMP)* – 3500 Park Avenue, Bronx, New York, AKRF, Inc., October 2019.

TABLES

Table 1
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

	NYSDEC Part 375 UUSCOs
Volatile Organic Compounds (VOCs)	**mg/kg**
1,1,1-Trichloroethane	0.68
1,1-Dichloroethane	0.27
1,1-Dichloroethene	0.33
1,2,4-Trimethylbenzene	3.6
1,2-Dichlorobenzene	1.1
1,2-Dichloroethane	0.02
1,3,5-Trimethylbenzene (Mesitylene)	8.4
1,3-Dichlorobenzene	2.4
1,4-Dichlorobenzene	1.8
1,4-Dioxane (P-Dioxane)	0.1
Acetone	0.05
Benzene	0.06
Carbon Tetrachloride	0.76
Chlorobenzene	1.1
Chloroform	0.37
Cis-1,2-Dichloroethylene	0.25
Ethylbenzene	1
m/p xylene	NS
Methyl Ethyl Ketone (2-Butanone)	0.12
Methylene Chloride	0.05
N-Butylbenzene	12
n-propylbenzene	3.9
o-xylene	NS
Sec-Butylbenzene	11
T-Butylbenzene	5.9
Tert-Butyl Methyl Ether	0.93
Tetrachloroethene (PCE)	1.3
Toluene	0.7
Trans-1,2-Dichloroethene	0.19
Trichloroethene (TCE)	0.47
Vinyl Chloride	0.02
Xylenes (total)	0.26

Table 1
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

	NYSDEC Part 375 UUSCOs
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
Acenaphthene	20
Acenaphthylene	100
Anthracene	100
Benzo(a)Anthracene	1
Benzo(a)Pyrene	1
Benzo(b)Fluoranthene	1
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
Benzo(g,h,i)Perylene	100
Benzo(k)Fluoranthene	0.8
Chrysene	1
Dibenz(a,h)Anthracene	0.33
Fluoranthene	100
Fluorene	30
Indeno(1,2,3-c,d)Pyrene	0.5
Naphthalene	12
Phenanthrene	100
Pyrene	100
Polychlorinated Biphenyl (PCBs)	**mg/kg**
PCB-1016 (Aroclor 1016)	NS
PCB-1221 (Aroclor 1221)	NS
PCB-1232 (Aroclor 1232)	NS
PCB-1242 (Aroclor 1242)	NS
PCB-1248 (Aroclor 1248)	NS
PCB-1254 (Aroclor 1254)	NS
PCB-1260 (Aroclor 1260)	NS
Total PCBs	0.1

Table 1
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

	NYSDEC Part 375 UUSCOs
Pesticides	**mg/kg**
4,4'-DDD	0.0033
4,4'-DDE	0.0033
4,4'-DDT	0.0033
Aldrin	0.005
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02
Alpha Endosulfan	NS
Beta Bhc (Beta Hexachlorocyclohexane)	0.036
Beta Endosulfan	NS
cis-Chlordane	0.094
Delta BHC (Delta Hexachlorocyclohexane)	0.04
Dieldrin	0.005
Endosulfan Sulfate	NS
Endrin	0.014
Gamma Bhc (Lindane)	0.1
Heptachlor	0.042
RCRA 8 Metals	**mg/kg**
Arsenic	13
Barium	350
RCRA 8 Metals	**mg/kg**
Cadmium	2.5
Chromium, Total	30
Lead	63
Mercury	0.18
Selenium	3.9
Silver	2

Table 1
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Notes

Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs):
UUSCOs listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 Regulations (6 NYCRR Part 375), Table 375-6.8(a).

NS : A standard has not been established for the analyte.

mg/kg : milligrams per kilogram = parts per million (ppm)

Table 2
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives

	NYSDEC Part 375 RRSCOs
Volatile Organic Compounds (VOCs)	**mg/kg**
1,1,1-Trichloroethane	100
1,1-Dichloroethane	26
1,1-Dichloroethene	100
1,2,4-Trimethylbenzene	52
1,2-Dichlorobenzene	100
1,2-Dichloroethane	3.1
1,3,5-Trimethylbenzene (Mesitylene)	52
1,3-Dichlorobenzene	49
1,4-Dichlorobenzene	13
1,4-Dioxane (P-Dioxane)	13
Acetone	100
Benzene	4.8
Carbon Tetrachloride	2.4
Chlorobenzene	100
Chloroform	49
Cis-1,2-Dichloroethylene	100
Ethylbenzene	41
m/p xylene	NS
Methyl Ethyl Ketone (2-Butanone)	100
Methylene Chloride	100
N-Butylbenzene	100
n-propylbenzene	100
o-xylene	NS
Sec-Butylbenzene	100
T-Butylbenzene	100
Tert-Butyl Methyl Ether	100
Tetrachloroethene (PCE)	19
Toluene	100
Trans-1,2-Dichloroethene	100
Trichloroethene (TCE)	21
Vinyl Chloride	0.9
Xylenes (total)	100

Table 2
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives

	NYSDEC Part 375 RRSCOs
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
Acenaphthene	100
Acenaphthylene	100
Anthracene	100
Benzo(a)Anthracene	1
Benzo(a)Pyrene	1
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
Benzo(b)Fluoranthene	1
Benzo(g,h,i)Perylene	100
Benzo(k)Fluoranthene	3.9
Chrysene	3.9
Dibenz(a,h)Anthracene	0.33
Fluoranthene	100
Fluorene	100
Indeno(1,2,3-c,d)Pyrene	0.5
Naphthalene	100
Phenanthrene	100
Pyrene	100
Polychlorinated Biphenyl (PCBs)	**mg/kg**
PCB-1016 (Aroclor 1016)	NS
PCB-1221 (Aroclor 1221)	NS
PCB-1232 (Aroclor 1232)	NS
PCB-1242 (Aroclor 1242)	NS
PCB-1248 (Aroclor 1248)	NS
PCB-1254 (Aroclor 1254)	NS
PCB-1260 (Aroclor 1260)	NS
Total PCBs	1

Table 2
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives

	NYSDEC Part 375 RRSCOs
Pesticides	**mg/kg**
4,4'-DDD	13
4,4'-DDE	8.9
4,4'-DDT	7.9
Aldrin	0.097
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48
Alpha Endosulfan	NS
Beta Bhc (Beta Hexachlorocyclohexane)	0.36
Beta Endosulfan	NS
cis-Chlordane	4.2
Delta BHC (Delta Hexachlorocyclohexane)	100
Dieldrin	0.2
Endosulfan Sulfate	NS
Endrin	11
Gamma Bhc (Lindane)	1.3
Heptachlor	2.1
RCRA 8 Metals	**mg/kg**
Arsenic	16
RCRA 8 Metals	**mg/kg**
Barium	400
Cadmium	4.3
Chromium, Total	180
Lead	400
Mercury	0.81
Selenium	180
Silver	180

Table 2
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Notes

Part 375 Restricted Residential Use Soil Cleanup Objectives (RRSCOs):
RRSCOs listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 Regulations (6 NYCRR Part 375), Table 375-6.8(b).

NS : A standard has not been established for the analyte.

mg/kg : milligrams per kilogram = parts per million (ppm)

Table 3
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives

	NYSDEC Part 375 PGWSCOs
Volatile Organic Compounds (VOCs)	**mg/kg**
1,1,1-Trichloroethane	0.68
1,1-Dichloroethane	0.27
1,1-Dichloroethene	0.33
1,2,4-Trimethylbenzene	3.6
1,2-Dichlorobenzene	1.1
1,2-Dichloroethane	0.02
1,3,5-Trimethylbenzene (Mesitylene)	8.4
1,3-Dichlorobenzene	2.4
1,4-Dichlorobenzene	1.8
1,4-Dioxane (P-Dioxane)	0.1
Acetone	0.05
Benzene	0.06
Carbon Tetrachloride	0.76
Chlorobenzene	1.1
Chloroform	0.37
Cis-1,2-Dichloroethylene	0.25
Ethylbenzene	1
m/p xylene	NS
Methyl Ethyl Ketone (2-Butanone)	0.12
Methylene Chloride	0.05
N-Butylbenzene	12
n-propylbenzene	3.9
o-xylene	NS
Sec-Butylbenzene	11
T-Butylbenzene	5.9
Tert-Butyl Methyl Ether	0.93
Tetrachloroethene (PCE)	1.3
Toluene	0.7
Trans-1,2-Dichloroethene	0.19
Trichloroethene (TCE)	0.47
Vinyl Chloride	0.02
Xylenes (total)	1.6

Table 3
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives

	NYSDEC Part 375 PGWSCOs
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
Acenaphthene	98
Acenaphthylene	107
Anthracene	1,000
Benzo(a)Anthracene	1
Benzo(a)Pyrene	22
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
Benzo(b)Fluoranthene	1.7
Benzo(g,h,i)Perylene	1,000
Benzo(k)Fluoranthene	1.7
Chrysene	1
Dibenz(a,h)Anthracene	1,000
Fluoranthene	1,000
Fluorene	386
Indeno(1,2,3-c,d)Pyrene	8.2
Naphthalene	12
Phenanthrene	1,000
Pyrene	1,000
Polychlorinated Biphenyl (PCBs)	**mg/kg**
PCB-1016 (Aroclor 1016)	NS
PCB-1221 (Aroclor 1221)	NS
PCB-1232 (Aroclor 1232)	NS
PCB-1242 (Aroclor 1242)	NS
PCB-1248 (Aroclor 1248)	NS
PCB-1254 (Aroclor 1254)	NS
PCB-1260 (Aroclor 1260)	NS
Total PCBs	3.2

Table 3
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives

	NYSDEC Part 375 PGWSCOs
Pesticides	**mg/kg**
4,4'-DDD	14
4,4'-DDE	17
4,4'-DDT	136
Aldrin	0.19
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02
Alpha Endosulfan	102
Beta Bhc (Beta Hexachlorocyclohexane)	0.09
Beta Endosulfan	102
cis-Chlordane	2.9
Delta BHC (Delta Hexachlorocyclohexane)	0.25
Dieldrin	0.1
Endosulfan Sulfate	1,000
Endrin	0.06
Gamma Bhc (Lindane)	0.1
Heptachlor	0.38
RCRA 8 Metals	**mg/kg**
Arsenic	16
RCRA 8 Metals	**mg/kg**
Barium	820
Cadmium	7.5
Chromium, Total	NS
Lead	450
Mercury	0.73
Selenium	4
Silver	8.3

Table 3
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Notes

Part 375 Protection of Groundwater Soil Cleanup Objectives (PWGSCOs):
PGWSCOs listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 Regulations (6 NYCRR Part 375), Table 375-6.8(b).

NS : A standard has not been established for the analyte.

mg/kg : milligrams per kilogram = parts per million (ppm)

Table 4
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Remedial Action Permits

Agency	Permit	Agency Phone Number
NYCDOB	Work Permit	(718) 960-4700
	New Building Permit	
	Asbestos/Demolition Permit	
	Electrical Work Permit	
	After Hours Work Variance	
	Certificate of Occupancy	
NYCDEP	Construction Noise Mitigation Plan	(718) 595-3855
	Site Connections	
NYCDOT	DOT Signoff	(212)748-6680
	Temporary Construction Signs Permit	
	Crossing Sidewalk Permit	
	Temporary Pedestrian Walk Permit	
	Occupancy of Sidewalk Permit	
	Equipment in Roadway Permit	
	Temporary Security Structure	
	Occupancy of Roadway Permit	
FDNY	FDNY Signoff	(718) 999-2000

Notes:
NYCDOT = New York City Department of Transportation
NYCDEP = New York City Department of Environmental Protection
FDNY = Fire Department of the City of New York
NYCDOB = New York City Department of Buildings

Table 5
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Outgoing Truck Tracking Log

Date	Total Truck Count	Manifest #	Truck Co / #	License #	Location	Facility	Weight (tons)	Notes
	1	001	Jencar 73	NJ AT683F	WC-C1 (0-5')	Capital Development, East Bangor, PA	24.93	
	2	002	Jencar 64	NJ AS416T	WC-C1 (0-5')	Capital Development, East Bangor, PA	24.56	
	3	003	JSL 11	NJ AT885D	WC-C1 (0-5')	Capital Development, East Bangor, PA	26.16	
	4	004	Jencar 58	NJ AT731Y	WC-C1 (0-5')	Capital Development, East Bangor, PA	28.41	
	5	005	Jencar 62	NJ AS595U	WC-C1 (0-5')	Capital Development, East Bangor, PA	24.86	
	6	006	Jencar 75	NJ AT318P	WC-C1 (0-5')	Capital Development, East Bangor, PA	24.33	
	7	007	Jencar 74	NJ AT172H	WC-C1 (0-5')	Capital Development, East Bangor, PA	25.74	
	8	008	Jencar 59	NJ AT658Y	WC-C1 (0-5')	Capital Development, East Bangor, PA	23.27	
	9	009	PSM 2	NJ AT744U	WC-C1 (0-5')	Capital Development, East Bangor, PA	27.33	
	10	010	Jencar 63	NJ AS702T	WC-C1 (0-5')	Capital Development, East Bangor, PA	23.44	
	11	011	Jencar 73	NJ AT683F	WC-C1 (0-5')	Capital Development, East Bangor, PA	22.95	
	12	012	JSL 30	NJ AU631H	WC-C1 (5'-10')	Capital Development, East Bangor, PA	21.07	
	13	013	Jencar 64	NJ AS416T	WC-C1 (5'-10')	Capital Development, East Bangor, PA	23.54	
6/20/2018	14	014	JSL 11	NJ AT885D	WC-C1 (0-5')	Capital Development, East Bangor, PA	25.37	
	15	015	Jencar 58	NJ AT731Y	WC-C1 (0-5')	Capital Development, East Bangor, PA	25.87	
	16	016	Jencar 75	NJ AT318P	WC-C1 (0-5')	Capital Development, East Bangor, PA	25.45	
	17	017	Jencar 62	NJ AS595U	WC-C1 (0-5')	Capital Development, East Bangor, PA	26.00	
	18	018	JSL 17	NJ AS139R	WC-C1 (0-5')	Capital Development, East Bangor, PA	23.69	
	19	019	Jencar 74	NJ AT172H	WC-C1 (0-5')	Capital Development, East Bangor, PA	27.15	
	20	020	Jencar 59	NJ AT558Y	WC-C1 (0-5')	Capital Development, East Bangor, PA	23.24	
	21	021	Jencar 63	NJ AS702T	WC-C1 (0-5')	Capital Development, East Bangor, PA	22.15	
	22	022	JSL 2	NJ AT884D	WC-C1 (0-5')	Capital Development, East Bangor, PA	18.36	
	23	023	JSL 12	NJ AU627G	WC-C1 (0-5')	Capital Development, East Bangor, PA	20.11	
	24	024	PSM 2	NJ AT744U	WC-C1 (0-5')	Capital Development, East Bangor, PA	26.2	
	25	025	JSL 18	NJ AS140R	WC-C1 (0-5')	Capital Development, East Bangor, PA	21.8	
	26	026	JSL 15	NJ AS476R	WC-C1 (0-5')	Capital Development, East Bangor, PA	18.97	
	N/A	027	Jencar 71	NJ AT564L	NO LOAD	Capital Development, East Bangor, PA		
	27	028	JSL 30	NJ AU631H	WC-C1 (0-5')	Capital Development, East Bangor, PA	23.03	
	28	029	JSL 2	NJ AT884D	WC-C1 (0-5')	Capital Development, East Bangor, PA	23.69	
	29	030	JSL 15	NJ AS476R	WC-C1 (5'-10')	Capital Development, East Bangor, PA	21.57	
	30	031	JSL 17	NJ AS139R	WC-C1 (0-5')	Capital Development, East Bangor, PA	22.87	
	31	032	JSL 12	NJ AU627G	WC-B1 (0-5')	Capital Development, East Bangor, PA	24.94	
6/21/2018	32	033	JSL 18	NJ AS140R	WC-B1 (0-5')	Capital Development, East Bangor, PA	24.29	
	33	034	JSL 12	NJ AU627G	WC-B1 (0-5')	Capital Development, East Bangor, PA	26.9	
	34	035	JSL 30	NJ AU631H	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	21.4	
	35	036	JSL 15	NJ AS476R	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	22.94	
	36	037	JSL 2	NJ AT884D	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	24.14	
	37	038	JSL 18	NJ AS140R	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	21.28	
	38	039	JSL 17	NJ AS139R	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	22.34	
	39	040	JSL 30	NJ AU631H	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	25.03	
	40	041	JSL 2	NJ AT884D	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	21.3	
	41	042	JSL 15	NJ AS476R	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	25.88	
	42	043	JSL 12	NJ AU627G	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	27.46	
	43	044	JSL 17	NJ AS139R	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	24.88	
	44	045	JSL 11	NJ AT885D	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	22.18	
	45	046	JSL 18	NJ AS140R	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	26.67	
6/22/2018	46	047	Jencar 74	NJ AT172H	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	24.56	
	47	048	PSM 2	NJ AT744U	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	24.72	
	48	049	JSL 2	NJ AT884D	WC-C2 (0-5')	Capital Development, East Bangor, PA	21.66	
	49	050	JSL 12	NJ AU627G	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	22.81	
	50	051	JSL 30	NJ AU631H	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	20.99	
	51	052	PSM 2	NJ AT744U	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	29.64	
	52	053	Jencar 550	NJ AT883D	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	25.18	
	53	054	Jencar 74	NJ AT172H	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	26.39	
	54	055	Jencar 56	NJ AU313C	WC-B2 (0-5') / WC-C2 (0-5')	Capital Development, East Bangor, PA	32.81	
	55	056	JSL 12	NJ AU627G	WC-B1 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	26.62	
	56	057	Jencar 62	NJ AS595U	WC-B1 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	28.36	
	57	058	JSL 15	NJ AS476R	WC-B2 (0-5')	Capital Development, East Bangor, PA	25.19	
	58	059	Jencar 69	NJ AS450Y	WC-B2 (0-5')	Capital Development, East Bangor, PA	25.14	
	59	060	PSM 2	NJ AT744U	WC-B2 (0-5')	Capital Development, East Bangor, PA	29.79	
	60	061	Jencar 72	NJ AP573W	WC-B2 (0-5')	Capital Development, East Bangor, PA	25.34	
6/25/2018	61	062	JSL 15	NJ AS476R	WC-A2 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	25.52	
	62	063	JSL 12	NJ AU627G	WC-A2 (0-5')	Capital Development, East Bangor, PA	24.68	
	63	064	JSL 18	NJ AS140R	WC-A2 (0-5')	Capital Development, East Bangor, PA	27.5	
	64	065	JSL 11	NJ AT885D	WC-A2 (0-5')	Capital Development, East Bangor, PA	23.3	
	65	066	JSL 2	NJ AT884D	WC-A2 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	23.46	
	66	067	JSL 30	NJ AT631H	WC-B2 (0-5')	Capital Development, East Bangor, PA	22.19	
	67	068	JSL 15	NJ AS476R	WC-A2 (0-5')	Capital Development, East Bangor, PA	25.19	
	68	069	JSL 30	NJ AU631H	WC-A2 (0-5')	Capital Development, East Bangor, PA	25.11	
	69	070	JSL 2	NJ AT884D	WC-A2 (0-5')	Capital Development, East Bangor, PA	25.91	
	70	071	JSL 18	NJ AS140R	WC-A2 (0-5')	Capital Development, East Bangor, PA	29.33	
	71	072	JSL 12	NJ AU627G	WC-A2 (0-5')	Capital Development, East Bangor, PA	27.28	
6/26/2018	72	073	JSL 17	NJ AS139R	WC-A2 (0-5')	Capital Development, East Bangor, PA	25.81	
	73	074	JSL 15	NJ AS476R	WC-A2 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	26.41	
	74	075	JSL 17	NJ AS139R	WC-A2 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	26.2	
	75	077	JSL 18	NJ AS140R	WC-A2 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	23.76	
	76	078	JSL 12	NJ AU627G	WC-A2 (0-5') / WC-B2 (0-5')	Capital Development, East Bangor, PA	25.73	
	77	079	JSL 2	NJ AT884D	WC-B1 (0-5')	Capital Development, East Bangor, PA	23.92	
7/6/2018	78	080	JSL 2	NJ AT884D	WC-C1 C&D	Capital Development, East Bangor, PA	27.31	
	79	081	JSL 2	NJ AT884D	WC-C1 (0-10')	Capital Development, East Bangor, PA	27.61	
	80	082	JSL 2	NJ AT884D	WC-B1 (0-10')	Capital Development, East Bangor, PA	23.83	
7/20/2018	81	083	JSL 12	NJ AU627G	WC-B1 (0-10')	Capital Development, East Bangor, PA	23.16	
	82	084	Jencar 71	NJ AT564L	WC-B1 (0-10')	Capital Development, East Bangor, PA	26.02	
	83	085	JSL 2	NJ AT884D	WC-B1 (0-10')	Capital Development, East Bangor, PA	22.8	
	84	088	JSL 12	NJ AU627G	WC-A1 (0-10')	Capital Development, East Bangor, PA	27.44	
7/26/2018	85	089	JSL 18	NJ AS140R	WC-A1 (0-10')	Capital Development, East Bangor, PA	27.93	
	86	090	JSL 12	NJ AU627G	WC-A1 (0-10')	Capital Development, East Bangor, PA	28.63	
	87	E0294945	JSL 18	NJ AS140R	WC-A1 (3-7)	Bayshore Soil Management, Keasby, NJ	26.98	Grid A1 - High PAHs
	88	086	JSL 15	NJ AS476R	WC-A1 (0-15') / WC-B1 (0-15')	Capital Development, East Bangor, PA	27.31	
	89	087	JSL 30	NJ AU631H	WC-A1 (0-15') / WC-B1 (0-15')	Capital Development, East Bangor, PA	27.31	
	90	091	JSL 2	NJ AT884D	WC-A1 (0-15') / WC-B1 (0-15')	Capital Development, East Bangor, PA	25.91	
	91	092	JSL 17	NJ AS139R	WC-A1 (0-15') / WC-B1 (0-15')	Capital Development, East Bangor, PA	29.07	
8/7/2018	92	093	JSL 15	NJ AS476R	WC-A1 (0-15') / WC-B1 (0-15')	Capital Development, East Bangor, PA	29.01	
	93	094	JSL 30	NJ AU631H	WC-A1 (0-15') / WC-B1 (0-15')	Capital Development, East Bangor, PA	25.81	
	94	095	JSL 17	NJ AS139R	WC-A1 (0-5')	Capital Development, East Bangor, PA	28.17	
	95	096	JSL 2	NJ AT884D	WC-A1 (0-5')	Capital Development, East Bangor, PA	26.38	
	96	097	Jencar 67	AR621C	WC-A1 (0-5')	Capital Development, East Bangor, PA	28.52	
	97	098	Jencar 73	AT683F	WC-A1 (0-5')	Capital Development, East Bangor, PA	29.69	

Table 5
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Outgoing Truck Tracking Log

Date	Total Truck Count	Manifest #	Truck Co / #	License #	Location	Facility	Weight (tons)	Notes
	98	099	Jencar 73	AT683F	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	27.4	
	99	100	JSL 2	AT884D	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	26.14	
	100	101	JGM 3272	AU552N	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	27.36	
	101	102	JSL 30	NJ AU631H	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	26.1	
	102	103	JSL 11	AT885D	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	27.79	
	103	104	JSL 12	NJ AU627G	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	29.76	
	104	105	JGM 3271	AU536E	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	28.55	
	105	106	Jencar 58	AT731Y	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	30.63	
	106	107	Steven 5888	AS376P	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	27.38	
	107	108	JGM 3270	AT 577Z	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	29.87	
	108	109	JGM 3261	AT261J	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	24.39	
	109	110	JSL 18	NJ AS140R	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	23.78	
	110	111	JGM 3266	AT237X	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	29.81	
	111	112	Jencar 72	AP573W	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	25.79	
	112	113	PSM 2	AT744U	WC-A1 (0-10') / WC-B1 (0-5')	Capital Development, East Bangor, PA	27.7	
	113	114	JSL 11	AT885D	WC-A1 (0-10') / WC-B1 (0-5')/WC-A2 (0-5')/WC-B2 (0-5')	Capital Development, East Bangor, PA	24.28	
	114	115	JSL 12	AU637G	WC-A1 (0-10') / WC-B1 (0-5')/WC-A2 (0-5')/WC-B2 (0-5')	Capital Development, East Bangor, PA	21.82	
	115	116	Jencar 58	AT731Y	WC-A1 (0-10') / WC-B1 (0-5')/WC-A2 (0-5')/WC-B2 (0-5')	Capital Development, East Bangor, PA	29.18	
8/9/2018	116	117	JGM 3272	AU552N	WC-A1 (0-10') / WC-B1 (0-5')/WC-A2 (0-5')/WC-B2 (0-5')	Capital Development, East Bangor, PA	26.64	
	117	118	JGM 3271	AU536E	WC-A1 (0-10') / WC-B1 (0-5')/WC-A2 (0-5')/WC-B2 (0-5')	Capital Development, East Bangor, PA	28.23	
	118	119	Steven 5888	AS376P	WC-A1 (0-10') / WC-B1 (0-5')/WC-A2 (0-5')/WC-B2 (0-5')	Capital Development, East Bangor, PA	23.32	
	119	120	Jencar 73	AT683F	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	25.99	
	120	121	JSL 18	AS140R	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	27.68	
	121	122	JSL 30	AU631H	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	26.47	
	122	123	Jencar 72	AP573W	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	29.23	
	123	124	JGM 3266	AT237X	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	30.32	
	124	125	JGM 3270	AT577Z	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	28.77	
	125	126	JGM 3261	AT261J	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	24.39	
	126	127	JSL 2	AT884D	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	26.4	
	127	128	PSM 2	AT744U	WC-A1 (0-10') / WC-B1 (0-5') / WC-A2 (0-5')	Capital Development, East Bangor, PA	30.95	
	128	129	Jencar 550	NJ AT883D	WC-A2 (0-15')	Capital Development, East Bangor, PA	28.84	
	129	130	Jencar 73	AT683F	WC-A2 (0-15')	Capital Development, East Bangor, PA	28.19	
	130	131	Jencar 61	AT296T	WC-A2 (0-15')	Capital Development, East Bangor, PA	32.41	
	131	132	JSL 11	NJ AT885D	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.57	
	132	133	JSL 18	NJ AS140R	WC-A2 (0-15')	Capital Development, East Bangor, PA	28.58	
	133	134	Jencar 69	NJ AS450Y	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.89	
	134	135	Jencar 66	AS241G	WC-A2 (0-15')	Capital Development, East Bangor, PA	25.16	
	135	136	JSL 15	NJ AS476R	WC-A2 (0-15')	Capital Development, East Bangor, PA	27.36	
	136	137	Jencar 59	NJ AT558Y	WC-A2 (0-15')	Capital Development, East Bangor, PA	31.55	
	137	138	Jencar 72	NJ AP573W	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.68	
	138	139	JSL 13	AS139R	WC-A2 (0-15')	Capital Development, East Bangor, PA	25.88	
8/16/2018	139	140	Jencar 70	AT963D	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.08	
	140	142	Jencar 550	NJ AT883D	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.02	
	141	143	Jencar 61	AT296T	WC-A2 (0-15')	Capital Development, East Bangor, PA	32.72	
	142	144	JSL 11	NJ AT885D	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.64	
	143	145	JSL 15	NJ AS476R	WC-A2 (0-15')	Capital Development, East Bangor, PA	31.21	
	144	146	Jencar 73	AT683F	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.09	
	145	147	JSL 18	NJ AS140R	WC-A2 (0-15')	Capital Development, East Bangor, PA	28.88	
	146	148	Jencar 69	NJ AS450Y	WC-A2 (0-15')	Capital Development, East Bangor, PA	32	
	147	149	JSL 17	NJ AS139R	WC-A2 (0-15')	Capital Development, East Bangor, PA	28.55	
	148	150	Jencar 72	NJ AP573W	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.63	
	149	151	Jencar 59	NJ AT558Y	WC-A1 (0-15')	Capital Development, East Bangor, PA	28.5	
	150	152	Jencar 66	AS241G	WC-A1 (0-15')	Capital Development, East Bangor, PA	27.67	
	151	153	JSL 30	NJ AU631H	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.8	
	152	154	JSL 12	NJ AU627G	WC-A2 (0-15')	Capital Development, East Bangor, PA	27.38	
	153	155	Jencar 64	NJ AS416T	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.43	
	154	156	Jencar 68	AP812A	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.06	
	155	157	JSL 18	NJ AS140R	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.97	
	156	158	JSL 2	NJ AT884D	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.45	
	157	159	Jencar 550	NJ AT883D	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.5	
	158	160	Jencar 71	NJ AT564L	WC-A2 (0-15')	Capital Development, East Bangor, PA	31.07	
	159	161	Jencar 74	NJ AT172H	WC-A1 (0-15') / WC-A2 (0-15')	Capital Development, East Bangor, PA	29.4	
8/17/2018	160	162	Jencar 70	AT963D	WC-A1 (0-15') / WC-A2 (0-15')	Capital Development, East Bangor, PA	28.64	
	161	163	JSL 12	NJ AU627G	WC-A1 (0-15') / WC-A2 (0-15')	Capital Development, East Bangor, PA	25.4	
	162	174	JSL 30	NJ AU631H	WC-A1 (0-15') / WC-A2 (0-15')	Capital Development, East Bangor, PA	27.17	
	163	164	Jencar 64	NJ AS416T	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.65	
	164	165	JSL 18	NJ AS140R	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.96	
	165	166	Jencar 68	AP812A	WC-A2 (0-15')	Capital Development, East Bangor, PA	24.72	
	166	167	Jencar 71	NJ AT564L	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.39	
	167	168	Jencar 70	AT963D	WC-A2 (0-15')	Capital Development, East Bangor, PA	25.83	
	168	169	JSL 2	NJ AT884D	WC-A2 (0-15')	Capital Development, East Bangor, PA	23.43	
	169	170	Jencar 550	NJ AT883D	WC-A2 (0-15')	Capital Development, East Bangor, PA	28.75	
	170	171	Jencar 74	NJ AT172H	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.5	
	171	172	JSL 30	NJ AU631H	WC-A1 (0-15')	Capital Development, East Bangor, PA	26.27	
	172	173	JSL 11	NJ AT885D	WC-A1 (0-15')	Capital Development, East Bangor, PA	29.79	
	173	175	JSL 15	NJ AS476R	WC-A1 (0-15')	Capital Development, East Bangor, PA	24.41	
	174	176	JSL 17	NJ AS139R	WC-A1 (0-15')	Capital Development, East Bangor, PA	28.94	
	175	177	JSL 18	NJ AS140R	WC-A1 (0-15')	Capital Development, East Bangor, PA	26.79	
	176	178	Jencar 66	AS741G	WC-A1 (0-15')	Capital Development, East Bangor, PA	28.87	
	177	179	Jencar 72	NJ AP573W	WC-A1 (0-15')	Capital Development, East Bangor, PA	29.51	
8/20/2018	178	180	Jencar 57	AS467C	WC-A1 (0-15')	Capital Development, East Bangor, PA	30.61	
	179	181	JSL 30	NJ AU631H	WC-A2 (0-15')	Capital Development, East Bangor, PA	25.94	
	180	182	JSL 11	NJ AT885D	WC-A2 (0-15')	Capital Development, East Bangor, PA	25.42	
	181	183	JSL 17	NJ AS139R	WC-A2 (0-15')	Capital Development, East Bangor, PA	25.04	
	182	184	JSL 15	NJ AS476R	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.05	
	183	185	JSL 18	NJ AS140R	WC-A2 (0-15')	Capital Development, East Bangor, PA	24.59	
	184	186	Jencar 72	NJ AP573W	WC-A1 (0-15')	Capital Development, East Bangor, PA	29.38	
	185	187	Jencar 66	AS2416	WC-A1 (0-15')	Capital Development, East Bangor, PA	25.85	

Table 5
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Outgoing Truck Tracking Log

Date	Total Truck Count	Manifest #	Truck Co / #	License #	Location	Facility	Weight (tons)	Notes
8/21/2018	186	188	Jencar 30	AS631H	WC-A1 (0-15')	Capital Development, East Bangor, PA	26.33	
	187	189	JSL 12	NJ AU627G	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.6	
	188	190	JSL 2	NJ AT884D	WC-B1 (0-15')	Capital Development, East Bangor, PA	27.24	
	189	191	JSL 11	NJ AT885D	WC-B1 (0-15')	Capital Development, East Bangor, PA	27.54	
	190	192	JSL 17	NJ AS139R	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.96	
	191	193	Jencar 71	NJ AT564L	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.53	
	192	194	JSL 15	NJ AS476R	WC-B1 (0-15')	Capital Development, East Bangor, PA	27.8	
	193	195	JSL 18	NJ AS140R	WC-B2 (0-15')	Capital Development, East Bangor, PA	27.01	
	194	196	Jencar 72	NJ AP573W	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.15	
	195	197	Jencar 66	AS2416	WC-B2 (0-15')	Capital Development, East Bangor, PA	25.75	
	196	198	JSL 12	NJ AU627G	WC-B2 (0-15')	Capital Development, East Bangor, PA	28.02	
	197	199	JSL 2	NJ AT884D	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.46	
	198	200	JSL 11	NJ AT885D	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.24	
	199	201	JSL 17	NJ AS139R	WC-A2 (0-15')	Capital Development, East Bangor, PA	27.81	
	200	202	JSL 18	NJ AS140R	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.77	
	201	203	JSL 30	NJ AU631H	WC-A2 (0-15')	Capital Development, East Bangor, PA	25.95	
	202	204	Jencar 66	AS741G	WC-A2 (0-15')	Capital Development, East Bangor, PA	27.63	
	203	205	Jencar 72	NJ AP573W	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.94	
	204	206	Jencar 69	NJ AS450Y	WC-A2 (0-15')	Capital Development, East Bangor, PA	28.68	
	205	207	JSL 15	NJ AS476R	WC-A2 (0-15')	Capital Development, East Bangor, PA	30.75	
8/22/2018	206	208	JSL 18	NJ AS140R	WC-A1 (0-15')	Capital Development, East Bangor, PA	27.84	
	207	209	JSL 11	NJ AT885D	WC-A1 (0-15')	Capital Development, East Bangor, PA	27.54	
	208	210	JGM 3272	AU552N	WC-A2 (0-15')	Capital Development, East Bangor, PA	29.31	
	209	211	JSL 15	NJ AS476R	WC-A2 (0-15')	Capital Development, East Bangor, PA	32.08	
	210	212	Jencar 72	NJ AP573W	WC-A1 (0-15')	Capital Development, East Bangor, PA	30.93	
	211	213	JSL 17	NJ AS139R	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.5	
	212	214	Jencar 69	NJ AS450Y	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.13	
	213	215	JGM 3271	AU536E	WC-B2 (0-15')	Capital Development, East Bangor, PA	31.37	
	214	216	Jencar 75	AT318P	WC-B1 (0-15')	Capital Development, East Bangor, PA	31.41	
	215	217	Jencar 66	AS741G	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.23	
	216	218	JSL 11	NJ AT885D	WC-B2 (0-15')	Capital Development, East Bangor, PA	25.32	
	217	219	JSL 17	NJ AS139R	WC-B1 (0-15')	Capital Development, East Bangor, PA	27.78	
	218	220	Jencar 72	NJ AP573W	WC-B2 (0-15')	Capital Development, East Bangor, PA	28.15	
	219	221	Jencar 75	NJ AT318P	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.44	
	220	222	JGM 3272	AU552N	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.26	
	221	223	JSL 18	NJ AS140R	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.62	
	222	224	Jencar 69	NJ AS450Y	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.29	
	223	225	JSL 15	NJ AS476R	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.22	
	224	226	Jencar 66	AS741G	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.38	
	225	227	JGM 3271	AU536E	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.68	
8/23/2018	226	228	JSL 30	NJ AU631H	WC-B1 (0-15')	Capital Development, East Bangor, PA	27.58	
	227	229	JSL 17	NJ AS139R	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.41	
	228	230	JSL 2	NJ AT884D	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.71	
	229	231	JSL 12	NJ AU627G	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.13	
	230	232	Jencar 56	NJ AU313C	WC-B2 (0-15')	Capital Development, East Bangor, PA	32.3	
	231	233	JSL 15	NJ AS476R	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.56	
	232	234	Jencar 69	NJ AS450Y	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.41	
	233	235	JSL 18	NJ AS140R	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.03	
	234	236	Jencar 59	NJ AT558Y	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.96	
	235	237	Jencar 72	NJ AP573W	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.61	
	236	238	JSL 17	NJ AS139R	WC-A2 (0-15')	Capital Development, East Bangor, PA	24.17	
	237	239	JSL 2	NJ AT884D	WC-A2 (0-15')	Capital Development, East Bangor, PA	26.18	
	238	240	JSL 15	NJ AS476R	WC-A1 (0-15')	Capital Development, East Bangor, PA	28.78	
	239	241	Jencar 69	NJ AS450Y	WC-A1 (0-15')	Capital Development, East Bangor, PA	27.7	
	240	242	JSL 18	NJ AS140R	WC-B1 (0-15')	Capital Development, East Bangor, PA	26.9	
	241	243	Jencar 59	NJ AT558Y	WC-B1 (0-15')	Capital Development, East Bangor, PA	33.11	
	242	244	Jencar 72	NJ AP573W	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.47	
	243	245	JSL 17	NJ AS139R	WC-B2 (0-15')	Capital Development, East Bangor, PA	29.85	
	244	246	JSL 30	NJ AU631H	WC-B2 (0-15')	Capital Development, East Bangor, PA	23.69	
	245	247	Jencar 56	NJ AU313C	WC-B2 (0-15')	Capital Development, East Bangor, PA	28.83	
8/24/2018	246	248	JSL 11	NJ AT885D	WC-B2 (0-15')	Capital Development, East Bangor, PA	27.52	
	247	249	JSL 17	NJ AS139R	WC-B2 (0-15')	Capital Development, East Bangor, PA	31.44	
	248	250	JSL 15	NJ AS476R	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.2	
	249	251	Jencar 57	AU4676	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.98	
	250	252	Jencar 62	NJ AS595U	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.68	
	251	253	JSL 11	NJ AT885D	WC-C2 (0-15')	Capital Development, East Bangor, PA	26.49	
	252	254	Jencar 74	NJ AT172H	WC-B2 (0-15')	Capital Development, East Bangor, PA	28.32	
	253	255	Jencar 66	AS741G	WC-C2 (0-15')	Capital Development, East Bangor, PA	23.71	
	254	256	Jencar 58	NJ AT731Y	WC-C2 (0-15')	Capital Development, East Bangor, PA	30.88	
	255	257	JSL 17	NJ AS139R	WC-C2 (0-15')	Capital Development, East Bangor, PA	28.29	
	256	258	PSM 2	AT744U	WC-C2 (0-15')	Capital Development, East Bangor, PA	31.67	
	257	259	Jencar 72	NJ AP573W	WC-C2 (0-15')	Capital Development, East Bangor, PA	32.21	
	258	260	Jencar 59	NJ AT558Y	WC-B2 (0-15')	Capital Development, East Bangor, PA	33.35	
	259	261	Jencar 61	AT296T	WC-B2 (0-15')	Capital Development, East Bangor, PA	29.14	
	260	262	Jencar 70	AT963D	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.08	
	261	263	Jencar 75	NJ AT318P	WC-B2 (0-15')	Capital Development, East Bangor, PA	27.88	
	262	264	JSL 15	NJ AS476R	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.26	
	263	267	Jencar 69	AS450Y	WC-C2 (0-15')	Capital Development, East Bangor, PA	27.31	
8/28/2018	264	265	JSL 30	AU631H	WC-B2 (0-15')	Capital Development, East Bangor, PA	26.55	
	265	266	JSL 18	AS140R	WC-B2 (0-15')	Capital Development, East Bangor, PA	26.84	
	266	268	JSL 11	AT885D	WC-B1 (0-15')	Capital Development, East Bangor, PA	26.24	
	267	270	JSL 17	AS139R	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.16	
	268	269	JSL 15	AS476R	WC-B1 (0-15')	Capital Development, East Bangor, PA	29.29	
	269	271	JSL 30	AU631H	WC-B1 (0-15')	Capital Development, East Bangor, PA	25.77	
	270	272	JSL 18	AS140R	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.98	
	271	273	JSL 11	AT8845D	WC-B1 (0-15')	Capital Development, East Bangor, PA	24.67	
	272	274	JSL 17	AS139R	WC-B1 (0-15')	Capital Development, East Bangor, PA	27.41	
	273	275	JSL 15	AS476R	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.42	
8/31/2018	274	276	Jencar 64	NJ AS416T	WC-B2 (0-15')	Capital Development, East Bangor, PA	29.24	
	275	277	Jencar 61	NJ AT296T	WC-B2 (0-15')	Capital Development, East Bangor, PA	32.67	
	276	278	JSL 11	NJ AT885D	WC-B2 (0-15')	Capital Development, East Bangor, PA	27.12	
	277	279	Jencar 550	NJ AT883D	WC-B2 (0-15')	Capital Development, East Bangor, PA	29.91	
	278	280	PSM 2	NJ AT744U	WC-B2 (0-15')	Capital Development, East Bangor, PA	33.18	
	279	281	Jencar 64	NJ AS416T	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.03	
	280	282	Jencar 61	NJ AT296T	WC-B1 (0-15')	Capital Development, East Bangor, PA	28.66	
	281	283	JSL 11	NJ AT885D	WC-B2 (0-15')	Capital Development, East Bangor, PA	27.81	
	282	284	Jencar 550	NJ AT883D	WC-B2 (0-15')	Capital Development, East Bangor, PA	30.55	
	283	285	PSM 2	NJ AT744U	WC-B2 (0-15')	Capital Development, East Bangor, PA	33.08	

Table 5
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Outgoing Truck Tracking Log

Date	Total Truck Count	Manifest #	Truck Co / #	License #	Location	Facility	Weight (tons)	Notes
9/4/2018	284	286	JGM 3271	AU536E	WC-C1/C2 (0-5')	Capital Development, East Bangor, PA	29.64	
	285	287	JSL 15	AS476R	WC-C1/C2 (0-5')	Capital Development, East Bangor, PA	27.62	
	286	288	JSL 11	AT885D	WC-C1/C2 (0-5')	Capital Development, East Bangor, PA	28.09	
	287	289	JSL 17	AS139R	WC-C2 (0-5')	Capital Development, East Bangor, PA	29.9	
	288	290	JSL 18	AS140R	WC-C2 (0-5')	Capital Development, East Bangor, PA	27.79	
	289	291	Jencar 72	AP573W	WC-C2 (0-5')	Capital Development, East Bangor, PA	31.28	
	290	292	Steven 5888	AS376P	WC-C1 (0-10')	Capital Development, East Bangor, PA	28.72	
	291	293	JSL 17	AS139R	WC-C1 (0-10')	Capital Development, East Bangor, PA	25.81	
	292	294	JSL 11	AT885D	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	24.31	
	293	295	JSL 18	AS140R	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	25.51	
	294	296	JGM 3272	AU552N	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	26.06	
	295	297	JGM 3271	AU536E	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	29.19	
	296	298	JGM 3261	AT261J	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	29.39	
	297	299	Jencar 72	AP573W	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	28.65	
	298	300	JSL 15	AS476R	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	31.45	
	299	301	Steven 5888	AS376P	WC-B1/B2 (0-10')	Capital Development, East Bangor, PA	28.78	
9/12/2018	300	302	JSL 2	AT884D	WC-B2 (0-15')	Capital Development, East Bangor, PA	25.83	
	301	303	JSL 17	AS139R	WC-B2 (0-15')	Capital Development, East Bangor, PA	28.83	
	302	304	JSL 30	AU631H	WC-B2 (0-15')	Capital Development, East Bangor, PA	26.5	
	303	305	JSL 18	AS140R	WC-C2 (0-10')	Capital Development, East Bangor, PA	28.59	
	304	306	JSL 12	AU627G	WC-C2 (0-10')	Capital Development, East Bangor, PA	29.74	
	305	307	JSL 2	AT884D	WC-C2 (0-10')	Capital Development, East Bangor, PA	26.31	
	306	309	JSL 18	AS140R	WC-C2 (0-10')	Capital Development, East Bangor, PA	25.36	
	307	310	JSL 12	AU627G	WC-C2 (0-10')	Capital Development, East Bangor, PA	27.44	
	308	311	JSL 17	AS139R	WC-C2 (0-10')	Capital Development, East Bangor, PA	29.71	
	309	308	JSL 30	AU631H	WC-C2 (0-10')	Capital Development, East Bangor, PA	26.29	
9/13/2018	310	312	Jencar 74	AT172H	WC-A1/B1 (0-10')	Capital Development, East Bangor, PA	34.45	
9/14/2018	311	313	JSL 15	AS476R	WC-A1/B1 (0-10')	Capital Development, East Bangor, PA	31.28	
	312	314	JSL 30	AU631H	WC-A1/B1 (5-15')	Capital Development, East Bangor, PA	25.3	
	313	315	JSL 12	AU627G	WC-A1/B1 (5-15')	Capital Development, East Bangor, PA	31.04	
	314	316	JSL 17	AS139R	WC-A1/B1 (5-15')	Capital Development, East Bangor, PA	32.28	
	315	317	JSL 18	AS140R	WC-A1/B1 (5-15')	Capital Development, East Bangor, PA	28.66	
	316	318	Jencar 75	AT318P	WC-A1/B1 (5-15')	Capital Development, East Bangor, PA	32	
	317	319	Jencar 59	AT558Y	WC-A1/B1 (5-15')	Capital Development, East Bangor, PA	32.7	
	318	320	Jencar 72	AP573W	WC-A1/B1 (5-15')	Capital Development, East Bangor, PA	30.29	
9/19/2018	319	321	Jencar 68	AP812A	WC-A1 (5-15')	Capital Development, East Bangor, PA	32.26	
	320	322	Jencar 56	AU313C	WC-A1 (5-15')	Capital Development, East Bangor, PA	29.94	
	321	323	Jencar 550	AT883D	WC-A1 (5-15'), WC-ST A1(5-6)G/C	Capital Development, East Bangor, PA	27.51	
	322	324	JSL 11	AT885D	WC-A1 (5-15')	Capital Development, East Bangor, PA	28.08	
	323	325	Jencar 72	AP573W	WC-A1 (5-15')	Capital Development, East Bangor, PA	33.03	
	324	326	PSM 2	AT744U	WC-A1 (5-15')	Capital Development, East Bangor, PA	30.59	
	325	327	Jencar 56	AU313C	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	30.79	
	326	328	Jencar 68	AP812A	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	30.74	
	327	329	JSL 11	AT885D	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	26.4	
	328	330	Jencar 550	AT883D	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	27.69	
	329	331	Jencar 72	AP573W	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	29.52	
	330	332	PSM 2	AT744U	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	29.61	
10/4/2018	331	333	JSL 11	AT885D	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	27.76	
	332	334	JSL 15	AS476R	WC-A1/A2 (5-15')	Capital Development, East Bangor, PA	29.59	
	333	335	JSL 2	AT884D	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	27.3	
	334	336	JSL 18	AS140R	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	28.6	
	335	337	JSL 12	AU627G	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	29.99	
	336	338	JSL 30	AU631H	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	28.63	
	337	339	JSL 17	AS139R	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	31.65	
	338	340	JSL 2	AT884D	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	28.45	
	339	341	JSL 30	AU631H	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	27.25	
	340	342	JSL 12	AU627G	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	26.82	
10/16/2018	341	343	JSL 15	AS476R	WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	31.49	
	342	344	JSL 2	AT884D	WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	28.44	
	343	345	JSL 12	AU627G	WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	29.28	
	344	346	JSL 17	AS139R	WC-A2 (15-16')G/C, WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	29.2	
	345	347	JSL 18	AS140R	WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	27.77	
	346	348	JSL 30	AU631H	WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	27.04	
	347	349	Jencar 56	AU313C	WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	30.48	
	348	350	Jencar 55	AU853R	WC-A1/A2/B1/B2 (5-15')	Capital Development, East Bangor, PA	31.92	
10/18/2018	349	351	JSL 2	AT884D	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	26.82	
	350	352	JSL 12	AU627G	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	27.26	
	351	353	JSL 30	AU631H	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	28.03	
	352	354	JSL 2	AT884D	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	27.62	
	353	355	JSL 30	AU631H	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	30.12	
	354	356	JSL 17	AS139R	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	28.31	
	355	357	JSL 12	AU627G	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	29.47	
	356	358	JSL 18	AS140R	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	27.97	
	357	359	JSL 15	AS476R	WC-A1/A2/B1 (5-15')	Capital Development, East Bangor, PA	28.43	
10/23/2018	358	360	JSL 12	AU627G	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	26.82	
	359	361	JSL 2	AT884D	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	25.91	
	360	362	Jencar 64	AS416T	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	28.57	
	361	363	JSL 15	AS475R	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	28.53	
	362	364	JSL 17	AS139R	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	27.35	
	363	365	JSL 18	AS140R	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	29.08	
	364	366	PSM 2	AT744U	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	29.87	
	365	367	JSL 30	AU631H	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	26.28	
	366	368	Jencar 72	AP573W	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	27.98	
	367	369	Jencar 69	AS450Y	WC-A1/A2/B1 (0-5')	Capital Development, East Bangor, PA	25.76	
11/29/2018	368	370	JSL 2	AT884D	WC-C1 (5-10')	Capital Development, East Bangor, PA	27.34	
	369	371	JSL 12	AU627G	WC-C1 (5-10')	Capital Development, East Bangor, PA	27.75	
	370	372	JSL 30	AU631H	WC-C1 (5-10')	Capital Development, East Bangor, PA	28.52	
	371	373	JSL 18	AS140R	WC-C1 (5-10')	Capital Development, East Bangor, PA	27.02	
	372	374	JSL 17	AS139R	WC-C1 (5-10')	Capital Development, East Bangor, PA	27.16	
	373	375	Jencar 67	AR621C	WC-C1 (5-10')	Capital Development, East Bangor, PA	25.92	
	374	376	Jencar 71	AT564L	WC-C1 (5-10')	Capital Development, East Bangor, PA	25.33	
	375	377	Jencar 63	AS702T	WC-C1 (5-10')	Capital Development, East Bangor, PA	30.21	
	376	378	JSL 15	AS476R	WC-C1 (5-10')	Capital Development, East Bangor, PA	25.34	
	377	379	Jencar 61	AT296T	WC-C1 (5-10')	Capital Development, East Bangor, PA	25.99	
12/6/2018	N/A	381	Jencar 57	AU467C	NO LOAD	Capital Development, East Bangor, PA		

Table 5
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Outgoing Truck Tracking Log

Date	Total Truck Count	Manifest #	Truck Co / #	License #	Location	Facility	Weight (tons)	Notes
12/7/2018	378	382	JSL 2	AT884D	WC-C1 C&D	Capital Development, East Bangor, PA	25.49	
	379	383	JSL 17	AS139R	WC-C1 C&D	Capital Development, East Bangor, PA	25.91	
	380	384	JSL 2	AT884D	WC-C1 C&D, WC-C1 (5-10')	Capital Development, East Bangor, PA	26.63	
	381	385	JSL 17	AS139R	WC-C1 C&D, WC-C1 (5-10')	Capital Development, East Bangor, PA	27.43	
1/17/2019	382	387	JSL 15	AS476R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	26.13	
	383	386	JSL 17	AS139R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	26.95	
	384	388	JSL 18	AS140R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	23.39	
	385	389	JSL 2	AT884D	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	24.78	
	386	390	JSL 30	AU631H	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	27.47	
	387	391	JSL 12	AU627G	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	24.42	
1/18/2019	388	392	JSL 2	AT884D	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	24.6	
	389	393	JSL 30	AU631H	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	25.08	
	390	394	JSL 12	AU627G	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	26.81	
	391	395	JSL 15	AS476R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	24.42	
	392	396	Jencar 550	AT883D	WC-C1 (5-10')	Capital Development, East Bangor, PA	25.62	
	393	397	Jencar 73	AT683F	WC-C1 (5-10')	Capital Development, East Bangor, PA	26.83	
	394	398	Jencar 56	AU313C	WC-C1 (5-10')	Capital Development, East Bangor, PA	30.29	
	395	399	Jencar 58	AT731Y	WC-C1 (5-10')	Capital Development, East Bangor, PA	29.66	
	396	400	Jencar 55	AU853R	WC-C1 (5-10')	Capital Development, East Bangor, PA	31.22	
	397	401	JSL 18	AS140R	WC-C1 (5-10')	Capital Development, East Bangor, PA	28.43	
	398	402	JSL 17	AS139R	WC-C1 (5-10')	Capital Development, East Bangor, PA	27.71	
	399	403	JSL 2	AT884D	WC-C1 (5-10')	Capital Development, East Bangor, PA	25.53	
	400	404	JSL 30	AU631H	WC-C1 (5-10')	Capital Development, East Bangor, PA	22.85	
	401	405	Jencar 62	AS595U	WC-C1 (5-10')	Capital Development, East Bangor, PA	26.75	
1/21/2019	N/A	406	JSL 12	AU627G	NO LOAD	Capital Development, East Bangor, PA		
	N/A	407	JSL 18	AS140R	NO LOAD	Capital Development, East Bangor, PA		
	N/A	408	JSL 17	AS139R	NO LOAD	Capital Development, East Bangor, PA		
	N/A	409	JSL 15	AS476R	NO LOAD	Capital Development, East Bangor, PA		
	N/A	410	JSL 2	AT884D	NO LOAD	Capital Development, East Bangor, PA		
	N/A	411	JSL 30	AU631H	NO LOAD	Capital Development, East Bangor, PA		
1/22/2019	402	412	JSL 12	AU627G	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	22.3	
	403	413	JSL 18	AS140R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	23.52	
	404	414	JSL 17	AS139R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	25.23	
	405	415	JSL 15	AS476R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	26.36	
	406	416	JSL 18	AS140R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	28.52	
	407	417	JSL 12	AU627G	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	23.48	
	408	418	JSL 15	AS476R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	28.05	
	409	419	JSL 17	AS139R	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	28.7	
1/23/2019	410	420	JSL 2	AT884D	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	24.47	
	411	421	JSL 30	AU631H	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	26.92	
	412	422	Jencar 68	AP812A	WC-C1/C2 (5-10')	Capital Development, East Bangor, PA	30.91	
1/24/2019	413	423	Jencar 70	AT963D	WC-C1 (0-10')	Capital Development, East Bangor, PA	27.89	
	414	424	JSL 17	AS139R	WC-C1 (0-10')	Capital Development, East Bangor, PA	26.85	
	415	425	Jencar 70	AT963D	WC-C1 (0-10')	Capital Development, East Bangor, PA	9.21	
	416	426	JSL 2	AT884D	WC-C1 (0-10')	Capital Development, East Bangor, PA	14.32	
3/7/2019	417	427	Cardella 111	AU302P	Non-compliant backfill removal in Grid A1	Capital Development, East Bangor, PA	13.93	Corrective Action
3/8/2019	418	428	Cardella 111	AU302P	Non-compliant backfill removal in Grid A1	Capital Development, East Bangor, PA	18.54	Corrective Action
	419	429	Cardella 108	AU407G	Non-compliant backfill removal in Grid A1	Capital Development, East Bangor, PA	7.31	Corrective Action

Totals		
Facility	**Tonnage**	**Trucks**
Capital Development	11,386.62	418
Bayshore Management	26.98	1

	Project Total	
	Tonnage	**Trucks**
Non-Hazardous Soil/Fill	11,373.82	416
Non-compliant backfill	39.78	3

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	EP-1 (15) 20180822	EP-A2(16)20180926	EP-2 (15) 20180823	EP-3 (22) 20180823	EP-4 (15) 20180822
		Laboratory Sample ID	JC72361-1	JC74509-3	JC72361-7	JC72361-8	JC72361-2
		Date Sampled	8/22/2018 10:00:00 AM	9/26/2018 2:35:00 PM	8/23/2018 10:30:00 AM	8/23/2018 10:45:00 AM	8/22/2018 10:35:00 AM
		Sample Depth (Feet Below Grade)	15	16	15	22	15
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
1,1,2-Trichloroethane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
1,1-Dichloroethane	0.270	26.0	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
1,1-Dichloroethene	0.330	100	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
1,2,3-Trichlorobenzene	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
1,2,4-Trichlorobenzene	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
1,2-Dichlorobenzene	1.10	100	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
1,2-Dichloroethane	0.0200	3.10	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
1,2-Dichloropropane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
1,3-Dichlorobenzene	2.40	49.0	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
1,4-Dichlorobenzene	1.80	13.0	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
2-Hexanone	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Acetone	0.0500	100	0.013 U	0.0454	0.0066 J	0.0057 J	0.0098 U
Benzene	0.0600	4.80	0.00065 U	0.00045 U	0.00048 U	0.00051 U	0.00049 U
Bromochloromethane	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Bromodichloromethane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Bromoform	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Bromomethane	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Carbon Disulfide	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Carbon Tetrachloride	0.760	2.40	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Chlorobenzene	1.10	100	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Chloroethane	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Chloroform	0.370	49.0	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Chloromethane	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Cis-1,2-Dichloroethylene	0.250	100	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Cis-1,3-Dichloropropene	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Cyclohexane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Dibromochloromethane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Dichlorodifluoromethane	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Ethylbenzene	1.00	41.0	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Isopropylbenzene (Cumene)	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
M,P-Xylene	NS	NS	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Methyl Acetate	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.013 U	0.0089 U	0.0096 U	0.01 U	0.0098 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Methylcyclohexane	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Methylene Chloride	0.0500	100	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Styrene	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Tert-Butyl Methyl Ether	0.930	100	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Tetrachloroethylene (PCE)	1.30	19.0	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Toluene	0.700	100	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Trans-1,2-Dichloroethene	0.190	100	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Trans-1,3-Dichloropropene	NS	NS	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Trichloroethylene (TCE)	0.470	21.0	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U
Trichlorofluoromethane	NS	NS	0.0065 U	0.0045 U	0.0048 U	0.0051 U	0.0049 U
Vinyl Chloride	0.0200	0.900	0.0026 U	0.0018 U	0.0019 U	0.0021 U	0.002 U
Xylenes, Total	0.260	100	0.0013 U	0.00089 U	0.00096 U	0.001 U	0.00098 U

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	EP-X (15) 20180822	EP-X(16)20180926	EP-5 (15) 20180823	EP-6 (20) 20180823	EP-7_13_20181019
		Laboratory Sample ID	JC72361-3	JC74509-4	JC72361-9	JC72361-6	JC76263-3
		Date Sampled	8/22/2018 11:20:00 AM	9/26/2018 2:45:00 PM	8/23/2018 11:05:00 AM	8/23/2018 9:50:00 AM	10/19/2018 9:40:00 AM
		Sample Depth (Feet Below Grade)	15	16	15	20	13
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
1,1,2,2-Tetrachloroethane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
1,1,2-Trichloroethane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
1,1-Dichloroethane	0.270	26.0	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
1,1-Dichloroethene	0.330	100	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 UJ
1,2,3-Trichlorobenzene	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
1,2,4-Trichlorobenzene	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
1,2-Dichlorobenzene	1.10	100	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
1,2-Dichloroethane	0.0200	3.10	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
1,2-Dichloropropane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
1,3-Dichlorobenzene	2.40	49.0	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
1,4-Dichlorobenzene	1.80	13.0	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
2-Hexanone	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Acetone	0.0500	100	0.0099 U	0.0312	0.0058 J	0.0067 J	0.0098 U
Benzene	0.0600	4.80	0.0005 U	0.00044 U	0.00055 U	0.0005 U	0.00049 U
Bromochloromethane	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Bromodichloromethane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Bromoform	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Bromomethane	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 UJ
Carbon Disulfide	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Carbon Tetrachloride	0.760	2.40	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Chlorobenzene	1.10	100	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Chloroethane	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Chloroform	0.370	49.0	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Chloromethane	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Cis-1,2-Dichloroethylene	0.250	100	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
Cis-1,3-Dichloropropene	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Cyclohexane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Dibromochloromethane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Dichlorodifluoromethane	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Ethylbenzene	1.00	41.0	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
Isopropylbenzene (Cumene)	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
M,P-Xylene	NS	NS	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
Methyl Acetate	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.0099 U	0.0089 U	0.011 U	0.01 U	0.0098 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Methylcyclohexane	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Methylene Chloride	0.0500	100	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
Styrene	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Tert-Butyl Methyl Ether	0.930	100	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
Tetrachloroethylene (PCE)	1.30	19.0	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Toluene	0.700	100	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
Trans-1,2-Dichloroethene	0.190	100	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 UJ
Trans-1,3-Dichloropropene	NS	NS	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Trichloroethylene (TCE)	0.470	21.0	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U
Trichlorofluoromethane	NS	NS	0.005 U	0.0044 U	0.0055 U	0.005 U	0.0049 U
Vinyl Chloride	0.0200	0.900	0.002 U	0.0018 U	0.0022 U	0.002 U	0.002 U
Xylenes, Total	0.260	100	0.00099 U	0.00089 U	0.0011 U	0.001 U	0.00098 U

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	EP-X_13_20181019	EP-8_11_20181019	EP-9_7_20181204	EP-X_7_20181204	EP-10_5_20190129
		Laboratory Sample ID	JC76263-4	JC76263-5	JC79057-1	JC79057-2	460-174649-1
		Date Sampled	10/19/2018 9:50:00 AM	10/19/2018 9:20:00 AM	12/4/2018 10:10:00 AM	12/4/2018 10:30:00 AM	1/29/2019 2:30:00 PM
		Sample Depth (Feet Below Grade)	13	11	7	7	5
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0019 U	0.0018 U	0.0023 UJ	0.002 UJ	0.0016 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
1,1,2-Trichloroethane	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
1,1-Dichloroethane	0.270	26.0	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
1,1-Dichloroethene	0.330	100	0.00093 UJ	0.0009 UJ	0.0011 U	0.001 U	0.0016 U
1,2,3-Trichlorobenzene	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
1,2,4-Trichlorobenzene	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
1,2-Dichlorobenzene	1.10	100	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
1,2-Dichloroethane	0.0200	3.10	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
1,2-Dichloropropane	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
1,3-Dichlorobenzene	2.40	49.0	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
1,4-Dichlorobenzene	1.80	13.0	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
2-Hexanone	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0079 U
Acetone	0.0500	100	0.0093 U	0.0108	0.0314	0.0257	0.0079 U
Benzene	0.0600	4.80	0.00046 U	0.00045 U	0.00057 U	0.00051 U	0.0016 U
Bromochloromethane	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
Bromodichloromethane	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Bromoform	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
Bromomethane	NS	NS	0.0046 UJ	0.0045 UJ	0.0057 U	0.0051 U	0.0016 U
Carbon Disulfide	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.0011 J	0.0016 U
Carbon Tetrachloride	0.760	2.40	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Chlorobenzene	1.10	100	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Chloroethane	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
Chloroform	0.370	49.0	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Chloromethane	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
Cis-1,2-Dichloroethylene	0.250	100	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
Cis-1,3-Dichloropropene	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Cyclohexane	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Dibromochloromethane	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Dichlorodifluoromethane	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
Ethylbenzene	1.00	41.0	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
Isopropylbenzene (Cumene)	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
M,P-Xylene	NS	NS	0.00093 U	0.0009 U	0.00093 J	0.0018	0.0016 U
Methyl Acetate	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0079 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.0093 U	0.009 U	0.0066 J	0.01 U	0.0079 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0079 U
Methylcyclohexane	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Methylene Chloride	0.0500	100	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0019 JL
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.00093 U	0.0009 U	0.00066 J	0.0013	0.0016 U
Styrene	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Tert-Butyl Methyl Ether	0.930	100	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
Tetrachloroethylene (PCE)	1.30	19.0	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Toluene	0.700	100	0.00093 U	0.0009 U	0.002	0.0014	0.0016 U
Trans-1,2-Dichloroethene	0.190	100	0.00093 UJ	0.0009 UJ	0.0011 U	0.001 U	0.0016 U
Trans-1,3-Dichloropropene	NS	NS	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Trichloroethylene (TCE)	0.470	21.0	0.00093 U	0.0009 U	0.0011 U	0.001 U	0.0016 U
Trichlorofluoromethane	NS	NS	0.0046 U	0.0045 U	0.0057 U	0.0051 U	0.0016 U
Vinyl Chloride	0.0200	0.900	0.0019 U	0.0018 U	0.0023 U	0.002 U	0.0016 U
Xylenes, Total	0.260	100	0.00093 U	0.0009 U	0.0016	0.0031	0.0016 U

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	EP-11_5_20190129	EP-12_3_20190129	EP-X_3_20190129	EP-13_10_20190114	EP-14_10_20190111
		Laboratory Sample ID	460-174649-3	460-174649-4	460-174649-2	JC81251-6	JC81251-1
		Date Sampled	1/29/2019 2:00:00 PM	1/29/2019 2:40:00 PM	1/29/2019 2:50:00 PM	1/14/2019 3:00:00 PM	1/11/2019 8:40:00 AM
		Sample Depth (Feet Below Grade)	5	3	3	10	10
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0013 U	0.0012 U	0.0014 U	0.0018 U	0.0019 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
1,1,2-Trichloroethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0018 U	0.0019 U
1,1-Dichloroethane	0.270	26.0	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
1,1-Dichloroethene	0.330	100	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
1,2,3-Trichlorobenzene	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0046 U	0.0048 U
1,2,4-Trichlorobenzene	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0046 U	0.0048 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.00092 U	0.00097 U
1,2-Dichlorobenzene	1.10	100	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
1,2-Dichloroethane	0.0200	3.10	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
1,2-Dichloropropane	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
1,3-Dichlorobenzene	2.40	49.0	0.0013 UJ	0.0012 U	0.0014 U	0.00092 U	0.00097 U
1,4-Dichlorobenzene	1.80	13.0	0.0013 UJ	0.0012 U	0.0014 U	0.00092 U	0.00097 U
2-Hexanone	NS	NS	0.0064 U	0.0059 U	0.0068 U	0.0046 U	0.0048 U
Acetone	0.0500	100	0.0064 U	0.0059 U	0.0068 U	0.0092 U	0.0062 J
Benzene	0.0600	4.80	0.0013 U	0.0012 U	0.0014 U	0.00046 U	0.00048 U
Bromochloromethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
Bromodichloromethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Bromoform	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
Bromomethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
Carbon Disulfide	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Carbon Tetrachloride	0.760	2.40	0.0013 U	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Chlorobenzene	1.10	100	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Chloroethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
Chloroform	0.370	49.0	0.0013 U	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Chloromethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
Cis-1,2-Dichloroethylene	0.250	100	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Cis-1,3-Dichloropropene	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Cyclohexane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Dibromochloromethane	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Dichlorodifluoromethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
Ethylbenzene	1.00	41.0	0.0013 UJ	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Isopropylbenzene (Cumene)	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
M,P-Xylene	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Methyl Acetate	NS	NS	0.0064 U	0.0059 U	0.0068 U	0.0046 U	0.0048 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.0064 U	0.0059 U	0.0068 U	0.0092 U	0.0097 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0064 U	0.0059 U	0.0068 U	0.0046 U	0.0048 U
Methylcyclohexane	NS	NS	0.0013 UJ	0.0012 U	0.00080 JL	0.0018 U	0.0019 U
Methylene Chloride	0.0500	100	0.0017 JL	0.0022 JL	0.0014 JL	0.0046 U	0.0048 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Styrene	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Tert-Butyl Methyl Ether	0.930	100	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Tetrachloroethylene (PCE)	1.30	19.0	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Toluene	0.700	100	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Trans-1,2-Dichloroethene	0.190	100	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Trans-1,3-Dichloropropene	NS	NS	0.0013 UJ	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Trichloroethylene (TCE)	0.470	21.0	0.00020 JL	0.0012 U	0.0014 U	0.00092 U	0.00097 U
Trichlorofluoromethane	NS	NS	0.0013 U	0.0012 U	0.0014 U	0.0046 U	0.0048 U
Vinyl Chloride	0.0200	0.900	0.0013 U	0.0012 U	0.0014 U	0.0018 U	0.0019 U
Xylenes, Total	0.260	100	0.0013 U	0.0012 U	0.0014 U	0.00092 U	0.00097 U

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	EP-X_10_20190111	EP-15_5_20190111	EP-16_2_20190531	EP-17_2_20190531	EP-18_2_20190531
		Laboratory Sample ID	JC81251-2	JC81251-3	JC89045-1	JC89045-2	JC89045-3
		Date Sampled	1/11/2019 8:50:00 AM	1/11/2019 9:15:00 AM	5/31/2019 2:50:00 PM	5/31/2019 2:55:00 PM	5/31/2019 3:15:00 PM
		Sample Depth (Feet Below Grade)	10	5	2	2	2
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
1,1,2,2-Tetrachloroethane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
1,1,2-Trichloroethane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
1,1-Dichloroethane	0.270	26.0	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
1,1-Dichloroethene	0.330	100	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
1,2,3-Trichlorobenzene	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
1,2,4-Trichlorobenzene	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
1,2-Dichlorobenzene	1.10	100	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
1,2-Dichloroethane	0.0200	3.10	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
1,2-Dichloropropane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
1,3-Dichlorobenzene	2.40	49.0	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
1,4-Dichlorobenzene	1.80	13.0	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
2-Hexanone	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Acetone	0.0500	100	0.0058 J	0.011	0.0084 J	0.0184	0.0278
Benzene	0.0600	4.80	0.00051 U	0.00049 U	0.00047 U	0.00054 U	0.00048 U
Bromochloromethane	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Bromodichloromethane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Bromoform	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Bromomethane	NS	NS	0.0051 U	0.0049 U	0.0047 UJ	0.0054 UJ	0.0048 UJ
Carbon Disulfide	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Carbon Tetrachloride	0.760	2.40	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Chlorobenzene	1.10	100	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Chloroethane	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Chloroform	0.370	49.0	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Chloromethane	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Cis-1,2-Dichloroethylene	0.250	100	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
Cis-1,3-Dichloropropene	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Cyclohexane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Dibromochloromethane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Dichlorodifluoromethane	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Ethylbenzene	1.00	41.0	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
Isopropylbenzene (Cumene)	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
M,P-Xylene	NS	NS	0.001 U	0.00098 U	0.0016 U	0.0013 U	0.0012 U
Methyl Acetate	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.01 U	0.0098 U	0.0094 U	0.011 U	0.0096 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Methylcyclohexane	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Methylene Chloride	0.0500	100	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
Styrene	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Tert-Butyl Methyl Ether	0.930	100	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
Tetrachloroethylene (PCE)	1.30	19.0	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Toluene	0.700	100	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
Trans-1,2-Dichloroethene	0.190	100	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
Trans-1,3-Dichloropropene	NS	NS	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Trichloroethylene (TCE)	0.470	21.0	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U
Trichlorofluoromethane	NS	NS	0.0051 U	0.0049 U	0.0047 U	0.0054 U	0.0048 U
Vinyl Chloride	0.0200	0.900	0.002 U	0.002 U	0.0019 U	0.0021 U	0.0019 U
Xylenes, Total	0.260	100	0.001 U	0.00098 U	0.00094 U	0.0011 U	0.00096 U

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	EP-X_2_20190531	FB-20180822	FB_20181019	FB_20181204	FB_20190111
		Laboratory Sample ID	JC89045-4	JC72361-4	JC76263-1	JC79057-3	JC81251-4
		Date Sampled	5/31/2019 3:20:00 PM	8/22/2018 2:50:00 PM	10/19/2018 10:20:00 AM	12/4/2018 11:40:00 AM	1/11/2019 2:30:00 PM
		Sample Depth (Feet Below Grade)	2	N/A	N/A	N/A	N/A
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.002 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	0.002 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.005 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	NS	NS	0.002 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.270	26.0	0.001 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.330	100	0.001 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	0.005 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	NS	NS	0.005 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.002 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.001 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1.10	100	0.001 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.0200	3.10	0.001 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	NS	NS	0.002 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.40	49.0	0.001 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.80	13.0	0.001 U	1 U	1 U	1 U	1 U
2-Hexanone	NS	NS	0.005 U	5 U	5 U	5 U	5 U
Acetone	0.0500	100	0.0246	10 U	10 U	10 U	10 U
Benzene	0.0600	4.80	0.0005 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	NS	NS	0.005 U	1 U	1 U	1 U	1 U
Bromodichloromethane	NS	NS	0.002 U	1 U	1 U	1 U	1 U
Bromoform	NS	NS	0.005 U	1 U	1 U	1 U	1 U
Bromomethane	NS	NS	0.005 UJ	2 U	2 U	2 UJ	2 U
Carbon Disulfide	NS	NS	0.002 U	2 U	2 U	2 U	2 U
Carbon Tetrachloride	0.760	2.40	0.002 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.10	100	0.002 U	1 U	1 U	1 U	1 U
Chloroethane	NS	NS	0.005 U	1 U	1 U	1 U	1 U
Chloroform	0.370	49.0	0.002 U	1 U	1 U	1 U	1 U
Chloromethane	NS	NS	0.005 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.250	100	0.001 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	NS	0.002 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	NS	0.002 U	5 U	5 U	5 U	5 U
Dibromochloromethane	NS	NS	0.002 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	NS	NS	0.005 U	2 U	2 U	2 U	2 U
Ethylbenzene	1.00	41.0	0.001 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	0.002 U	1 U	1 U	1 U	1 U
M,P-Xylene	NS	NS	0.0014 U	1 U	1 U	1 U	1 U
Methyl Acetate	NS	NS	0.005 U	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.01 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.005 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	NS	0.002 U	5 U	5 U	5 U	5 U
Methylene Chloride	0.0500	100	0.005 U	2 U	2 U	2 U	2 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.001 U	1 U	1 U	1 U	1 U
Styrene	NS	NS	0.002 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.930	100	0.001 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.30	19.0	0.002 U	1 U	1 U	1 U	1 U
Toluene	0.700	100	0.001 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.190	100	0.001 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	NS	NS	0.002 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.470	21.0	0.001 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	NS	NS	0.005 U	2 U	2 U	2 U	2 U
Vinyl Chloride	0.0200	0.900	0.002 U	1 U	1 U	1 U	1 U
Xylenes, Total	0.260	100	0.001 U	1 U	1 U	1 U	1 U

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	FB_20190129	FB_20190531	TB-20180822	TB_20181019	TB_20190111
		Laboratory Sample ID	460-174649-5	JC89045-5	JC72361-5	JC76263-2	JC81251-5
		Date Sampled	1/29/2019 4:00:00 PM	5/31/2019 3:40:00 PM	8/22/2018	10/19/2018 12:00:00 PM	1/11/2019 1:00:00 PM
		Sample Depth (Feet Below Grade)	N/A	N/A	N/A	N/A	N/A
		Dilution Factor	1	1	1	1	1
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	1.0 U	1 UJ	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	1.0 U	5 UJ	5 U	5 U	5 U
1,1,2-Trichloroethane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
1,1-Dichloroethane	0.270	26.0	1.0 U	1 UJ	1 U	1 U	1 U
1,1-Dichloroethene	0.330	100	1.0 U	1 UJ	1 U	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
1,2,4-Trichlorobenzene	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	1.0 U	2 UJ	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
1,2-Dichlorobenzene	1.10	100	1.0 U	1 UJ	1 U	1 U	1 U
1,2-Dichloroethane	0.0200	3.10	1.0 U	1 UJ	1 U	1 U	1 U
1,2-Dichloropropane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
1,3-Dichlorobenzene	2.40	49.0	1.0 U	1 UJ	1 U	1 U	1 U
1,4-Dichlorobenzene	1.80	13.0	1.0 U	1 UJ	1 U	1 U	1 U
2-Hexanone	NS	NS	5.0 U	5 UJ	5 U	5 U	5 U
Acetone	0.0500	100	5.0 U	10 UJ	10 U	10 U	10 U
Benzene	0.0600	4.80	1.0 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Bromochloromethane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Bromodichloromethane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Bromoform	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Bromomethane	NS	NS	1.0 U	2 UJ	2 U	2 U	2 U
Carbon Disulfide	NS	NS	1.0 U	2 UJ	2 U	2 U	2 U
Carbon Tetrachloride	0.760	2.40	1.0 U	1 UJ	1 U	1 U	1 U
Chlorobenzene	1.10	100	1.0 U	1 UJ	1 U	1 U	1 U
Chloroethane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Chloroform	0.370	49.0	1.0 U	1 UJ	1 U	1 U	1 U
Chloromethane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.250	100	1.0 U	1 UJ	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Cyclohexane	NS	NS	1.0 U	5 UJ	5 U	5 U	5 U
Dibromochloromethane	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Dichlorodifluoromethane	NS	NS	1.0 UJ	2 UJ	2 U	2 U	2 U
Ethylbenzene	1.00	41.0	1.0 U	1 UJ	1 U	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
M,P-Xylene	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Methyl Acetate	NS	NS	5.0 U	5 UJ	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	5.0 U	10 UJ	10 U	10 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	5.0 U	5 UJ	5 U	5 U	5 U
Methylcyclohexane	NS	NS	1.0 U	5 UJ	5 U	5 U	5 U
Methylene Chloride	0.0500	100	1.0 U	2 UJ	2 U	2 U	2 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Styrene	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.930	100	1.0 U	1 UJ	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.30	19.0	1.0 U	1 UJ	1 U	1 U	1 U
Toluene	0.700	100	1.0 U	1 UJ	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.190	100	1.0 U	1 UJ	1 U	1 U	1 U
Trans-1,3-Dichloropropene	NS	NS	1.0 U	1 UJ	1 U	1 U	1 U
Trichloroethylene (TCE)	0.470	21.0	1.0 U	1 UJ	1 U	1 U	1 U
Trichlorofluoromethane	NS	NS	1.0 U	2 UJ	2 U	2 U	2 U
Vinyl Chloride	0.0200	0.900	1.0 U	1 UJ	1 U	1 U	1 U
Xylenes, Total	0.260	100	1 U	1 UJ	1 U	1 U	1 U

Table 6a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	TB_20190129	TB_20190531
		Laboratory Sample ID	460-174649-6	JC89045-6
		Date Sampled	1/29/2019 7:00:00 AM	5/31/2019 7:00:00 AM
		Sample Depth (Feet Below Grade)	N/A	N/A
		Dilution Factor	1	1
		Unit	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	1.0 U	1 UJ
1,1,2,2-Tetrachloroethane	NS	NS	1.0 U	1 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	1.0 U	5 UJ
1,1,2-Trichloroethane	NS	NS	1.0 U	1 UJ
1,1-Dichloroethane	0.270	26.0	1.0 U	1 UJ
1,1-Dichloroethene	0.330	100	1.0 U	1 UJ
1,2,3-Trichlorobenzene	NS	NS	1.0 U	1 UJ
1,2,4-Trichlorobenzene	NS	NS	1.0 U	1 UJ
1,2-Dibromo-3-Chloropropane	NS	NS	1.0 U	2 UJ
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.0 U	1 UJ
1,2-Dichlorobenzene	1.10	100	1.0 U	1 UJ
1,2-Dichloroethane	0.0200	3.10	1.0 U	1 UJ
1,2-Dichloropropane	NS	NS	1.0 U	1 UJ
1,3-Dichlorobenzene	2.40	49.0	1.0 U	1 UJ
1,4-Dichlorobenzene	1.80	13.0	1.0 U	1 UJ
2-Hexanone	NS	NS	5.0 U	5 UJ
Acetone	0.0500	100	5.0 U	10 UJ
Benzene	0.0600	4.80	1.0 U	0.5 UJ
Bromochloromethane	NS	NS	1.0 U	1 UJ
Bromodichloromethane	NS	NS	1.0 U	1 UJ
Bromoform	NS	NS	1.0 U	1 UJ
Bromomethane	NS	NS	1.0 U	2 UJ
Carbon Disulfide	NS	NS	1.0 U	2 UJ
Carbon Tetrachloride	0.760	2.40	1.0 U	1 UJ
Chlorobenzene	1.10	100	1.0 U	1 UJ
Chloroethane	NS	NS	1.0 U	1 UJ
Chloroform	0.370	49.0	1.0 U	1 UJ
Chloromethane	NS	NS	1.0 U	1 UJ
Cis-1,2-Dichloroethylene	0.250	100	1.0 U	1 UJ
Cis-1,3-Dichloropropene	NS	NS	1.0 U	1 UJ
Cyclohexane	NS	NS	1.0 U	5 UJ
Dibromochloromethane	NS	NS	1.0 U	1 UJ
Dichlorodifluoromethane	NS	NS	1.0 U	2 UJ
Ethylbenzene	1.00	41.0	1.0 U	1 UJ
Isopropylbenzene (Cumene)	NS	NS	1.0 U	1 UJ
M,P-Xylene	NS	NS	1.0 U	1 UJ
Methyl Acetate	NS	NS	5.0 U	5 UJ
Methyl Ethyl Ketone (2-Butanone)	0.120	100	5.0 U	10 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	5.0 U	5 UJ
Methylcyclohexane	NS	NS	1.0 U	5 UJ
Methylene Chloride	0.0500	100	1.0 U	2 UJ
O-Xylene (1,2-Dimethylbenzene)	NS	NS	1.0 U	1 UJ
Styrene	NS	NS	1.0 U	1 UJ
Tert-Butyl Methyl Ether	0.930	100	1.0 U	1 UJ
Tetrachloroethylene (PCE)	1.30	19.0	1.0 U	1 UJ
Toluene	0.700	100	1.0 U	1 UJ
Trans-1,2-Dichloroethene	0.190	100	1.0 U	1 UJ
Trans-1,3-Dichloropropene	NS	NS	1.0 U	1 UJ
Trichloroethylene (TCE)	0.470	21.0	1.0 U	1 UJ
Trichlorofluoromethane	NS	NS	1.0 U	2 UJ
Vinyl Chloride	0.0200	0.900	1.0 U	1 UJ
Xylenes, Total	0.260	100	1 U	1 UJ

Table 6b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	EP-1 (15) 20180822	EP-A2(16)20180926	EP-2 (15) 20180823	EP-3 (22) 20180823	EP-4 (15) 20180822	EP-X (15) 20180822
		Laboratory Sample ID	JC72361-1	JC74509-3	JC72361-7	JC72361-8	JC72361-2	JC72361-3
		Date Sampled	8/22/2018 10:00:00 AM	9/26/2018 2:35:00 PM	8/23/2018 10:30:00 AM	8/23/2018 10:45:00 AM	8/22/2018 10:35:00 AM	8/22/2018 11:20:00 AM
		Sample Depth (Feet Below Grade)	15	16	15	22	15	15
		Dilution Factor	1	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.18 U	0.19 U	0.18 UJ	0.19 UJ	0.18 U	0.19 U
2,4,5-Trichlorophenol	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
2,4,6-Trichlorophenol	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
2,4-Dichlorophenol	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
2,4-Dimethylphenol	NS	NS	0.18 UJ	0.19 U	0.18 U	0.19 U	0.18 UJ	0.19 UJ
2,4-Dinitrophenol	NS	NS	0.18 U	0.19 UJ	0.18 U	0.19 U	0.18 U	0.19 U
2,4-Dinitrotoluene	NS	NS	0.035 U	0.039 U	0.036 U	0.038 U	0.036 U	0.037 U
2,6-Dinitrotoluene	NS	NS	0.035 U	0.039 U	0.036 U	0.038 U	0.036 U	0.037 U
2-Chloronaphthalene	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
2-Chlorophenol	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
2-Methylnaphthalene	NS	NS	0.035 U	0.039 U	0.036 U	0.038 U	0.036 U	0.037 U
2-Methylphenol (O-Cresol)	0.330	100	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
2-Nitroaniline	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
2-Nitrophenol	NS	NS	0.18 U	0.19 U	0.18 UJ	0.19 UJ	0.18 U	0.19 U
3,3'-Dichlorobenzidine	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
3-Nitroaniline	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.18 U	0.19 UJ	0.18 UJ	0.19 UJ	0.18 U	0.19 U
4-Bromophenyl Phenyl Ether	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
4-Chloro-3-Methylphenol	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
4-Chloroaniline	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	NR	NR	NR	NR
4-Nitroaniline	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
4-Nitrophenol	NS	NS	0.35 U	0.39 U	0.36 U	0.38 U	0.36 U	0.37 U
Acenaphthene	20.0	100	0.035 U	0.134	0.036 U	0.038 U	0.036 U	0.037 U
Acenaphthylene	100	100	0.035 U	0.0833	0.172	0.038 U	0.036 U	0.037 U
Acetophenone	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
Anthracene	100	100	0.035 U	0.213	0.124	0.038 U	0.036 U	0.0323 J
Atrazine	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Benzaldehyde	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
Benzo(a)Anthracene	1.00	1.00	0.035 U	0.483	0.602	0.038 U	0.0956	0.113
Benzo(a)Pyrene	1.00	1.00	0.035 U	0.49	0.763	0.038 U	0.101	0.11
Benzo(b)Fluoranthene	1.00	1.00	0.035 U	0.575	0.993	0.038 U	0.117	0.133
Benzo(g,h,i)Perylene	100	100	0.035 U	0.335	0.689	0.038 U	0.0813	0.0855
Benzo(k)Fluoranthene	0.800	3.90	0.035 U	0.205	0.309	0.038 U	0.0542	0.0503
Benzyl Butyl Phthalate	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Biphenyl (Diphenyl)	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.071 U	0.077 U	0.0572 J	0.077 U	0.071 U	0.074 U
Caprolactam	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Carbazole	NS	NS	0.071 U	0.0664 J	0.101	0.077 U	0.071 U	0.0159 J
Chrysene	1.00	3.90	0.035 U	0.497	0.68	0.038 U	0.0963	0.118
Dibenz(a,h)Anthracene	0.330	0.330	0.035 U	0.0665	0.135	0.038 U	0.0192 J	0.0199 J
Dibenzofuran	7.00	59.0	0.071 U	0.0709 J	0.073 U	0.077 U	0.071 U	0.074 U
Diethyl Phthalate	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Dimethyl Phthalate	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Di-N-Butyl Phthalate	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Di-N-Octylphthalate	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Fluoranthene	100	100	0.035 U	1.03	0.934	0.038 U	0.185	0.276
Fluorene	30.0	100	0.035 U	0.194	0.036 U	0.038 U	0.036 U	0.037 U
Hexachlorobenzene	0.330	1.20	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Hexachlorobutadiene	NS	NS	0.035 U	0.039 U	0.036 U	0.038 U	0.036 U	0.037 U
Hexachlorocyclopentadiene	NS	NS	0.35 U	0.39 U	0.36 U	0.38 U	0.36 U	0.37 U
Hexachloroethane	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	0.035 U	0.332	**0.577**	0.038 U	0.0814	0.0831
Isophorone	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Naphthalene	12.0	100	0.035 U	0.039 U	0.036 U	0.038 U	0.036 U	0.037 U
Nitrobenzene	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
N-Nitrosodi-N-Propylamine	NS	NS	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
N-Nitrosodiphenylamine	NS	NS	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U
Pentachlorophenol	0.800	6.70	0.14 U	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U
Phenanthrene	100	100	0.035 U	0.582	0.356	0.038 U	0.0829	0.167
Phenol	0.330	100	0.071 U	0.077 U	0.073 U	0.077 U	0.071 U	0.074 U
Pyrene	100	100	0.035 U	0.942	0.966	0.038 U	0.166	0.22

Table 6b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	EP-X(16)20180926	EP-5 (15) 20180823	EP-6 (20) 20180823	EP-7_13_20181019	EP-X_13_20181019	EP-8_11_20181019
		Laboratory Sample ID	JC74509-4	JC72361-9	JC72361-6	JC76263-3A	JC76263-4A	JC76263-5A
		Date Sampled	9/26/2018 2:45:00 PM	8/23/2018 11:05:00 AM	8/23/2018 9:50:00 AM	10/19/2018 9:40:00 AM	10/19/2018 9:50:00 AM	10/19/2018 9:20:00 AM
		Sample Depth (Feet Below Grade)	16	15	20	13	13	11
		Dilution Factor	1	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.19 U	0.18 UJ	0.19 U	0.19 U	0.19 U	0.18 U
2,4,5-Trichlorophenol	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
2,4,6-Trichlorophenol	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
2,4-Dichlorophenol	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
2,4-Dimethylphenol	NS	NS	0.19 U	0.18 U	0.19 UJ	0.19 U	0.19 U	0.18 U
2,4-Dinitrophenol	NS	NS	0.19 U	0.18 U	0.19 U	0.19 UJ	0.19 UJ	0.18 R
2,4-Dinitrotoluene	NS	NS	0.038 U	0.036 U	0.037 U	0.038 U	0.039 U	0.037 U
2,6-Dinitrotoluene	NS	NS	0.038 U	0.036 U	0.037 U	0.038 U	0.039 U	0.037 U
2-Chloronaphthalene	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
2-Chlorophenol	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
2-Methylnaphthalene	NS	NS	0.0495	0.036 U	0.037 U	0.038 U	0.039 U	0.037 U
2-Methylphenol (O-Cresol)	0.330	100	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
2-Nitroaniline	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
2-Nitrophenol	NS	NS	0.19 U	0.18 UJ	0.19 U	0.19 U	0.19 U	0.18 U
3,3'-Dichlorobenzidine	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
3-Nitroaniline	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.19 U	0.18 UJ	0.19 U	0.19 U	0.19 U	0.18 R
4-Bromophenyl Phenyl Ether	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 UJ
4-Chloro-3-Methylphenol	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
4-Chloroaniline	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	NR	NR	NR	NR
4-Nitroaniline	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
4-Nitrophenol	NS	NS	0.38 U	0.36 U	0.37 U	0.38 U	0.39 U	0.37 U
Acenaphthene	20.0	100	0.178	0.036 U	0.037 U	0.038 U	0.039 U	0.037 U
Acenaphthylene	100	100	0.123	0.036 U	0.037 U	0.038 U	0.039 U	0.0602
Acetophenone	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
Anthracene	100	100	0.233	0.036 U	0.037 U	0.038 U	0.0255 J	0.0597
Atrazine	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Benzaldehyde	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
Benzo(a)Anthracene	1.00	1.00	0.61	0.036 U	0.0235 J	0.0692	0.0949	0.198
Benzo(a)Pyrene	1.00	1.00	0.638	0.036 U	0.0195 J	0.0807	0.0999	0.215
Benzo(b)Fluoranthene	1.00	1.00	0.718	0.036 U	0.0244 J	0.0905	0.126	0.281
Benzo(g,h,i)Perylene	100	100	0.423	0.036 U	0.037 U	0.0629	0.072	0.172
Benzo(k)Fluoranthene	0.800	3.90	0.235	0.036 U	0.037 U	0.0415	0.0435	0.108
Benzyl Butyl Phthalate	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.0241 J
Biphenyl (Diphenyl)	NS	NS	0.0172 J	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.0977	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Caprolactam	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Carbazole	NS	NS	0.0637 J	0.073 U	0.074 U	0.076 U	0.078 U	0.0278 J
Chrysene	1.00	3.90	0.634	0.036 U	0.0231 J	0.0828	0.105	0.226
Dibenz(a,h)Anthracene	0.330	0.330	0.0857	0.036 U	0.037 U	0.038 U	0.039 U	0.037
Dibenzofuran	7.00	59.0	0.0991	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Diethyl Phthalate	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Dimethyl Phthalate	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Di-N-Butyl Phthalate	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 UJ
Di-N-Octylphthalate	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Fluoranthene	100	100	1.18	0.036 U	0.0438	0.142	0.166	0.37 JK
Fluorene	30.0	100	0.259	0.036 U	0.037 U	0.038 U	0.039 U	0.0176 J
Hexachlorobenzene	0.330	1.20	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Hexachlorobutadiene	NS	NS	0.038 U	0.036 U	0.037 U	0.038 U	0.039 U	0.037 U
Hexachlorocyclopentadiene	NS	NS	0.38 U	0.36 U	0.37 U	0.38 U	0.39 U	0.37 U
Hexachloroethane	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	0.427	0.036 U	0.037 U	0.0572	0.0677	0.167
Isophorone	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
Naphthalene	12.0	100	0.0328 J	0.036 U	0.037 U	0.038 U	0.039 U	0.037 U
Nitrobenzene	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
N-Nitrosodi-N-Propylamine	NS	NS	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 U
N-Nitrosodiphenylamine	NS	NS	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
Pentachlorophenol	0.800	6.70	0.15 U	0.15 U	0.15 U	0.15 UJ	0.16 UJ	0.15 UJ
Phenanthrene	100	100	0.591	0.036 U	0.0247 J	0.0758	0.0843	0.195 JK
Phenol	0.330	100	0.076 U	0.073 U	0.074 U	0.076 U	0.078 U	0.073 UJ
Pyrene	100	100	1.17	0.036 U	0.0373	0.142	0.176	0.37 JK

Table 6b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	EP-9_7_20181204	EP-X_7_20181204	EP-10_5_20190129	EP-11_5_20190129	EP-12_3_20190129	EP-X_3_20190129
		Laboratory Sample ID	JC79057-1	JC79057-2	460-174649-1	460-174649-3	460-174649-4	460-174649-2
		Date Sampled	12/4/2018 10:10:00 AM	12/4/2018 10:30:00 AM	1/29/2019 2:30:00 PM	1/29/2019 2:00:00 PM	1/29/2019 2:40:00 PM	1/29/2019 2:50:00 PM
		Sample Depth (Feet Below Grade)	7	7	5	5	3	3
		Dilution Factor	2	2	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
2,4,5-Trichlorophenol	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
2,4,6-Trichlorophenol	NS	NS	0.44 U	0.4 U	0.2 U	0.19 U	0.15 U	0.18 U
2,4-Dichlorophenol	NS	NS	0.44 U	0.4 U	0.2 U	0.19 U	0.15 U	0.18 U
2,4-Dimethylphenol	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
2,4-Dinitrophenol	NS	NS	0.44 UJ	0.4 UJ	0.4 UJ	0.38 UJ	0.31 UJ	0.36 UJ
2,4-Dinitrotoluene	NS	NS	0.087 U	0.08 U	0.1 U	0.095 U	0.077 U	0.09 U
2,6-Dinitrotoluene	NS	NS	0.087 U	0.08 U	0.1 U	0.095 U	0.077 U	0.09 U
2-Chloronaphthalene	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
2-Chlorophenol	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
2-Methylnaphthalene	NS	NS	0.0712 JD	0.0345 JDL	0.5 U	0.061 J	0.018 JL	0.11 J
2-Methylphenol (O-Cresol)	0.330	100	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
2-Nitroaniline	NS	NS	0.44 UJ	0.4 UJ	0.5 U	0.47 U	0.38 U	0.44 U
2-Nitrophenol	NS	NS	0.44 UJ	0.4 UJ	0.5 U	0.47 U	0.38 U	0.44 U
3,3'-Dichlorobenzidine	NS	NS	0.17 U	0.16 U	0.2 U	0.19 U	0.15 U	0.18 U
3-Nitroaniline	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.44 U	0.4 U	0.4 U	0.38 UJ	0.31 U	0.36 U
4-Bromophenyl Phenyl Ether	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
4-Chloro-3-Methylphenol	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
4-Chloroaniline	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	0.5 U	0.024 J	0.013 J	0.012 J
4-Nitroaniline	NS	NS	0.44 UJ	0.4 UJ	0.5 U	0.47 U	0.38 U	0.44 U
4-Nitrophenol	NS	NS	0.87 UJ	0.8 UJ	1 U	0.95 U	0.77 U	0.9 U
Acenaphthene	20.0	100	0.116 D	0.0557 JDL	0.5 U	0.041 J	0.046 JL	0.17 J
Acenaphthylene	100	100	0.936 D	0.689 D	0.069 J	0.67	0.54	0.52
Acetophenone	NS	NS	0.44 UJ	0.4 UJ	0.5 U	0.035 J	0.38 U	0.44 U
Anthracene	100	100	0.951 D	0.798 D	0.043 J	0.36 J	0.41	0.57
Atrazine	NS	NS	0.17 UJ	0.16 UJ	0.2 UJ	0.19 UJ	0.15 UJ	0.18 UJ
Benzaldehyde	NS	NS	0.0609 JD	0.0931 JD	0.5 U	0.083 J	0.017 J	0.025 J
Benzo(a)Anthracene	1.00	1.00	**3.03 D**	**2.32 D**	0.21	**2.1**	**1.7**	**2**
Benzo(a)Pyrene	1.00	1.00	**3.35 D**	**2.22 D**	0.2	**2.3**	**2**	**2**
Benzo(b)Fluoranthene	1.00	1.00	**4.37 D**	**2.96 D**	0.31	**3.7**	**3.1**	**3.1**
Benzo(g,h,i)Perylene	100	100	2.45 J	1.7 JD	0.16 J	1.7	1.6	1.4
Benzo(k)Fluoranthene	0.800	3.90	**1.61 D**	**1.18 D**	0.11	**1.4**	**0.95**	**1**
Benzyl Butyl Phthalate	NS	NS	0.156 JD	0.16 UJ	0.5 U	0.029 J	0.38 U	0.022 J
Biphenyl (Diphenyl)	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.056 J
Bis(2-Chloroethoxy) Methane	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.17 U	0.16 U	0.05 U	0.047 U	0.038 U	0.044 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.427 J	0.243 JD	0.5 U	0.52	0.073 JL	3.2
Caprolactam	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
Carbazole	NS	NS	0.533 D	0.598 D	0.04 J	0.32 J	0.27 J	0.47
Chrysene	1.00	3.90	**3.38 D**	**2.56 D**	0.21 J	**2.1**	**1.7**	**2.1**
Dibenz(a,h)Anthracene	0.330	0.330	**0.728 JD**	**0.459 JD**	0.026 J	**0.43 J**	**0.48 J**	**0.38 J**
Dibenzofuran	7.00	59.0	0.223 D	0.11 JD	0.5 U	0.074 J	0.048 JL	0.36 J
Diethyl Phthalate	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
Dimethyl Phthalate	NS	NS	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
Di-N-Butyl Phthalate	NS	NS	0.107 JD	0.0361 JDL	0.5 U	0.47 U	0.38 U	0.44 U
Di-N-Octylphthalate	NS	NS	0.17 UJ	0.16 UJ	0.5 U	0.47 U	0.38 U	0.29 J
Fluoranthene	100	100	5.87 D	4.88 D	0.47 J	3.7	3.5	5.5
Fluorene	30.0	100	0.318 D	0.161 D	0.5 U	0.1 J	0.085 JL	0.32 J
Hexachlorobenzene	0.330	1.20	0.17 U	0.16 U	0.05 U	0.047 U	0.038 U	0.044 U
Hexachlorobutadiene	NS	NS	0.087 U	0.08 U	0.1 U	0.095 U	0.077 U	0.09 U
Hexachlorocyclopentadiene	NS	NS	0.87 U	0.8 U	0.5 U	0.47 UJ	0.38 U	0.44 U
Hexachloroethane	NS	NS	0.44 U	0.4 U	0.05 U	0.047 UJ	0.038 U	0.044 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	**2.75 D**	**1.86 D**	0.21	**2.1**	**1.9**	**1.8**
Isophorone	NS	NS	0.17 U	0.16 U	0.2 U	0.19 U	0.15 U	0.18 U
Naphthalene	12.0	100	0.119 D	0.107 D	0.5 U	0.12 J	0.039 JL	0.17 J
Nitrobenzene	NS	NS	0.17 U	0.16 U	0.05 U	0.047 U	0.038 U	0.044 U
N-Nitrosodi-N-Propylamine	NS	NS	0.17 UJ	0.16 UJ	0.05 U	0.047 U	0.038 U	0.044 U
N-Nitrosodiphenylamine	NS	NS	0.44 U	0.4 U	0.5 U	0.47 U	0.38 U	0.44 U
Pentachlorophenol	0.800	6.70	0.35 U	0.32 U	0.4 UJ	0.38 UJ	0.31 UJ	0.36 UJ
Phenanthrene	100	100	4.34 D	3.98 D	0.23 J	1.8	1.5 JL	4.4
Phenol	0.330	100	0.17 U	0.16 U	0.5 U	0.47 U	0.38 U	0.44 U
Pyrene	100	100	6.23 D	4.77 D	0.34 J	3.4	2.6	3.9

Table 6b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	EP-13_10_20190114	EP-14_10_20190111	EP-X_10_20190111	EP-15_5_20190111	EP-15_5_20190111	EP-16_2_20190531
		Laboratory Sample ID	JC81251-6	JC81251-1	JC81251-2	JC81251-3	JC81251-3	JC89045-1
		Date Sampled	1/14/2019 3:00:00 PM	1/11/2019 8:40:00 AM	1/11/2019 8:50:00 AM	1/11/2019 9:15:00 AM	1/11/2019 9:15:00 AM	5/31/2019 2:50:00 PM
		Sample Depth (Feet Below Grade)	10	10	10	5	2	2
		Dilution Factor	2	1	1	1	5	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.4 UJ	0.18 U	0.18 U	0.19 U	NR	0.18 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.4 UJ	0.18 U	0.18 U	0.19 U	NR	0.18 U
2,4,5-Trichlorophenol	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
2,4,6-Trichlorophenol	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
2,4-Dichlorophenol	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
2,4-Dimethylphenol	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
2,4-Dinitrophenol	NS	NS	0.4 UJ	0.18 UJ	0.18 UJ	0.19 R	NR	0.18 UJ
2,4-Dinitrotoluene	NS	NS	0.079 U	0.037 U	0.035 U	0.037 U	NR	0.037 U
2,6-Dinitrotoluene	NS	NS	0.079 U	0.037 U	0.035 U	0.037 U	NR	0.037 U
2-Chloronaphthalene	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
2-Chlorophenol	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
2-Methylnaphthalene	NS	NS	0.0674 JD	0.037 U	0.0135 J	0.0457	NR	0.0131 J
2-Methylphenol (O-Cresol)	0.330	100	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
2-Nitroaniline	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
2-Nitrophenol	NS	NS	0.4 U	0.18 UJ	0.18 UJ	0.19 UJ	NR	0.18 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.074 UJ	0.071 UJ	0.074 UJ	NR	0.073 U
3-Nitroaniline	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.4 UJ	0.18 U	0.18 U	0.19 R	NR	0.18 U
4-Bromophenyl Phenyl Ether	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
4-Chloro-3-Methylphenol	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
4-Chloroaniline	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	NR	NR	NR	NR
4-Nitroaniline	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
4-Nitrophenol	NS	NS	0.79 U	0.37 U	0.35 U	0.37 U	NR	0.37 U
Acenaphthene	20.0	100	0.0659 JD	0.037 U	0.0164 J	0.15	NR	0.0389
Acenaphthylene	100	100	0.7 D	0.0393	0.0462	0.57	NR	0.107
Acetophenone	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
Anthracene	100	100	0.681 D	0.0445	0.0605	1.19	NR	0.153
Atrazine	NS	NS	0.16 UJ	0.074 UJ	0.071 UJ	0.074 UJ	NR	0.073 UJ
Benzaldehyde	NS	NS	0.4 U	0.18 UJ	0.0289 J	0.0252 J	NR	0.18 U
Benzo(a)Anthracene	1.00	1.00	**2.45 D**	0.176	0.194	**3**	NR	0.44
Benzo(a)Pyrene	1.00	1.00	**2.01 D**	0.203	0.22	**2.64**	NR	0.488
Benzo(b)Fluoranthene	1.00	1.00	**2.91 D**	0.248	0.256	**3.34**	NR	0.671
Benzo(g,h,i)Perylene	100	100	1.31 D	0.158	0.17	1.51	NR	0.367
Benzo(k)Fluoranthene	0.800	3.90	**1.08 D**	0.102	0.116	**1.3**	NR	0.243
Benzyl Butyl Phthalate	NS	NS	0.219 D	0.074 U	0.071 U	0.074 U	NR	0.073 U
Biphenyl (Diphenyl)	NS	NS	0.0192 JD	0.074 U	0.071 U	0.0203 J	NR	0.073 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.141 JD	0.0167 J	0.0184 J	0.074 U	NR	0.0638 J
Caprolactam	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Carbazole	NS	NS	0.519 D	0.0266 J	0.0388 J	0.415	NR	0.0808
Chrysene	1.00	3.90	**2.64 D**	0.202	0.227	**3.09**	NR	0.483
Dibenz(a,h)Anthracene	0.330	0.330	**0.351 D**	0.0346 J	0.0383	**0.423**	NR	0.0798
Dibenzofuran	7.00	59.0	0.157 JD	0.074 U	0.016 J	0.311	NR	0.0213 J
Diethyl Phthalate	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Dimethyl Phthalate	NS	NS	0.127 JD	0.074 U	0.071 U	0.074 U	NR	0.073 U
Di-N-Butyl Phthalate	NS	NS	0.0778 JD	0.074 U	0.071 U	0.0625 J	NR	0.0187 J
Di-N-Octylphthalate	NS	NS	0.16 UJ	0.074 UJ	0.071 UJ	0.074 UJ	NR	0.073 U
Fluoranthene	100	100	6.13 D	0.316	0.373	NR	9.24 D	0.951
Fluorene	30.0	100	0.13 D	0.037 U	0.019 J	0.563	NR	0.0458
Hexachlorobenzene	0.330	1.20	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Hexachlorobutadiene	NS	NS	0.079 U	0.037 U	0.035 U	0.037 U	NR	0.037 U
Hexachlorocyclopentadiene	NS	NS	0.79 U	0.37 U	0.35 U	0.37 U	NR	0.37 U
Hexachloroethane	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	**1.22 D**	0.169 J	0.178 J	**1.5 J**	NR	0.374
Isophorone	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Naphthalene	12.0	100	0.102 D	0.037 U	0.0347 J	0.0606	NR	0.0235 J
Nitrobenzene	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
N-Nitrosodi-N-Propylamine	NS	NS	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
N-Nitrosodiphenylamine	NS	NS	0.4 U	0.18 U	0.18 U	0.19 U	NR	0.18 U
Pentachlorophenol	0.800	6.70	0.32 UJ	0.15 UJ	0.14 UJ	0.15 UJ	NR	0.15 U
Phenanthrene	100	100	3.42 D	0.169	0.244	NR	8.05 D	0.664
Phenol	0.330	100	0.16 U	0.074 U	0.071 U	0.074 U	NR	0.073 U
Pyrene	100	100	4.89 D	0.377	0.429	NR	6.83 D	0.809

Table 6b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	EP-17_2_20190531	EP-18_2_20190531	EP-18_2_20190531	EP-X_2_20190531	EP-X_2_20190531	FB-20180822
		Laboratory Sample ID	JC89045-2	JC89045-3	JC89045-3	JC89045-4	JC89045-4	JC72361-4
		Date Sampled	5/31/2019 2:55:00 PM	5/31/2019 3:15:00 PM	5/31/2019 3:15:00 PM	5/31/2019 3:20:00 PM	5/31/2019 3:20:00 PM	8/22/2018 2:50:00 PM
		Sample Depth (Feet Below Grade)	2	2	N/A	N/A	N/A	N/A
		Dilution Factor	1	1	10	1	10	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	1.9 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
2,4,5-Trichlorophenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
2,4,6-Trichlorophenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
2,4-Dichlorophenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	1.9 U
2,4-Dimethylphenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
2,4-Dinitrophenol	NS	NS	0.18 UJ	0.19 UJ	NR	0.19 UJ	NR	4.8 U
2,4-Dinitrotoluene	NS	NS	0.035 U	0.038 U	NR	0.038 U	NR	0.95 U
2,6-Dinitrotoluene	NS	NS	0.035 U	0.038 U	NR	0.038 U	NR	0.95 U
2-Chloronaphthalene	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
2-Chlorophenol	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	4.8 U
2-Methylnaphthalene	NS	NS	0.024 J	0.0695	NR	0.0746	NR	0.95 U
2-Methylphenol (O-Cresol)	0.330	100	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
2-Nitroaniline	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
2-Nitrophenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
3,3'-Dichlorobenzidine	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
3-Nitroaniline	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
4-Bromophenyl Phenyl Ether	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
4-Chloro-3-Methylphenol	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
4-Chloroaniline	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	NR	NR	NR	NR
4-Nitroaniline	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
4-Nitrophenol	NS	NS	0.35 U	0.38 U	NR	0.38 U	NR	9.5 U
Acenaphthene	20.0	100	0.113	0.22	NR	0.286	NR	0.95 U
Acenaphthylene	100	100	0.225	1.38	NR	1.77	NR	0.95 U
Acetophenone	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	1.9 U
Anthracene	100	100	0.637	1.47	NR	1.9	NR	0.95 U
Atrazine	NS	NS	0.07 UJ	0.077 UJ	NR	0.076 UJ	NR	1.9 U
Benzaldehyde	NS	NS	0.18 U	0.19 U	NR	0.0306 J	NR	4.8 U
Benzo(a)Anthracene	1.00	1.00	**1.39**	NR	**4.54 D**	NR	**6.8 D**	0.95 U
Benzo(a)Pyrene	1.00	1.00	**1.49**	NR	**5.2 D**	NR	**7.26 D**	0.95 U
Benzo(b)Fluoranthene	1.00	1.00	**1.85**	NR	**6.96 D**	NR	**9.38 D**	0.95 U
Benzo(g,h,i)Perylene	100	100	1.06	3.65	NR	NR	5.57 D	0.95 U
Benzo(k)Fluoranthene	0.800	3.90	0.638	**2.13**	NR	**2.35**	NR	0.95 U
Benzyl Butyl Phthalate	NS	NS	0.0908	0.0603 J	NR	0.0887	NR	1.9 U
Biphenyl (Diphenyl)	NS	NS	0.0103 J	0.0265 J	NR	0.0294 J	NR	0.95 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.64	0.278	NR	0.359	NR	1.9 U
Caprolactam	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Carbazole	NS	NS	0.231	0.986	NR	1.2	NR	0.95 U
Chrysene	1.00	3.90	**1.42**	NR	**4.82 D**	NR	**7.34 D**	0.95 U
Dibenz(a,h)Anthracene	0.330	0.330	0.265	**0.892**	NR	**1.1**	NR	0.95 U
Dibenzofuran	7.00	59.0	0.0788	0.238	NR	0.256	NR	4.8 U
Diethyl Phthalate	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Dimethyl Phthalate	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Di-N-Butyl Phthalate	NS	NS	0.0304 J	0.17	NR	0.106	NR	1.9 U
Di-N-Octylphthalate	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Fluoranthene	100	100	3.33	NR	11.1 D	NR	15.1 D	0.95 U
Fluorene	30.0	100	0.181	0.372	NR	0.449	NR	0.95 U
Hexachlorobenzene	0.330	1.20	0.07 U	0.077 U	NR	0.076 U	NR	0.95 U
Hexachlorobutadiene	NS	NS	0.035 U	0.038 U	NR	0.038 U	NR	0.95 U
Hexachlorocyclopentadiene	NS	NS	0.35 U	0.38 U	NR	0.38 U	NR	9.5 U
Hexachloroethane	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	1.9 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	**1.02**	**3.64**	NR	NR	**5.62 D**	0.95 U
Isophorone	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Naphthalene	12.0	100	0.0328 J	0.112	NR	0.111	NR	0.95 U
Nitrobenzene	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
N-Nitrosodi-N-Propylamine	NS	NS	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
N-Nitrosodiphenylamine	NS	NS	0.18 U	0.19 U	NR	0.19 U	NR	4.8 U
Pentachlorophenol	0.800	6.70	0.14 U	0.15 U	NR	0.15 U	NR	3.8 U
Phenanthrene	100	100	2.15	NR	6.35 D	NR	8.73 D	0.95 U
Phenol	0.330	100	0.07 U	0.077 U	NR	0.076 U	NR	1.9 U
Pyrene	100	100	2.06	NR	8.06 D	NR	13.5 D	0.95 U

Table 6b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	FB_20181019	FB_20181204	FB_20190111	FB_20190129	FB_20190531
		Laboratory Sample ID	JC76263-1A	JC79057-3	JC81251-4	460-174649-5	JC89045-5
		Date Sampled	10/19/2018 10:20:00 AM	12/4/2018 11:40:00 AM	1/11/2019 2:30:00 PM	1/29/2019 4:00:00 PM	5/31/2019 3:40:00 PM
		Sample Depth (Feet Below Grade)	N/A	N/A	N/A	N/A	N/A
		Dilution Factor	1	1	1	1	1
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
2,3,4,6-Tetrachlorophenol	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
2,4,5-Trichlorophenol	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
2,4,6-Trichlorophenol	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
2,4-Dichlorophenol	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
2,4-Dimethylphenol	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
2,4-Dinitrophenol	NS	NS	5 UJ	4.8 U	5 U	20 UJ	4.9 UJ
2,4-Dinitrotoluene	NS	NS	1 U	0.95 U	0.99 U	2.0 UJ	0.98 U
2,6-Dinitrotoluene	NS	NS	1 U	0.95 U	0.99 U	2.0 UJ	0.98 U
2-Chloronaphthalene	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
2-Chlorophenol	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
2-Methylnaphthalene	NS	NS	1 U	0.95 U	0.99 U	10 UJ	0.98 U
2-Methylphenol (O-Cresol)	0.330	100	2 U	1.9 U	2 U	10 UJ	2 U
2-Nitroaniline	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
2-Nitrophenol	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
3,3'-Dichlorobenzidine	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
3-Nitroaniline	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
4,6-Dinitro-2-Methylphenol	NS	NS	5 U	4.8 U	5 UJ	20 UJ	4.9 U
4-Bromophenyl Phenyl Ether	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
4-Chloro-3-Methylphenol	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
4-Chloroaniline	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
4-Chlorophenyl Phenyl Ether	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	NR	10 UJ	NR
4-Nitroaniline	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
4-Nitrophenol	NS	NS	10 U	9.5 U	9.9 UJ	20 UJ	9.8 U
Acenaphthene	20.0	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Acenaphthylene	100	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Acetophenone	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Anthracene	100	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Atrazine	NS	NS	2 U	1.9 U	2 UJ	2.0 UJ	2 U
Benzaldehyde	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
Benzo(a)Anthracene	1.00	1.00	1 U	0.95 U	0.99 U	1.0 UJ	0.98 U
Benzo(a)Pyrene	1.00	1.00	1 U	0.95 U	0.99 U	1.0 UJ	0.98 U
Benzo(b)Fluoranthene	1.00	1.00	1 U	0.95 U	0.99 U	2.0 UJ	0.98 U
Benzo(g,h,i)Perylene	100	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Benzo(k)Fluoranthene	0.800	3.90	1 U	0.95 U	0.99 U	1.0 UJ	0.98 U
Benzyl Butyl Phthalate	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Biphenyl (Diphenyl)	NS	NS	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Bis(2-Chloroethoxy) Methane	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	2 U	1.9 U	2 U	1.0 UJ	2 U
Bis(2-Chloroisopropyl) Ether	NS	NS	2 U	1.9 U	2 U	10 UJ	2 UJ
Bis(2-Ethylhexyl) Phthalate	NS	NS	2 U	1.9 U	2 U	2.0 UJ	2 U
Caprolactam	NS	NS	2 U	1.9 U	2 U	10 UJ	2 UJ
Carbazole	NS	NS	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Chrysene	1.00	3.90	1 U	0.95 U	0.99 U	2.0 UJ	0.98 U
Dibenz(a,h)Anthracene	0.330	0.330	1 U	0.95 U	0.99 U	1.0 UJ	0.98 U
Dibenzofuran	7.00	59.0	5 U	4.8 U	5 U	10 UJ	4.9 U
Diethyl Phthalate	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Dimethyl Phthalate	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Di-N-Butyl Phthalate	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Di-N-Octylphthalate	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Fluoranthene	100	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Fluorene	30.0	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Hexachlorobenzene	0.330	1.20	1 U	0.95 U	0.99 U	1.0 UJ	0.98 U
Hexachlorobutadiene	NS	NS	1 U	0.95 U	0.99 U	1.0 UJ	0.98 U
Hexachlorocyclopentadiene	NS	NS	10 U	9.5 U	9.9 U	10 UJ	9.8 U
Hexachloroethane	NS	NS	2 U	1.9 U	2 U	2.0 UJ	2 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	1 U	0.95 U	0.99 U	2.0 UJ	0.98 U
Isophorone	NS	NS	2 U	1.9 U	2 U	10 UJ	2 U
Naphthalene	12.0	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Nitrobenzene	NS	NS	2 U	1.9 U	2 U	1.0 UJ	2 U
N-Nitrosodi-N-Propylamine	NS	NS	2 U	1.9 U	2 U	1.0 UJ	2 U
N-Nitrosodiphenylamine	NS	NS	5 U	4.8 U	5 U	10 UJ	4.9 U
Pentachlorophenol	0.800	6.70	4 UJ	3.8 U	4 U	20 UJ	3.9 U
Phenanthrene	100	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U
Phenol	0.330	100	2 U	1.9 U	2 U	10 UJ	2 U
Pyrene	100	100	1 U	0.95 U	0.99 U	10 UJ	0.98 U

Table 6c
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	EP-1 (15) 20180822	EP-A2(16)20180926	EP-2 (15) 20180823	EP-3 (22) 20180823
		Laboratory Sample ID	JC72361-1	JC74509-3	JC72361-7	JC72361-8
		Date Sampled	8/22/2018 10:00:00 AM	9/26/2018 2:35:00 PM	8/23/2018 10:30:00 AM	8/23/2018 10:45:00 AM
		Sample Depth (Feet Below Grade)	15	16	15	22
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Alpha Endosulfan	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Beta Endosulfan	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Chlordane, Total	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U
cis-Chlordane	0.0940	4.20	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Dieldrin	0.00500	0.200	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Endosulfan Sulfate	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Endrin	0.0140	11.0	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Endrin Aldehyde	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Endrin Ketone	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Gamma Bhc (Lindane)	0.100	1.30	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Heptachlor	0.0420	2.10	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Heptachlor Epoxide	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U
Methoxychlor	NS	NS	0.0013 U	0.0016 U	0.0014 U	0.0014 U
P,P'-DDD	0.00330	13.0	0.00067 U	0.00078 U	0.0007 U	0.00071 U
P,P'-DDE	0.00330	8.90	0.00067 U	0.00078 U	0.0007 U	0.00071 U
P,P'-DDT	0.00330	7.90	0.00067 U	0.0031 J	0.0007 U	0.00071 U
Toxaphene	NS	NS	0.017 U	0.019 U	0.018 U	0.018 U
trans-Chlordane	NS	NS	0.00067 U	0.00078 U	0.0007 U	0.00071 U

Table 6c
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	EP-4 (15) 20180822	EP-X (15) 20180822	EP-X(16)20180926	EP-5 (15) 20180823
		Laboratory Sample ID	JC72361-2	JC72361-3	JC74509-4	JC72361-9
		Date Sampled	8/22/2018 10:35:00 AM	8/22/2018 11:20:00 AM	9/26/2018 2:45:00 PM	8/23/2018 11:05:00 AM
		Sample Depth (Feet Below Grade)	15	15	16	15
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Alpha Endosulfan	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Beta Endosulfan	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Chlordane, Total	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U
cis-Chlordane	0.0940	4.20	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Dieldrin	0.00500	0.200	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Endosulfan Sulfate	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Endrin	0.0140	11.0	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Endrin Aldehyde	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Endrin Ketone	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Gamma Bhc (Lindane)	0.100	1.30	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Heptachlor	0.0420	2.10	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Heptachlor Epoxide	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U
Methoxychlor	NS	NS	0.0014 U	0.0015 U	0.0015 U	0.0014 U
P,P'-DDD	0.00330	13.0	0.0007 U	0.00076 U	0.00077 U	0.00071 U
P,P'-DDE	0.00330	8.90	0.0007 U	0.00076 U	0.00077 U	0.00071 U
P,P'-DDT	0.00330	7.90	0.0007 U	0.00076 U	0.0033	0.00071 U
Toxaphene	NS	NS	0.017 U	0.019 U	0.019 U	0.018 U
trans-Chlordane	NS	NS	0.0007 U	0.00076 U	0.00077 U	0.00071 U

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Pesticides

		AKRF Sample ID	EP-6 (20) 20180823	EP-7_13_20181019	EP-X_13_20181019	EP-8_11_20181019
		Laboratory Sample ID	JC72361-6	JC76263-3A	JC76263-4A	JC76263-5A
		Date Sampled	8/23/2018 9:50:00 AM	10/19/2018 9:40:00 AM	10/19/2018 9:50:00 AM	10/19/2018 9:20:00 AM
		Sample Depth (Feet Below Grade)	20	13	13	11
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Alpha Endosulfan	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Beta Endosulfan	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Chlordane, Total	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U
cis-Chlordane	0.0940	4.20	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Dieldrin	0.00500	0.200	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Endosulfan Sulfate	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Endrin	0.0140	11.0	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Endrin Aldehyde	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Endrin Ketone	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Gamma Bhc (Lindane)	0.100	1.30	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Heptachlor	0.0420	2.10	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Heptachlor Epoxide	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U
Methoxychlor	NS	NS	0.0014 U	0.0014 U	0.0015 U	0.0014 U
P,P'-DDD	0.00330	13.0	0.0007 U	0.00071 U	0.00074 U	0.0012
P,P'-DDE	0.00330	8.90	0.0007 U	0.00071 U	0.00074 U	0.0007 U
P,P'-DDT	0.00330	7.90	0.0007 U	0.00071 U	0.00074 U	0.0016
Toxaphene	NS	NS	0.017 U	0.018 U	0.018 U	0.018 U
trans-Chlordane	NS	NS	0.0007 U	0.00071 U	0.00074 U	0.0007 U

Table 6c
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Pesticides

		AKRF Sample ID	EP-9_7_20181204	EP-X_7_20181204	EP-10_5_20190129	EP-11_5_20190129
		Laboratory Sample ID	JC79057-1	JC79057-2	460-174649-1	460-174649-3
		Date Sampled	12/4/2018 10:10:00 AM	12/4/2018 10:30:00 AM	1/29/2019 2:30:00 PM	1/29/2019 2:00:00 PM
		Sample Depth (Feet Below Grade)	7	7	5	5
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00089 U	0.00077 U	0.01 U	0.0095 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00089 U	0.00077 U	0.0030 U	0.0028 U
Alpha Endosulfan	NS	NS	0.00089 U	0.00077 U	0.01 U	0.0095 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00089 U	0.00077 U	0.0030 U	0.0028 U
Beta Endosulfan	NS	NS	0.00089 U	0.00077 U	0.01 U	0.0095 U
Chlordane, Total	NS	NS	0.00089 U	0.00077 U	0.1 U	0.095 U
cis-Chlordane	0.0940	4.20	0.00089 U	0.00077 U	NR	NR
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00089 U	0.00077 U	0.0030 U	0.0028 U
Dieldrin	0.00500	0.200	0.00089 U	0.00077 U	0.0030 U	0.0028 U
Endosulfan Sulfate	NS	NS	0.00089 U	0.00077 U	0.01 U	0.0095 U
Endrin	0.0140	11.0	0.00089 U	0.00077 U	0.01 U	0.0095 U
Endrin Aldehyde	NS	NS	0.00089 U	0.00077 U	0.01 U	0.0095 U
Endrin Ketone	NS	NS	0.00089 U	0.00077 U	0.01 U	0.0095 U
Gamma Bhc (Lindane)	0.100	1.30	0.00089 U	0.00077 U	0.0030 U	0.0028 U
Heptachlor	0.0420	2.10	0.00089 U	0.00077 U	0.01 U	0.0095 U
Heptachlor Epoxide	NS	NS	0.00089 U	0.00077 U	0.01 U	0.0095 U
Methoxychlor	NS	NS	0.0018 U	0.0015 U	0.01 U	0.0095 U
P,P'-DDD	0.00330	13.0	0.00089 U	0.00077 U	**0.0096 J**	0.0095 U
P,P'-DDE	0.00330	8.90	0.00089 U	**0.0041 JK**	**0.0077 J**	0.0095 U
P,P'-DDT	0.00330	7.90	**0.0127 JK**	**0.0129 JK**	**0.21**	**0.011 JKN**
Toxaphene	NS	NS	0.022 U	0.019 U	0.1 U	0.095 U
trans-Chlordane	NS	NS	0.00089 U	0.00077 U	NR	NR

Table 6c
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Post-Excavation Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	EP-12_3_20190129	EP-X_3_20190129	EP-13_10_20190114	EP-14_10_20190111
		Laboratory Sample ID	460-174649-4	460-174649-2	JC81251-6	JC81251-1
		Date Sampled	1/29/2019 2:40:00 PM	1/29/2019 2:50:00 PM	1/14/2019 3:00:00 PM	1/11/2019 8:40:00 AM
		Sample Depth (Feet Below Grade)	3	3	10	10
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.0023 U	0.0027 U	0.00074 U	0.00073 U
Alpha Endosulfan	NS	NS	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.0023 U	0.0027 U	0.00074 U	0.00073 U
Beta Endosulfan	NS	NS	0.0077 U	0.0090 U	0.00074 U	0.0017 JN
Chlordane, Total	NS	NS	0.077 U	0.09 U	0.0012 JK	0.00073 U
cis-Chlordane	0.0940	4.20	NR	NR	0.0012 JK	0.00073 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.0023 U	0.0027 U	0.00074 U	0.00073 U
Dieldrin	0.00500	0.200	0.0023 U	0.0027 U	0.00074 U	0.00073 U
Endosulfan Sulfate	NS	NS	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Endrin	0.0140	11.0	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Endrin Aldehyde	NS	NS	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Endrin Ketone	NS	NS	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Gamma Bhc (Lindane)	0.100	1.30	0.0023 U	0.0027 U	0.00074 U	0.00073 U
Heptachlor	0.0420	2.10	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Heptachlor Epoxide	NS	NS	0.0077 U	0.0090 U	0.00074 U	0.00073 U
Methoxychlor	NS	NS	0.0077 U	0.0090 U	0.0015 U	0.0015 U
P,P'-DDD	0.00330	13.0	**0.0075 J**	**0.0067 J**	0.0025 JK	0.00073 U
P,P'-DDE	0.00330	8.90	**0.0056 J**	**0.0058 J**	**0.0036 JK**	0.0011 JN
P,P'-DDT	0.00330	7.90	**0.16**	**0.038 JL**	**0.0206 JK**	**0.0095 J**
Toxaphene	NS	NS	0.077 U	0.09 U	0.019 U	0.018 U
trans-Chlordane	NS	NS	NR	NR	0.00074 U	0.00073 U

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Post-Excavation Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	EP-X_10_20190111	EP-15_5_20190111	EP-16_2_20190531	EP-17_2_20190531
		Laboratory Sample ID	JC81251-2	JC81251-3	JC89045-1	JC89045-2
		Date Sampled	1/11/2019 8:50:00 AM	1/11/2019 9:15:00 AM	5/31/2019 2:50:00 PM	5/31/2019 2:55:00 PM
		Sample Depth (Feet Below Grade)	10	5	2	2
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Alpha Endosulfan	NS	NS	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Beta Endosulfan	NS	NS	0.00071 U	0.001 JKN	0.00072 U	0.00073 U
Chlordane, Total	NS	NS	0.00071 U	0.003 JKN	0.00072 U	0.00099 J
cis-Chlordane	0.0940	4.20	0.00071 U	0.0012 JKN	0.00072 U	0.00073 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Dieldrin	0.00500	0.200	0.00071 U	0.00071 U	0.0026 JKN	0.00073 U
Endosulfan Sulfate	NS	NS	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Endrin	0.0140	11.0	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Endrin Aldehyde	NS	NS	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Endrin Ketone	NS	NS	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Gamma Bhc (Lindane)	0.100	1.30	0.00071 U	0.00071 U	0.0144 JK	0.00073 U
Heptachlor	0.0420	2.10	0.00071 U	0.00071 U	**0.0423 JK**	0.00073 U
Heptachlor Epoxide	NS	NS	0.00071 U	0.00071 U	0.00072 U	0.00073 U
Methoxychlor	NS	NS	0.0014 U	0.0014 U	0.0014 U	0.0015 U
P,P'-DDD	0.00330	13.0	0.00071 U	**0.0044 JK**	0.00072 U	**0.0107 J**
P,P'-DDE	0.00330	8.90	0.00071 U	**0.0075 JK**	0.0023 JKN	**0.0063 J**
P,P'-DDT	0.00330	7.90	**0.0034 JN**	**0.0522 JK**	**0.0146 JK**	**0.0644**
Toxaphene	NS	NS	0.018 U	0.018 U	0.018 U	0.018 U
trans-Chlordane	NS	NS	0.00071 U	0.0014 JK	0.00072 U	0.00099 J

Table 6c
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Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	EP-18_2_20190531	EP-X_2_20190531	FB-20180822
		Laboratory Sample ID	JC89045-3	JC89045-4	JC72361-4
		Date Sampled	5/31/2019 3:15:00 PM	5/31/2019 3:20:00 PM	8/22/2018 2:50:00 PM
		Sample Depth (Feet Below Grade)	2	2	N/A
		Dilution Factor	1	1	1
		Unit	mg/kg	mg/kg	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00074 U	0.00077 U	0.005 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00074 U	0.00077 U	0.005 U
Alpha Endosulfan	NS	NS	0.00074 U	0.00077 U	0.005 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00074 U	0.00077 U	0.005 U
Beta Endosulfan	NS	NS	0.00074 U	0.00077 U	0.005 U
Chlordane, Total	NS	NS	0.00074 U	0.00077 U	0.005 U
cis-Chlordane	0.0940	4.20	0.00074 U	0.00077 U	0.005 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00074 U	0.00077 U	0.005 U
Dieldrin	0.00500	0.200	0.00074 U	0.00077 U	0.005 U
Endosulfan Sulfate	NS	NS	0.00074 U	0.00077 U	0.005 U
Endrin	0.0140	11.0	0.00074 U	0.00077 U	0.005 U
Endrin Aldehyde	NS	NS	0.00074 U	0.00077 U	0.005 U
Endrin Ketone	NS	NS	0.00074 U	0.00077 U	0.005 U
Gamma Bhc (Lindane)	0.100	1.30	0.00074 U	0.00077 U	0.005 U
Heptachlor	0.0420	2.10	0.00074 U	0.00077 U	0.005 U
Heptachlor Epoxide	NS	NS	0.00074 U	0.00077 U	0.005 U
Methoxychlor	NS	NS	0.0015 U	0.0015 U	0.01 U
P,P'-DDD	0.00330	13.0	**0.0138 JK**	0.00077 U	0.005 U
P,P'-DDE	0.00330	8.90	**0.0065 JK**	**0.0077 JK**	0.005 U
P,P'-DDT	0.00330	7.90	**0.046 JK**	**0.0514 JK**	0.005 U
Toxaphene	NS	NS	0.019 U	0.019 U	0.13 U
trans-Chlordane	NS	NS	0.00074 U	0.00077 U	0.005 U

Table 6c
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Post-Excavation Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	FB_20181019	FB_20181204	FB_20190111
		Laboratory Sample ID	JC76263-1A	JC79057-3	JC81251-4
		Date Sampled	10/19/2018 10:20:00 AM	12/4/2018 11:40:00 AM	1/11/2019 2:30:00 PM
		Sample Depth (Feet Below Grade)	N/A	N/A	N/A
		Dilution Factor	1	1	1
		Unit	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.005 U	0.0067 U	0.005 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.005 U	0.0067 U	0.005 U
Alpha Endosulfan	NS	NS	0.005 U	0.0067 U	0.005 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.005 U	0.0067 U	0.005 U
Beta Endosulfan	NS	NS	0.005 U	0.0067 U	0.005 U
Chlordane, Total	NS	NS	0.005 U	0.0067 U	0.005 U
cis-Chlordane	0.0940	4.20	0.005 U	0.0067 U	0.005 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.005 U	0.0067 U	0.005 U
Dieldrin	0.00500	0.200	0.005 U	0.0067 U	0.005 U
Endosulfan Sulfate	NS	NS	0.005 U	0.0067 U	0.005 U
Endrin	0.0140	11.0	0.005 U	0.0067 U	0.005 U
Endrin Aldehyde	NS	NS	0.005 U	0.0067 U	0.005 U
Endrin Ketone	NS	NS	0.005 U	0.0067 U	0.005 U
Gamma Bhc (Lindane)	0.100	1.30	0.005 U	0.0067 U	0.005 U
Heptachlor	0.0420	2.10	0.005 U	0.0067 U	0.005 U
Heptachlor Epoxide	NS	NS	0.005 U	0.0067 U	0.005 U
Methoxychlor	NS	NS	0.01 U	0.013 U	0.01 U
P,P'-DDD	0.00330	13.0	0.005 U	0.0067 U	0.005 U
P,P'-DDE	0.00330	8.90	0.005 U	0.0067 U	0.005 U
P,P'-DDT	0.00330	7.90	0.005 U	0.0067 U	0.005 U
Toxaphene	NS	NS	0.13 U	0.17 U	0.13 U
trans-Chlordane	NS	NS	0.005 U	0.0067 U	0.005 U

Table 6c
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Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	FB_20190129	FB_20190531
		Laboratory Sample ID	460-174649-5	JC89045-5
		Date Sampled	1/29/2019 4:00:00 PM	5/31/2019 3:40:00 PM
		Sample Depth (Feet Below Grade)	N/A	N/A
		Dilution Factor	1	1
		Unit	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.020 UJ	0.005 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.020 UJ	0.005 U
Alpha Endosulfan	NS	NS	0.020 UJ	0.005 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.020 UJ	0.005 U
Beta Endosulfan	NS	NS	0.020 UJ	0.005 U
Chlordane, Total	NS	NS	0.50 UJ	0.005 U
cis-Chlordane	0.0940	4.20	NR	0.005 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.020 UJ	0.005 U
Dieldrin	0.00500	0.200	0.020 UJ	0.005 U
Endosulfan Sulfate	NS	NS	0.020 UJ	0.005 U
Endrin	0.0140	11.0	0.020 UJ	0.005 U
Endrin Aldehyde	NS	NS	0.020 UJ	0.005 U
Endrin Ketone	NS	NS	0.020 UJ	0.005 U
Gamma Bhc (Lindane)	0.100	1.30	0.020 UJ	0.005 U
Heptachlor	0.0420	2.10	0.020 UJ	0.005 U
Heptachlor Epoxide	NS	NS	0.020 UJ	0.005 U
Methoxychlor	NS	NS	0.020 UJ	0.01 U
P,P'-DDD	0.00330	13.0	0.020 UJ	0.005 U
P,P'-DDE	0.00330	8.90	0.020 UJ	0.005 U
P,P'-DDT	0.00330	7.90	0.020 UJ	0.005 U
Toxaphene	NS	NS	0.50 UJ	0.13 U
trans-Chlordane	NS	NS	NR	0.005 U

Table 6d
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	EP-1 (15) 20180822	EP-A2(16)20180926	EP-2 (15) 20180823	EP-3 (22) 20180823	EP-4 (15) 20180822
		Laboratory Sample ID	JC72361-1	JC74509-3	JC72361-7	JC72361-8	JC72361-2
		Date Sampled	8/22/2018 10:00:00 AM	9/26/2018 2:35:00 PM	8/23/2018 10:30:00 AM	8/23/2018 10:45:00 AM	8/22/2018 10:35:00 AM
		Sample Depth (Feet Below Grade)	15	16	15	22	15
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
PCB-1221 (Aroclor 1221)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
PCB-1232 (Aroclor 1232)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
PCB-1242 (Aroclor 1242)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
PCB-1248 (Aroclor 1248)	NS	NS	0.034 U	0.039 U	0.13 J	0.035 U	0.0637
PCB-1254 (Aroclor 1254)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
PCB-1260 (Aroclor 1260)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
PCB-1262 (Aroclor 1262)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
PCB-1268 (Aroclor 1268)	NS	NS	0.034 U	0.039 U	0.035 U	0.035 U	0.035 U
Total PCBs	0.100	1.00	0.034 U	0.039 U	**0.13 J**	0.035 U	0.0637

Table 6d
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Post-Excavation Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	EP-X (15) 20180822	EP-X(16)20180926	EP-5 (15) 20180823	EP-6 (20) 20180823	EP-7_13_20181019
		Laboratory Sample ID	JC72361-3	JC74509-4	JC72361-9	JC72361-6	JC76263-3A
		Date Sampled	8/22/2018 11:20:00 AM	9/26/2018 2:45:00 PM	8/23/2018 11:05:00 AM	8/23/2018 9:50:00 AM	10/19/2018 9:40:00 AM
		Sample Depth (Feet Below Grade)	15	16	15	20	13
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1221 (Aroclor 1221)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1232 (Aroclor 1232)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1242 (Aroclor 1242)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1248 (Aroclor 1248)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1254 (Aroclor 1254)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1260 (Aroclor 1260)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1262 (Aroclor 1262)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
PCB-1268 (Aroclor 1268)	NS	NS	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U
Total PCBs	0.100	1.00	0.038 U	0.039 U	0.037 U	0.035 U	0.037 U

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Post-Excavation Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	EP-X_13_20181019	EP-8_11_20181019	EP-9_7_20181204	EP-X_7_20181204	EP-10_5_20190129
		Laboratory Sample ID	JC76263-4A	JC76263-5A	JC79057-1	JC79057-2	460-174649-1
		Date Sampled	10/19/2018 9:50:00 AM	10/19/2018 9:20:00 AM	12/4/2018 10:10:00 AM	12/4/2018 10:30:00 AM	1/29/2019 2:30:00 PM
		Sample Depth (Feet Below Grade)	13	11	7	7	5
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.037 U	0.036 U	0.045 U	0.038 U	0.1 U
PCB-1221 (Aroclor 1221)	NS	NS	0.037 U	0.036 U	0.045 U	0.038 U	0.1 U
PCB-1232 (Aroclor 1232)	NS	NS	0.037 U	0.036 U	0.045 U	0.038 U	0.1 U
PCB-1242 (Aroclor 1242)	NS	NS	0.037 U	0.0777	0.495	0.324 J	0.1 U
PCB-1248 (Aroclor 1248)	NS	NS	0.037 U	0.036 U	0.045 U	0.038 U	0.1 U
PCB-1254 (Aroclor 1254)	NS	NS	0.037 U	0.043 J	0.162	0.148	0.1 U
PCB-1260 (Aroclor 1260)	NS	NS	0.037 U	0.036 U	0.0956 JK	0.038 U	0.1 U
PCB-1262 (Aroclor 1262)	NS	NS	0.037 U	0.036 U	0.045 U	0.038 U	0.1 U
PCB-1268 (Aroclor 1268)	NS	NS	0.037 U	0.036 U	0.045 U	0.038 U	0.1 U
Total PCBs	0.100	1.00	0.037 U	**0.1207 J**	**0.7526 JK**	**0.472 J**	0.1 U

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Post-Excavation Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	EP-11_5_20190129	EP-12_3_20190129	EP-X_3_20190129	EP-13_10_20190114	EP-14_10_20190111
		Laboratory Sample ID	460-174649-3	460-174649-4	460-174649-2	JC81251-6	JC81251-1
		Date Sampled	1/29/2019 2:00:00 PM	1/29/2019 2:40:00 PM	1/29/2019 2:50:00 PM	1/14/2019 3:00:00 PM	1/11/2019 8:40:00 AM
		Sample Depth (Feet Below Grade)	5	3	3	10	10
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.095 U	0.077 U	0.09 U	0.037 U	0.036 U
PCB-1221 (Aroclor 1221)	NS	NS	0.095 U	0.077 U	0.09 U	0.037 U	0.036 U
PCB-1232 (Aroclor 1232)	NS	NS	0.095 U	0.077 U	0.09 U	0.037 U	0.036 U
PCB-1242 (Aroclor 1242)	NS	NS	0.095 U	0.077 U	0.09 U	0.037 U	0.036 U
PCB-1248 (Aroclor 1248)	NS	NS	0.095 U	0.41	0.14 JL	0.037 U	0.036 U
PCB-1254 (Aroclor 1254)	NS	NS	0.49	0.077 U	0.09 U	0.037 U	0.157 J
PCB-1260 (Aroclor 1260)	NS	NS	0.095 U	0.077 U	0.09 U	0.037 U	0.036 U
PCB-1262 (Aroclor 1262)	NS	NS	0.095 U	0.077 U	0.09 U	0.037 U	0.036 U
PCB-1268 (Aroclor 1268)	NS	NS	0.095 U	0.077 U	0.09 U	0.037 U	0.036 U
Total PCBs	0.100	1.00	**0.49**	**0.41**	**0.14 JL**	0.037 U	**0.157 J**

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Post-Excavation Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	EP-X_10_20190111	EP-15_5_20190111	EP-16_2_20190531	EP-16_2_20190531	EP-17_2_20190531
		Laboratory Sample ID	JC81251-2	JC81251-3	JC89045-1	JC89045-1	JC89045-2
		Date Sampled	1/11/2019 8:50:00 AM	1/11/2019 9:15:00 AM	5/31/2019 2:50:00 PM	5/31/2019 2:50:00 PM	5/31/2019 2:55:00 PM
		Sample Depth (Feet Below Grade)	10	5	2	2	2
		Dilution Factor	1	1	1	5	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.035 U	0.036 U	0.036 U	NR	0.036 U
PCB-1221 (Aroclor 1221)	NS	NS	0.035 U	0.036 U	0.036 U	NR	0.036 U
PCB-1232 (Aroclor 1232)	NS	NS	0.035 U	0.036 U	0.036 U	NR	0.036 U
PCB-1242 (Aroclor 1242)	NS	NS	0.035 U	0.036 U	NR	2.89 D	0.111
PCB-1248 (Aroclor 1248)	NS	NS	0.035 U	0.036 U	0.036 U	NR	0.036 U
PCB-1254 (Aroclor 1254)	NS	NS	0.107 J	0.135 JK	0.219 J	NR	0.036 U
PCB-1260 (Aroclor 1260)	NS	NS	0.035 U	0.036 U	0.07	NR	0.036 U
PCB-1262 (Aroclor 1262)	NS	NS	0.035 U	0.036 U	0.036 U	NR	0.036 U
PCB-1268 (Aroclor 1268)	NS	NS	0.035 U	0.036 U	0.036 U	NR	0.036 U
Total PCBs	0.100	1.00	**0.107 J**	**0.135 JK**	**0.289 J**	**2.89 D**	**0.111**

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Post-Excavation Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	EP-18_2_20190531	EP-X_2_20190531	FB-20180822	FB_20181019	FB_20181204
		Laboratory Sample ID	JC89045-3	JC89045-4	JC72361-4	JC76263-1A	JC79057-3
		Date Sampled	5/31/2019 3:15:00 PM	5/31/2019 3:20:00 PM	8/22/2018 2:50:00 PM	10/19/2018 10:20:00 AM	12/4/2018 11:40:00 AM
		Sample Depth (Feet Below Grade)	2	2	N/A	N/A	N/A
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
PCB-1221 (Aroclor 1221)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
PCB-1232 (Aroclor 1232)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
PCB-1242 (Aroclor 1242)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
PCB-1248 (Aroclor 1248)	NS	NS	0.0993	0.167	0.25 U	0.25 U	0.33 U
PCB-1254 (Aroclor 1254)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
PCB-1260 (Aroclor 1260)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
PCB-1262 (Aroclor 1262)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
PCB-1268 (Aroclor 1268)	NS	NS	0.037 U	0.039 U	0.25 U	0.25 U	0.33 U
Total PCBs	0.100	1.00	0.0993	**0.167**	0.25 U	0.25 U	0.33 U

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Post-Excavation Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	FB_20190111	FB_20190129	FB_20190531
		Laboratory Sample ID	JC81251-4	460-174649-5	JC89045-5
		Date Sampled	1/11/2019 2:30:00 PM	1/29/2019 4:00:00 PM	5/31/2019 3:40:00 PM
		Sample Depth (Feet Below Grade)	N/A	N/A	N/A
		Dilution Factor	1	1	1
		Unit	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1221 (Aroclor 1221)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1232 (Aroclor 1232)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1242 (Aroclor 1242)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1248 (Aroclor 1248)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1254 (Aroclor 1254)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1260 (Aroclor 1260)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1262 (Aroclor 1262)	NS	NS	0.25 U	0.4 UJ	0.25 U
PCB-1268 (Aroclor 1268)	NS	NS	0.25 U	0.4 UJ	0.25 U
Total PCBs	0.100	1.00	0.25 U	0.4 UJ	0.25 U

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Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-1 (15) 20180822	EP-1 (15) 20180822	EP-A2(16)20180926	EP-A2(16)20180926	EP-2 (15) 20180823
		Laboratory Sample ID	JC72361-1	JC72361-1	JC74509-3	JC74509-3	JC72361-7
		Date Sampled	8/22/2018 10:00:00 AM	8/22/2018 10:00:00 AM	9/26/2018 2:35:00 PM	9/26/2018 2:35:00 PM	8/23/2018 10:30:00 AM
		Sample Depth (Feet Below Grade)	15	15	16	16	15
		Dilution Factor	1	2	1	2	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	10400 J	NA	12800	NA	12900
Antimony	NS	NS	2 UJ	NA	2.3 UJ	NA	2.2 U
Arsenic	13.0	16.0	2 U	NA	3.1	NA	2.8
Barium	350	400	68.2	NA	93.6	NA	75.9
Beryllium	7.20	72.0	NR	0.46 D	NR	0.99 D	NR
Cadmium	2.50	4.30	0.51 U	NA	0.58 U	NA	0.54 U
Calcium	NS	NS	3740 J	NA	10000 JK	NA	11600
Chromium, Hexavalent	1.00	110	0.43 U	NA	**1.8 J**	NA	0.62
Chromium, Total	NS	NS	25.5	NA	27.6 J	NA	26.3
Cobalt	NS	NS	NR	10 U	11.2	NA	NR
Copper	50.0	270	20.2	NA	NR	34.1 D	NR
Cyanide	27.0	27.0	0.16 U	NA	0.21 U	NA	0.18 U
Iron	NS	NS	16800	NA	NR	34300 JD	NR
Lead	63.0	400	11.4	NA	NR	**184 JKD**	NR
Magnesium	NS	NS	6540 J	NA	7390 JK	NA	11800
Manganese	1600	2000	333 J	NA	NR	575 D	NR
Mercury	0.180	0.810	0.033 U	NA	NR	**1 JLD**	**0.27**
Nickel	30.0	310	19	NA	27.3	NA	22
Potassium	NS	NS	3420	NA	2770	NA	2600
Selenium	3.90	180	2 U	NA	NR	4.6 U	NR
Silver	2.00	180	NR	1 U	NR	1.2 U	NR
Sodium	NS	NS	1000 U	NA	1200 U	NA	1100 U
Thallium	NS	NS	NR	2 U	NR	2.3 U	NR
Vanadium	NS	NS	31.3	NA	43.2 J	NA	33.6
Zinc	109	10000	52.4	NA	**138 J**	NA	**238**

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Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-2 (15) 20180823	EP-3 (22) 20180823	EP-3 (22) 20180823	EP-4 (15) 20180822	EP-X (15) 20180822
		Laboratory Sample ID	JC72361-7	JC72361-8	JC72361-8	JC72361-2	JC72361-3
		Date Sampled	8/23/2018 10:30:00 AM	8/23/2018 10:45:00 AM	8/23/2018 10:45:00 AM	8/22/2018 10:35:00 AM	8/22/2018 11:20:00 AM
		Sample Depth (Feet Below Grade)	15	22	22	15	15
		Dilution Factor	2	1	5	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	NA	11800	NA	12500	11500
Antimony	NS	NS	NA	2.3 U	NA	2.4 U	2.3 U
Arsenic	13.0	16.0	NA	2.3 U	NA	3	2.6
Barium	350	400	NA	49.4	NA	67.1	56.4
Beryllium	7.20	72.0	0.76 D	1.3	NA	0.66	NR
Cadmium	2.50	4.30	NA	0.57 U	NA	0.59 U	0.58 U
Calcium	NS	NS	NA	NR	64700 D	5910 J	3420 J
Chromium, Hexavalent	1.00	110	NA	**1.3**	NA	0.57	0.52
Chromium, Total	NS	NS	NA	18.7	NA	28.6	26.8
Cobalt	NS	NS	11 U	9.4	NA	8.7	NR
Copper	50.0	270	28.3 D	17.6	NA	26.7	20.2
Cyanide	27.0	27.0	NA	0.23 U	NA	0.15 U	0.23 U
Iron	NS	NS	22900 D	21800	NA	19300	19400
Lead	63.0	400	49.1 D	7.4	NA	45.2	46.8
Magnesium	NS	NS	NA	NR	44600 D	7220	5780
Manganese	1600	2000	491 D	761	NA	400	316
Mercury	0.180	0.810	NA	0.035 U	NA	**0.35**	**0.34**
Nickel	30.0	310	NA	15.8	NA	20.7	19.2
Potassium	NS	NS	NA	2000	NA	2570 J	4440 J
Selenium	3.90	180	4.3 U	2.3 U	NA	2.4 U	2.3 U
Silver	2.00	180	1.1 U	0.57 U	NA	0.59 U	NR
Sodium	NS	NS	NA	1100 U	NA	1200 U	1200 U
Thallium	NS	NS	2.2 U	1.1 U	NA	1.2 U	NR
Vanadium	NS	NS	NA	25.2	NA	33.2	31.9
Zinc	109	10000	NA	80.9	NA	88.3	63.7

Table 6e
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Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-X (15) 20180822	EP-X(16)20180926	EP-X(16)20180926	EP-5 (15) 20180823	EP-6 (20) 20180823
		Laboratory Sample ID	JC72361-3	JC74509-4	JC74509-4	JC72361-9	JC72361-6
		Date Sampled	8/22/2018 11:20:00 AM	9/26/2018 2:45:00 PM	9/26/2018 2:45:00 PM	8/23/2018 11:05:00 AM	8/23/2018 9:50:00 AM
		Sample Depth (Feet Below Grade)	15	16	16	15	20
		Dilution Factor	2	1	2	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	NA	11700	NA	9610	10700
Antimony	NS	NS	NA	2.2 UJ	NA	2.2 U	2.2 U
Arsenic	13.0	16.0	NA	3.1	NA	2.2 U	2.2 U
Barium	350	400	NA	91.3	NA	45.8	58.6
Beryllium	7.20	72.0	0.87 D	NR	0.76 D	0.68	1.1
Cadmium	2.50	4.30	NA	0.56 U	NA	0.55 U	0.55 U
Calcium	NS	NS	NA	10400 JK	NA	1680	19900
Chromium, Hexavalent	1.00	110	NA	0.57 JL	NA	0.58	0.89
Chromium, Total	NS	NS	NA	23.4 J	NA	24.2	20.1
Cobalt	NS	NS	12 U	9.6	NA	9.9	11.1
Copper	50.0	270	NA	32.1	NA	21.7	18.2
Cyanide	27.0	27.0	NA	0.15	NA	0.14 U	0.16 U
Iron	NS	NS	NA	19500 JL	NA	19000	19700
Lead	63.0	400	NA	**85.9 JL**	NA	6.2	11.5
Magnesium	NS	NS	NA	7080 JK	NA	4870	17500
Manganese	1600	2000	NA	462	NA	379	690
Mercury	0.180	0.810	NA	**0.79 JL**	NA	0.036	0.035 U
Nickel	30.0	310	NA	23.8	NA	17.5	19.4
Potassium	NS	NS	NA	2600	NA	2940	1680
Selenium	3.90	180	NA	2.2 U	NA	2.2 U	2.2 U
Silver	2.00	180	1.2 U	NR	1.1 U	0.55 U	0.55 U
Sodium	NS	NS	NA	1100 U	NA	1100 U	1100 U
Thallium	NS	NS	2.3 U	NR	2.2 U	1.1 U	1.1 U
Vanadium	NS	NS	NA	39.6 J	NA	30.6	27.5
Zinc	109	10000	NA	**138 J**	NA	55.6	**123**

Table 6e
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Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-7_13_20181019	EP-7_13_20181019	EP-X_13_20181019	EP-8_11_20181019	EP-8_11_20181019
		Laboratory Sample ID	JC76263-3	JC76263-3	JC76263-4	JC76263-5	JC76263-5
		Date Sampled	10/19/2018 9:40:00 AM	10/19/2018 9:40:00 AM	10/19/2018 9:50:00 AM	10/19/2018 9:20:00 AM	10/19/2018 9:20:00 AM
		Sample Depth (Feet Below Grade)	13	13	13	11	11
		Dilution Factor	1	2	1	1	2
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	11800	NA	12000	13600	NA
Antimony	NS	NS	2.5 U	NA	2.2 U	2.2 UJ	NA
Arsenic	13.0	16.0	NR	4.9 U	2.7	NR	4.4 U
Barium	350	400	62.5	NA	64	93.1	NA
Beryllium	7.20	72.0	0.98	NA	0.72	0.65	NA
Cadmium	2.50	4.30	NR	1.2 U	0.56 U	NR	1.1 U
Calcium	NS	NS	13100	NA	11100	12900	NA
Chromium, Hexavalent	1.00	110	1	NA	0.97	**1.1**	NA
Chromium, Total	NS	NS	30.6	NA	27.2	29.6	NA
Cobalt	NS	NS	18.1	NA	11	11.8	NA
Copper	50.0	270	NR	30.6 D	27.4	NR	35.4 D
Cyanide	27.0	27.0	0.24 U	NA	0.27 U	0.24 U	NA
Iron	NS	NS	NR	31700 D	21900	NR	23700 D
Lead	63.0	400	NR	33.7 D	37.4	NR	**92 D**
Magnesium	NS	NS	9560	NA	8440	9930 JL	NA
Manganese	1600	2000	NR	794 D	422	NR	574 JDL
Mercury	0.180	0.810	**0.2**	NA	**0.33**	**0.38**	NA
Nickel	30.0	310	19.4	NA	19.4	21	NA
Potassium	NS	NS	1650	NA	1890	2730	NA
Selenium	3.90	180	NR	4.9 U	2.2 U	NR	4.4 U
Silver	2.00	180	NR	**6.5 D**	0.56 U	NR	1.1 U
Sodium	NS	NS	1200 U	NA	1100 U	1100 U	NA
Thallium	NS	NS	NR	2.5 U	1.1 U	NR	2.2 U
Vanadium	NS	NS	39.4	NA	34.4	37.6	NA
Zinc	109	10000	81.8	NA	78	**135 JDL**	NA

Table 6e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-9_7_20181204	EP-9_7_20181204	EP-X_7_20181204	EP-X_7_20181204	EP-10_5_20190129
		Laboratory Sample ID	JC79057-1	JC79057-1	JC79057-2	JC79057-2	JC82084-1
		Date Sampled	12/4/2018 10:10:00 AM	12/4/2018 10:10:00 AM	12/4/2018 10:30:00 AM	12/4/2018 10:30:00 AM	1/29/2019 2:30:00 PM
		Sample Depth (Feet Below Grade)	7	7	7	7	5
		Dilution Factor	1	3	1	2	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	14900	NA	13900	NA	NR
Antimony	NS	NS	2.7 UJ	NA	2.5 UJ	NA	NR
Arsenic	13.0	16.0	5.5	NA	4.4	NA	NR
Barium	350	400	168	NA	153	NA	NR
Beryllium	7.20	72.0	1.9 J	NA	1.9 J	NA	NR
Cadmium	2.50	4.30	0.73	NA	0.71	NA	NR
Calcium	NS	NS	NR	51500 D	NR	32300 D	NR
Chromium, Hexavalent	1.00	110	1 JL	NA	0.98 JL	NA	0.99
Chromium, Total	NS	NS	30.2 J	NA	25.4 J	NA	NR
Cobalt	NS	NS	25.2	NA	19.9	NA	58.9
Copper	50.0	270	NR	49 D	NR	43.9 D	NR
Cyanide	27.0	27.0	0.18 UJ	NA	0.18 U	NA	0.26 U
Iron	NS	NS	NR	33200 D	NR	28000 D	NR
Lead	63.0	400	**491 JL**	NA	**165 JL**	NA	NR
Magnesium	NS	NS	14800 J	NA	12200 J	NA	NR
Manganese	1600	2000	NR	1360 D	NR	1010 D	NR
Mercury	0.180	0.810	**0.84 JL**	NA	**0.64 JL**	NA	0.11
Nickel	30.0	310	29.7	NA	26.6	NA	27.6
Potassium	NS	NS	1740	NA	1800	NA	NR
Selenium	3.90	180	NR	8 U	NR	5 U	NR
Silver	2.00	180	NR	2 U	NR	1.3 U	NR
Sodium	NS	NS	1300 UJ	NA	1300 U	NA	NR
Thallium	NS	NS	NR	4 U	NR	2.5 U	NR
Vanadium	NS	NS	38.4 J	NA	35 J	NA	NR
Zinc	109	10000	**286 JL**	NA	**225 JL**	NA	NR

Table 6e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-10_5_20190129	EP-10_5_20190129	EP-11_5_20190129	EP-11_5_20190129	EP-12_3_20190129
		Laboratory Sample ID	JC82084-1	JC82084-1	JC82084-3	JC82084-3	JC82084-4
		Date Sampled	1/29/2019 2:30:00 PM	1/29/2019 2:30:00 PM	1/29/2019 2:00:00 PM	1/29/2019 2:00:00 PM	1/29/2019 2:40:00 PM
		Sample Depth (Feet Below Grade)	5	5	5	5	3
		Dilution Factor	3	5	1	2	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	11600 D	NA	14800	NA	12100
Antimony	NS	NS	7.1 U	NA	2.7 UJ	NA	2.3 U
Arsenic	13.0	16.0	7.1 U	NA	5.9	NA	6.8
Barium	350	400	113 D	NA	136	NA	164
Beryllium	7.20	72.0	2.8 D	NA	1.8	NA	1.2
Cadmium	2.50	4.30	1.8 U	NA	0.69 U	NA	0.6
Calcium	NS	NS	3520 D	NA	NR	29700 D	NR
Chromium, Hexavalent	1.00	110	NA	NA	**5.8 JL**	NA	0.97
Chromium, Total	NS	NS	NA	31.6 D	32.1 J	NA	22
Cobalt	NS	NS	NA	NA	22.4	NA	18.9
Copper	50.0	270	29.6 D	NA	47.5 J	NA	38.9
Cyanide	27.0	27.0	NA	NA	0.45 JK	NA	0.29 U
Iron	NS	NS	56200 D	NA	NR	33200 D	NR
Lead	63.0	400	38.3 D	NA	NR	**180 D**	**124**
Magnesium	NS	NS	3920 D	NA	13500 J	NA	15200
Manganese	1600	2000	NA	**3820 D**	NR	808 JDK	NR
Mercury	0.180	0.810	NA	NA	**0.37**	NA	**0.35**
Nickel	30.0	310	NA	NA	**33.4**	NA	24.4
Potassium	NS	NS	3600 U	NA	1560 J	NA	1540
Selenium	3.90	180	7.1 U	NA	NR	5.5 U	NR
Silver	2.00	180	NA	3 U	NR	1.4 U	NR
Sodium	NS	NS	3600 U	NA	1400 UJ	NA	1100 U
Thallium	NS	NS	NA	5.9 U	NR	2.7 U	NR
Vanadium	NS	NS	46.9 D	NA	38.5 J	NA	31.1
Zinc	109	10000	**247 D**	NA	**212 J**	NA	**214**

Table 6e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-12_3_20190129	EP-X_3_20190129	EP-X_3_20190129	EP-13_10_20190114	EP-13_10_20190114
		Laboratory Sample ID	JC82084-4	JC82084-2	JC82084-2	JC81251-6	JC81251-6
		Date Sampled	1/29/2019 2:40:00 PM	1/29/2019 2:50:00 PM	1/29/2019 2:50:00 PM	1/14/2019 3:00:00 PM	1/14/2019 3:00:00 PM
		Sample Depth (Feet Below Grade)	3	3	3	10	10
		Dilution Factor	2	1	2	1	2
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	NA	12700	NA	13600	NA
Antimony	NS	NS	NA	2.4 U	NA	2.3 U	NA
Arsenic	13.0	16.0	NA	5.2	NA	NR	5.3 D
Barium	350	400	NA	136	NA	134	NA
Beryllium	7.20	72.0	NA	1.6	NA	1.2	NA
Cadmium	2.50	4.30	NA	0.61 U	NA	0.89	NA
Calcium	NS	NS	35900 D	NR	30100 D	23000	NA
Chromium, Hexavalent	1.00	110	NA	0.49 U	NA	**1.4**	NA
Chromium, Total	NS	NS	NA	23.5	NA	28.5	NA
Cobalt	NS	NS	NA	26.9	NA	18.5	NA
Copper	50.0	270	NA	46.6	NA	NR	37.9 D
Cyanide	27.0	27.0	NA	0.28 UJ	NA	0.21	NA
Iron	NS	NS	27200 D	NR	29700 D	NR	27800 D
Lead	63.0	400	NA	**147**	NA	**133**	NA
Magnesium	NS	NS	NA	13500	NA	11600	NA
Manganese	1600	2000	1030 D	NR	1290 D	NR	836 D
Mercury	0.180	0.810	NA	**0.35**	NA	**0.23**	NA
Nickel	30.0	310	NA	28.5	NA	28.4	NA
Potassium	NS	NS	NA	1630	NA	1700	NA
Selenium	3.90	180	4.6 U	NR	4.9 U	NR	4.7 U
Silver	2.00	180	1.1 U	NR	1.2 U	NR	1.2 U
Sodium	NS	NS	NA	1200 U	NA	1200 U	NA
Thallium	NS	NS	2.3 U	NR	2.4 U	NR	2.3 U
Vanadium	NS	NS	NA	30.4	NA	43.4	NA
Zinc	109	10000	NA	**228**	NA	**240**	NA

Table 6e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-14_10_20190111	EP-X_10_20190111	EP-15_5_20190111	EP-15_5_20190111	EP-16_2_20190531
		Laboratory Sample ID	JC81251-1	JC81251-2	JC81251-3	JC81251-3	JC89045-1
		Date Sampled	1/11/2019 8:40:00 AM	1/11/2019 8:50:00 AM	1/11/2019 9:15:00 AM	1/11/2019 9:15:00 AM	5/31/2019 2:50:00 PM
		Sample Depth (Feet Below Grade)	10	10	5	5	2
		Dilution Factor	1	1	1	2	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	13600	12600	12800	NA	12300
Antimony	NS	NS	2.3 U	2.1 U	2.3 UJ	NA	2.3 U
Arsenic	13.0	16.0	3.2	2.6	NR	4.6 U	3.6
Barium	350	400	74.6	69.7	125	NA	86.3
Beryllium	7.20	72.0	0.73	0.66	0.92	NA	0.78
Cadmium	2.50	4.30	0.58 U	0.53 U	0.57 U	NA	0.57 U
Calcium	NS	NS	6720	7570	NR	30000 D	20800
Chromium, Hexavalent	1.00	110	1 JL	**1.3 JL**	**1.3**	NA	**1.4**
Chromium, Total	NS	NS	27.8	26.1	28.8 J	NA	25.5
Cobalt	NS	NS	12	10.1	14.9	NA	11.5
Copper	50.0	270	30.5	27.1	NR	34.4 D	28.8
Cyanide	27.0	27.0	0.2 U	0.22	0.25	NA	0.24 U
Iron	NS	NS	22200	19800	NR	23600 D	20200
Lead	63.0	400	46.4	39.7	**122**	NA	**69.7**
Magnesium	NS	NS	6790	6420	9140 JK	NA	10000
Manganese	1600	2000	781	645	749 JL	NA	511
Mercury	0.180	0.810	0.14	**0.19**	**0.24**	NA	**0.19**
Nickel	30.0	310	24.3	23.6	24.6	NA	23.6
Potassium	NS	NS	1970	1830	1890	NA	1930
Selenium	3.90	180	2.3 U	2.1 U	NR	4.6 U	2.3 U
Silver	2.00	180	0.58 U	0.53 U	NR	1.1 U	0.57 U
Sodium	NS	NS	1200 U	1100 U	1100 U	NA	1100 U
Thallium	NS	NS	1.2 U	1.1 U	NR	2.3 U	1.1 U
Vanadium	NS	NS	36.7	32.5	39.4 J	NA	34.9
Zinc	109	10000	84.7	76.6	**176 J**	NA	**126**

Table 6e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-17_2_20190531	EP-17_2_20190531	EP-18_2_20190531	EP-18_2_20190531	EP-X_2_20190531
		Laboratory Sample ID	JC89045-2	JC89045-2	JC89045-3	JC89045-3	JC89045-4
		Date Sampled	5/31/2019 2:55:00 PM	5/31/2019 2:55:00 PM	5/31/2019 3:15:00 PM	5/31/2019 3:15:00 PM	5/31/2019 3:20:00 PM
		Sample Depth (Feet Below Grade)	2	2	2	2	2
		Dilution Factor	1	2	1	3	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	12200	NA	11300	NA	11300
Antimony	NS	NS	2.3 UJ	NA	2.3 U	NA	2.4 U
Arsenic	13.0	16.0	NR	4.8 D	6.2	NA	7.3
Barium	350	400	133	NA	153	NA	139
Beryllium	7.20	72.0	0.94	NA	0.83	NA	0.79
Cadmium	2.50	4.30	NR	1.2 U	0.69	NA	0.73
Calcium	NS	NS	NR	25800 D	NR	34000 D	NR
Chromium, Hexavalent	1.00	110	**1.2 JL**	NA	0.7	NA	0.72
Chromium, Total	NS	NS	26.2 J	NA	24	NA	25.4
Cobalt	NS	NS	14.4	NA	17.5	NA	13.3
Copper	50.0	270	NR	38.2 D	40.8	NA	NR
Cyanide	27.0	27.0	0.27 U	NA	0.28 U	NA	0.28 U
Iron	NS	NS	NR	22300 D	21900	NA	NR
Lead	63.0	400	NR	**130 D**	**105**	NA	**121**
Magnesium	NS	NS	13200	NA	12600	NA	13000
Manganese	1600	2000	NR	605 D	759	NA	NR
Mercury	0.180	0.810	**0.37 JL**	NA	**0.21**	NA	**0.26**
Nickel	30.0	310	23.5	NA	25	NA	23.6
Potassium	NS	NS	1580	NA	1730	NA	1650
Selenium	3.90	180	NR	4.7 U	2.3 U	NA	NR
Silver	2.00	180	NR	1.2 U	0.57 U	NA	NR
Sodium	NS	NS	1200 U	NA	1100 U	NA	1200 U
Thallium	NS	NS	NR	2.3 U	1.1 U	NA	NR
Vanadium	NS	NS	38	NA	36.7	NA	36.7
Zinc	109	10000	**248 JL**	NA	**226**	NA	**330**

Table 6e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	EP-X_2_20190531	FB-20180822	FB_20181019	FB_20181204	FB_20190111
		Laboratory Sample ID	JC89045-4	JC72361-4	JC76263-1	JC79057-3	JC81251-4
		Date Sampled	5/31/2019 3:20:00 PM	8/22/2018 2:50:00 PM	10/19/2018 10:20:00 AM	12/4/2018 11:40:00 AM	1/11/2019 2:30:00 PM
		Sample Depth (Feet Below Grade)	2	N/A	N/A	N/A	N/A
		Dilution Factor	2	1	1	1	1
		Unit	mg/kg	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	NA	200 U	200 U	200 U	200 U
Antimony	NS	NS	NA	6 U	6 U	6 U	6 U
Arsenic	13.0	16.0	NA	3 U	3 U	3 U	3 U
Barium	350	400	NA	200 U	200 U	200 U	200 U
Beryllium	7.20	72.0	NA	1 U	1 U	1 U	1 U
Cadmium	2.50	4.30	NA	3 U	3 U	3 U	3 U
Calcium	NS	NS	36000 D	5000 U	5000 U	5000 U	5000 U
Chromium, Hexavalent	1.00	110	NA	10 U	10 U	10 U	10 U
Chromium, Total	NS	NS	NA	10 U	10 U	10 U	10 U
Cobalt	NS	NS	NA	50 U	50 U	50 U	50 U
Copper	50.0	270	41.3 D	10 U	10 U	10 U	10 U
Cyanide	27.0	27.0	NA	10 U	10 U	10 U	10 U
Iron	NS	NS	26400 D	100 U	100 U	100 U	100 U
Lead	63.0	400	NA	3 U	3 U	3 U	3 U
Magnesium	NS	NS	NA	5000 U	5000 U	5000 U	5000 U
Manganese	1600	2000	536 D	15 U	15 U	15 U	15 U
Mercury	0.180	0.810	NA	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	30.0	310	NA	10 U	10 U	10 U	10 U
Potassium	NS	NS	NA	10000 U	10000 U	10000 U	10000 U
Selenium	3.90	180	4.8 U	10 U	10 U	10 U	10 U
Silver	2.00	180	1.2 U	10 U	10 U	10 U	10 U
Sodium	NS	NS	NA	10000 U	10000 U	10000 U	10000 U
Thallium	NS	NS	2.4 U	10 U	10 U	10 U	10 U
Vanadium	NS	NS	NA	50 U	50 U	50 U	50 U
Zinc	109	10000	NA	20 U	20 U	20 U	20 U

Table 6e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Post-Excavation Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	FB_20190129	FB_20190531
		Laboratory Sample ID	JC82084-5	JC89045-5
		Date Sampled	1/29/2019 4:00:00 PM	5/31/2019 3:40:00 PM
		Sample Depth (Feet Below Grade)	N/A	N/A
		Dilution Factor	1	1
		Unit	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q
Aluminum	NS	NS	200 U	200 U
Antimony	NS	NS	6 U	6 U
Arsenic	13.0	16.0	3 U	3 U
Barium	350	400	200 U	200 U
Beryllium	7.20	72.0	1 U	1 U
Cadmium	2.50	4.30	3 U	3 U
Calcium	NS	NS	5000 U	5000 U
Chromium, Hexavalent	1.00	110	10 UJ	10 U
Chromium, Total	NS	NS	10 U	10 U
Cobalt	NS	NS	50 U	50 U
Copper	50.0	270	10 U	10 U
Cyanide	27.0	27.0	10 U	10 U
Iron	NS	NS	100 U	100 U
Lead	63.0	400	3 U	3 U
Magnesium	NS	NS	5000 U	5000 U
Manganese	1600	2000	15 U	15 U
Mercury	0.180	0.810	0.2 U	0.2 U
Nickel	30.0	310	10 U	10 U
Potassium	NS	NS	10000 U	10000 U
Selenium	3.90	180	10 U	10 U
Silver	2.00	180	10 U	10 U
Sodium	NS	NS	10000 U	10000 U
Thallium	NS	NS	10 U	10 U
Vanadium	NS	NS	50 U	50 U
Zinc	109	10000	20 U	20 U

Table 7a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	UST-1B (8) 20180628	UST-1E (6) 20180628	UST-1N (6) 20180628	UST-1P(8) 20180629	UST-1X(8) 20180629
		Laboratory Sample ID	JC68955-5	JC68955-3	JC68955-1	JC68955-6	JC68955-7
		Date Sampled	6/28/2018 10:35:00 AM	6/28/2018 11:20:00 AM	6/28/2018 10:55:00 AM	6/29/2018 10:55:00 AM	6/29/2018 11:00:00 AM
		Sample Depth (Feet Below Grade)	8	6	6	8	8
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
1,1,2-Trichloroethane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
1,1-Dichloroethane	0.270	26.0	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
1,1-Dichloroethene	0.330	100	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
1,2,3-Trichlorobenzene	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
1,2,4-Trichlorobenzene	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
1,2-Dichlorobenzene	1.10	100	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
1,2-Dichloroethane	0.0200	3.10	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
1,2-Dichloropropane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
1,3-Dichlorobenzene	2.40	49.0	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
1,4-Dichlorobenzene	1.80	13.0	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
2-Hexanone	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Acetone	0.0500	100	0.013 U	0.0096 U	0.0093 U	0.0222	0.0044 JL
Benzene	0.0600	4.80	0.00063 U	0.00048 U	0.00047 U	0.00047 U	0.00048 U
Bromochloromethane	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Bromodichloromethane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Bromoform	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Bromomethane	NS	NS	0.0063 U	0.0048 UJ	0.0047 UJ	0.0047 UJ	0.0048 UJ
Carbon Disulfide	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Carbon Tetrachloride	0.760	2.40	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Chlorobenzene	1.10	100	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Chloroethane	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Chloroform	0.370	49.0	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Chloromethane	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Cis-1,2-Dichloroethylene	0.250	100	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Cis-1,3-Dichloropropene	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Cyclohexane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Dibromochloromethane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Dichlorodifluoromethane	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Ethylbenzene	1.00	41.0	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Isopropylbenzene (Cumene)	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
M,P-Xylene	NS	NS	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Methyl Acetate	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.013 U	0.0096 U	0.0093 U	0.0094 U	0.0096 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Methylcyclohexane	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Methylene Chloride	0.0500	100	0.0063 U	0.0048 U	0.0022 J	0.00098 J	0.0048 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Styrene	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Tert-Butyl Methyl Ether	0.930	100	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Tetrachloroethylene (PCE)	1.30	19.0	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Toluene	0.700	100	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Trans-1,2-Dichloroethene	0.190	100	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Trans-1,3-Dichloropropene	NS	NS	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Trichloroethylene (TCE)	0.470	21.0	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U
Trichlorofluoromethane	NS	NS	0.0063 U	0.0048 U	0.0047 U	0.0047 U	0.0048 U
Vinyl Chloride	0.0200	0.900	0.0025 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Xylenes, Total	0.260	100	0.0013 U	0.00096 U	0.00093 U	0.00094 U	0.00096 U

Table 7a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	UST-1S (6) 20180628	UST-1W (6) 20180628	UST-2_3B(10)20180821	UST-2_3E(8)20180817	UST-2_3X(8)20180817
		Laboratory Sample ID	JC68955-2	JC68955-4	JC72121-8	JC72121-3	JC72121-4
		Date Sampled	6/28/2018 11:10:00 AM	6/28/2018 11:25:00 AM	8/21/2018 11:27:00 AM	8/17/2018 12:00:00 PM	8/17/2018 12:05:00 PM
		Sample Depth (Feet Below Grade)	6	6	10	8	8
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
1,1,2-Trichloroethane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
1,1-Dichloroethane	0.270	26.0	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
1,1-Dichloroethene	0.330	100	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
1,2,3-Trichlorobenzene	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
1,2,4-Trichlorobenzene	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
1,2-Dichlorobenzene	1.10	100	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
1,2-Dichloroethane	0.0200	3.10	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
1,2-Dichloropropane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
1,3-Dichlorobenzene	2.40	49.0	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
1,4-Dichlorobenzene	1.80	13.0	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
2-Hexanone	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Acetone	0.0500	100	0.01 U	0.011 U	0.011 U	0.013 U	0.0065 J
Benzene	0.0600	4.80	0.00052 U	0.00054 U	0.00054 U	0.00064 U	0.00063 U
Bromochloromethane	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Bromodichloromethane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Bromoform	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Bromomethane	NS	NS	0.0052 UJ	0.0054 UJ	0.0054 U	0.0064 U	0.0063 U
Carbon Disulfide	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Carbon Tetrachloride	0.760	2.40	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Chlorobenzene	1.10	100	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Chloroethane	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Chloroform	0.370	49.0	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Chloromethane	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Cis-1,2-Dichloroethylene	0.250	100	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Cis-1,3-Dichloropropene	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Cyclohexane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Dibromochloromethane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Dichlorodifluoromethane	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Ethylbenzene	1.00	41.0	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Isopropylbenzene (Cumene)	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
M,P-Xylene	NS	NS	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Methyl Acetate	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.01 U	0.011 U	0.011 U	0.013 U	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Methylcyclohexane	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Methylene Chloride	0.0500	100	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Styrene	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Tert-Butyl Methyl Ether	0.930	100	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Tetrachloroethylene (PCE)	1.30	19.0	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Toluene	0.700	100	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Trans-1,2-Dichloroethene	0.190	100	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Trans-1,3-Dichloropropene	NS	NS	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Trichloroethylene (TCE)	0.470	21.0	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U
Trichlorofluoromethane	NS	NS	0.0052 U	0.0054 U	0.0054 U	0.0064 U	0.0063 U
Vinyl Chloride	0.0200	0.900	0.0021 U	0.0022 U	0.0021 U	0.0026 U	0.0025 U
Xylenes, Total	0.260	100	0.001 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U

Table 7a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	UST-2_3N(8)20180817	UST-2_3S(8)20180817	UST-2_3W(8)20180817	TB 20180629	FB 20180629
		Laboratory Sample ID	JC72121-1	JC72121-2	JC72121-5	JC68955-9	JC68955-8
		Date Sampled	8/17/2018 11:40:00 AM	8/17/2018 11:50:00 AM	8/17/2018 1:00:00 PM	6/29/2018 2:45:00 PM	6/29/2018 2:45:00 PM
		Sample Depth (Feet Below Grade)	8	8	8	N/A	N/A
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0048 U	0.0052 U	0.006 U	5 U	5 U
1,1,2-Trichloroethane	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
1,1-Dichloroethane	0.270	26.0	0.00096 U	0.001 U	0.0012 U	1 U	1 U
1,1-Dichloroethene	0.330	100	0.00096 U	0.001 U	0.0012 U	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	0.0048 U	0.0052 U	0.006 U	1 U	1 U
1,2,4-Trichlorobenzene	NS	NS	0.0048 U	0.0052 U	0.006 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0019 U	0.0021 U	0.0024 U	2 U	2 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.00096 U	0.001 U	0.0012 U	1 U	1 U
1,2-Dichlorobenzene	1.10	100	0.00096 U	0.001 U	0.0012 U	1 U	1 U
1,2-Dichloroethane	0.0200	3.10	0.00096 U	0.001 U	0.0012 U	1 U	1 U
1,2-Dichloropropane	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
1,3-Dichlorobenzene	2.40	49.0	0.00096 U	0.001 U	0.0012 U	1 U	1 U
1,4-Dichlorobenzene	1.80	13.0	0.00096 U	0.001 U	0.0012 U	1 U	1 U
2-Hexanone	NS	NS	0.0048 U	0.0052 U	0.006 U	5 U	5 U
Acetone	0.0500	100	0.0096 U	0.01 U	0.012 U	10 U	10 U
Benzene	0.0600	4.80	0.00048 U	0.00052 U	0.0006 U	0.5 U	0.5 U
Bromochloromethane	NS	NS	0.0048 U	0.0052 U	0.006 U	1 U	1 U
Bromodichloromethane	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Bromoform	NS	NS	0.0048 U	0.0052 U	0.006 U	1 U	1 U
Bromomethane	NS	NS	0.0048 U	0.0052 U	0.006 U	2 UJ	2 UJ
Carbon Disulfide	NS	NS	0.0019 U	0.0021 U	0.0024 U	2 U	2 U
Carbon Tetrachloride	0.760	2.40	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Chlorobenzene	1.10	100	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Chloroethane	NS	NS	0.0048 U	0.0052 U	0.006 U	1 U	1 U
Chloroform	0.370	49.0	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Chloromethane	NS	NS	0.0048 U	0.0052 U	0.006 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.250	100	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Cyclohexane	NS	NS	0.0129	0.0021 U	0.0024 U	5 U	5 U
Dibromochloromethane	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Dichlorodifluoromethane	NS	NS	0.0048 U	0.0052 U	0.006 U	2 U	2 U
Ethylbenzene	1.00	41.0	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
M,P-Xylene	NS	NS	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Methyl Acetate	NS	NS	0.0048 U	0.0052 U	0.006 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.0096 U	0.01 U	0.012 U	10 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0048 U	0.0052 U	0.006 U	5 U	5 U
Methylcyclohexane	NS	NS	0.029	0.0021 U	0.0024 U	5 U	5 U
Methylene Chloride	0.0500	100	0.0048 U	0.0052 U	0.006 U	2 U	2 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Styrene	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Tert-Butyl Methyl Ether	0.930	100	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Tetrachloroethylene (PCE)	1.30	19.0	0.00069 J	0.0021 U	0.0024 U	1 U	1 U
Toluene	0.700	100	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Trans-1,2-Dichloroethene	0.190	100	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Trans-1,3-Dichloropropene	NS	NS	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Trichloroethylene (TCE)	0.470	21.0	0.00096 U	0.001 U	0.0012 U	1 U	1 U
Trichlorofluoromethane	NS	NS	0.0048 U	0.0052 U	0.006 U	2 U	2 U
Vinyl Chloride	0.0200	0.900	0.0019 U	0.0021 U	0.0024 U	1 U	1 U
Xylenes, Total	0.260	100	0.00096 U	0.001 U	0.0012 U	1 U	1 U

Table 7a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Volatile Organic Compounds (VOCs)

		AKRF Sample ID	UST-2_3TB 20180817	UST-2_3FB 20180817
		Laboratory Sample ID	JC72121-7	JC72121-6
		Date Sampled	8/17/2018	8/17/2018 2:25:00 PM
		Sample Depth (Feet Below Grade)	N/A	N/A
		Dilution Factor	1	1
		Unit	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	5 U	5 U
1,1,2-Trichloroethane	NS	NS	1 U	1 U
1,1-Dichloroethane	0.270	26.0	1 U	1 U
1,1-Dichloroethene	0.330	100	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	1 U	1 U
1,2,4-Trichlorobenzene	NS	NS	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	2 U	2 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1 U	1 U
1,2-Dichlorobenzene	1.10	100	1 U	1 U
1,2-Dichloroethane	0.0200	3.10	1 U	1 U
1,2-Dichloropropane	NS	NS	1 U	1 U
1,3-Dichlorobenzene	2.40	49.0	1 U	1 U
1,4-Dichlorobenzene	1.80	13.0	1 U	1 U
2-Hexanone	NS	NS	5 U	5 U
Acetone	0.0500	100	10 U	10 U
Benzene	0.0600	4.80	0.5 U	0.5 U
Bromochloromethane	NS	NS	1 U	1 U
Bromodichloromethane	NS	NS	1 U	1 U
Bromoform	NS	NS	1 U	1 U
Bromomethane	NS	NS	2 U	2 U
Carbon Disulfide	NS	NS	2 U	2 U
Carbon Tetrachloride	0.760	2.40	1 U	1 U
Chlorobenzene	1.10	100	1 U	1 U
Chloroethane	NS	NS	1 U	1 U
Chloroform	0.370	49.0	1 U	1 U
Chloromethane	NS	NS	1 U	1 U
Cis-1,2-Dichloroethylene	0.250	100	1 U	1 U
Cis-1,3-Dichloropropene	NS	NS	1 U	1 U
Cyclohexane	NS	NS	5 U	5 U
Dibromochloromethane	NS	NS	1 U	1 U
Dichlorodifluoromethane	NS	NS	2 U	2 U
Ethylbenzene	1.00	41.0	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	1 U	1 U
M,P-Xylene	NS	NS	1 U	1 U
Methyl Acetate	NS	NS	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	10 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	5 U	5 U
Methylcyclohexane	NS	NS	5 U	5 U
Methylene Chloride	0.0500	100	2 U	2 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	1 U	1 U
Styrene	NS	NS	1 U	1 U
Tert-Butyl Methyl Ether	0.930	100	1 U	1 U
Tetrachloroethylene (PCE)	1.30	19.0	1 U	1 U
Toluene	0.700	100	1 U	1 U
Trans-1,2-Dichloroethene	0.190	100	1 U	1 U
Trans-1,3-Dichloropropene	NS	NS	1 U	1 U
Trichloroethylene (TCE)	0.470	21.0	1 U	1 U
Trichlorofluoromethane	NS	NS	2 U	2 U
Vinyl Chloride	0.0200	0.900	1 U	1 U
Xylenes, Total	0.260	100	1 U	1 U

Table 7b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	UST-1B (8) 20180628	UST-1E (6) 20180628	UST-1N (6) 20180628	UST-1P(8) 20180629	UST-1X(8) 20180629	UST-1X(8) 20180629
		Laboratory Sample ID	JC68955-5	JC68955-3	JC68955-1	JC68955-6	JC68955-7	JC68955-7
		Date Sampled	6/28/2018 10:35:00 AM	6/28/2018 11:20:00 AM	6/28/2018 10:55:00 AM	6/29/2018 10:55:00 AM	6/29/2018 11:00:00 AM	6/29/2018 11:00:00 AM
		Sample Depth (Feet Below Grade)	8	6	6	8	8	6
		Dilution Factor	1	1	1	1	1	2
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
2,3,4,6-Tetrachlorophenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 UJ	0.18 UJ	NR
2,4,5-Trichlorophenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
2,4,6-Trichlorophenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
2,4-Dichlorophenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
2,4-Dimethylphenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
2,4-Dinitrophenol	NS	NS	0.2 UJ	0.19 UJ	0.2 UJ	0.19 U	0.18 U	NR
2,4-Dinitrotoluene	NS	NS	0.039 U	0.039 U	0.039 U	0.037 U	0.036 U	NR
2,6-Dinitrotoluene	NS	NS	0.039 U	0.039 U	0.039 U	0.037 U	0.036 U	NR
2-Chloronaphthalene	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
2-Chlorophenol	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
2-Methylnaphthalene	NS	NS	0.0102 J	0.0121 J	0.039 U	0.037 U	0.0534	NR
2-Methylphenol (O-Cresol)	0.330	100	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
2-Nitroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
2-Nitrophenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
3,3'-Dichlorobenzidine	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
3-Nitroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
4,6-Dinitro-2-Methylphenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
4-Bromophenyl Phenyl Ether	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
4-Chloro-3-Methylphenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
4-Chloroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
4-Chlorophenyl Phenyl Ether	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	NR	NR	NR	NR
4-Nitroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
4-Nitrophenol	NS	NS	0.39 U	0.39 U	0.39 U	0.37 UJ	0.36 UJ	NR
Acenaphthene	20.0	100	0.0627	0.0208 J	0.0148 J	0.037 U	0.116	NR
Acenaphthylene	100	100	0.0265 J	0.26	0.039 U	0.037 U	0.036 U	NR
Acetophenone	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
Anthracene	100	100	0.159	0.216	0.0628	0.037 U	0.232	NR
Atrazine	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Benzaldehyde	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
Benzo(a)Anthracene	1.00	1.00	0.503	**1.13**	0.304	0.0646 JL	NR	0.475 D
Benzo(a)Pyrene	1.00	1.00	0.44	**1.17**	0.261	0.0693 JL	0.416	NR
Benzo(b)Fluoranthene	1.00	1.00	0.48	**1.56**	0.279	0.0752 JL	0.446 JK	NR
Benzo(g,h,i)Perylene	100	100	0.31	0.943	0.159	0.047 JL	0.237	NR
Benzo(k)Fluoranthene	0.800	3.90	0.197	0.515	0.121	0.0232 JL	0.166	NR
Benzyl Butyl Phthalate	NS	NS	0.078 U	0.078 U	0.079 U	0.074 UJ	0.073 UJ	NR
Biphenyl (Diphenyl)	NS	NS	0.078 U	0.0088 J	0.079 U	0.074 U	0.0146 J	NR
Bis(2-Chloroethoxy) Methane	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Bis(2-Chloroisopropyl) Ether	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Caprolactam	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Carbazole	NS	NS	0.0695 J	0.236	0.011 J	0.074 U	0.131	NR
Chrysene	1.00	3.90	0.505	**1.29**	0.3	0.0596 JL	NR	0.477 D
Dibenz(a,h)Anthracene	0.330	0.330	0.0917	0.282	0.0495	0.037 U	0.0538	NR
Dibenzofuran	7.00	59.0	0.0364 J	0.0574 J	0.079 U	0.074 U	0.097	NR
Diethyl Phthalate	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Dimethyl Phthalate	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Di-N-Butyl Phthalate	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Di-N-Octylphthalate	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Fluoranthene	100	100	1.02	2.65	0.555	0.0855 JL	1.34	NR
Fluorene	30.0	100	0.063	0.0719	0.039 U	0.037 U	0.115	NR
Hexachlorobenzene	0.330	1.20	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Hexachlorobutadiene	NS	NS	0.039 U	0.039 U	0.039 U	0.037 U	0.036 U	NR
Hexachlorocyclopentadiene	NS	NS	0.39 U	0.39 U	0.39 U	0.37 UJ	0.36 UJ	NR
Hexachloroethane	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	0.268	**0.848**	0.14	0.0333 JL	0.188	NR
Isophorone	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Naphthalene	12.0	100	0.0136 J	0.0211 J	0.039 U	0.037 U	0.0971	NR
Nitrobenzene	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
N-Nitrosodi-N-Propylamine	NS	NS	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
N-Nitrosodiphenylamine	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	NR
Pentachlorophenol	0.800	6.70	0.16 U	0.16 U	0.16 U	0.15 UJ	0.15 UJ	NR
Phenanthrene	100	100	0.836	1.69	0.211	0.0624 JL	1.79	NR
Phenol	0.330	100	0.078 U	0.078 U	0.079 U	0.074 U	0.073 U	NR
Pyrene	100	100	1.01	2.17	0.55	0.093 JL	NR	1.45 D

Table 7b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	UST-1S (6) 20180628	UST-1W (6) 20180628	UST-2_3B(10)20180821	UST-2_3E(8)20180817	UST-2_3X(8)20180817	UST-2_3N(8)20180817
			Laboratory Sample ID	JC68955-2	JC68955-4	JC72121-8	JC72121-3	JC72121-4	JC72121-1
			Date Sampled	6/28/2018 11:10:00 AM	6/28/2018 11:25:00 AM	8/21/2018 11:27:00 AM	8/17/2018 12:00:00 PM	8/17/2018 12:05:00 PM	8/17/2018 11:40:00 AM
			Sample Depth (Feet Below Grade)	6	6	10	8	8	8
			Dilution Factor	1	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**		Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
2,3,4,6-Tetrachlorophenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 UJ	0.18 UJ	0.19 UJ
2,4,5-Trichlorophenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
2,4,6-Trichlorophenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
2,4-Dichlorophenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
2,4-Dimethylphenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
2,4-Dinitrophenol	NS	NS		0.19 UJ	0.19 UJ	0.2 UJ	0.2 U	0.18 U	0.19 U
2,4-Dinitrotoluene	NS	NS		0.038 U	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
2,6-Dinitrotoluene	NS	NS		0.038 U	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
2-Chloronaphthalene	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
2-Chlorophenol	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
2-Methylnaphthalene	NS	NS		0.0089 J	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
2-Methylphenol (O-Cresol)	0.330	100		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
2-Nitroaniline	NS	NS		0.19 U	0.19 U	0.2 U	0.2 UJ	0.18 UJ	0.19 UJ
2-Nitrophenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 UJ	0.18 UJ	0.19 UJ
3,3'-Dichlorobenzidine	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
3-Nitroaniline	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
4,6-Dinitro-2-Methylphenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
4-Bromophenyl Phenyl Ether	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
4-Chloro-3-Methylphenol	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
4-Chloroaniline	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
4-Chlorophenyl Phenyl Ether	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
4-Methylphenol (P-Cresol)	0.330	100		NR	NR	NR	NR	NR	NR
4-Nitroaniline	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
4-Nitrophenol	NS	NS		0.38 U	0.39 U	0.39 U	0.4 U	0.36 U	0.38 U
Acenaphthene	20.0	100		0.0429	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
Acenaphthylene	100	100		0.309	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
Acetophenone	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
Anthracene	100	100		0.302	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
Atrazine	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Benzaldehyde	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
Benzo(a)Anthracene	1.00	1.00		**1.41**	0.0579	0.0246 J	0.0128 J	0.0155 J	0.038 U
Benzo(a)Pyrene	1.00	1.00		**1.42**	0.0519	0.0228 J	0.04 U	0.036 U	0.038 U
Benzo(b)Fluoranthene	1.00	1.00		**1.72**	0.055	0.0302 J	0.04 U	0.0171 J	0.038 U
Benzo(g,h,i)Perylene	100	100		1.31	0.0321 J	0.039 U	0.04 U	0.036 U	0.038 U
Benzo(k)Fluoranthene	0.800	3.90		0.64	0.0247 J	0.039 U	0.04 U	0.036 U	0.038 U
Benzyl Butyl Phthalate	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Biphenyl (Diphenyl)	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Bis(2-Chloroethoxy) Methane	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Bis(2-Chloroisopropyl) Ether	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Bis(2-Ethylhexyl) Phthalate	NS	NS		0.165	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Caprolactam	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Carbazole	NS	NS		0.2	0.007 J	0.078 U	0.079 U	0.072 U	0.076 U
Chrysene	1.00	3.90		**1.34**	0.0483	0.022 J	0.04 U	0.036 U	0.038 U
Dibenz(a,h)Anthracene	0.330	0.330		**0.332**	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
Dibenzofuran	7.00	59.0		0.032 J	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Diethyl Phthalate	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Dimethyl Phthalate	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Di-N-Butyl Phthalate	NS	NS		0.0525 J	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Di-N-Octylphthalate	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Fluoranthene	100	100		2.77	0.109	0.0374 J	0.04 U	0.0213 J	0.038 U
Fluorene	30.0	100		0.0681	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
Hexachlorobenzene	0.330	1.20		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Hexachlorobutadiene	NS	NS		0.038 U	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
Hexachlorocyclopentadiene	NS	NS		0.38 U	0.39 U	0.39 U	0.4 U	0.36 U	0.38 U
Hexachloroethane	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500		**1.11**	0.0275 J	0.039 U	0.04 U	0.036 U	0.038 U
Isophorone	NS	NS		0.075 U	0.077 U	0.078 U	0.079 UJ	0.072 UJ	0.076 UJ
Naphthalene	12.0	100		0.0182 J	0.039 U	0.039 U	0.04 U	0.036 U	0.038 U
Nitrobenzene	NS	NS		0.075 U	0.077 U	0.078 U	0.079 UJ	0.072 UJ	0.076 UJ
N-Nitrosodi-N-Propylamine	NS	NS		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
N-Nitrosodiphenylamine	NS	NS		0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U
Pentachlorophenol	0.800	6.70		0.15 U	0.15 U	0.16 U	0.16 U	0.14 U	0.15 U
Phenanthrene	100	100		1	0.0706	0.0169 J	0.04 U	0.036 U	0.038 U
Phenol	0.330	100		0.075 U	0.077 U	0.078 U	0.079 U	0.072 U	0.076 U
Pyrene	100	100		2.37	0.109	0.0419	0.04 U	0.0191 J	0.038 U

Table 7b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	UST-2_3S(8)20180817	UST-2_3W(8)20180817	FB 20180629	UST-2_3FB 20180817
		Laboratory Sample ID	JC72121-2	JC72121-5	JC68955-8	JC72121-6
		Date Sampled	8/17/2018 11:50:00 AM	8/17/2018 1:00:00 PM	6/29/2018 2:45:00 PM	8/17/2018 2:25:00 PM
		Sample Depth (Feet Below Grade)	8	8	N/A	N/A
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.19 U	0.19 U	2.2 U	2 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.19 UJ	0.19 UJ	5.6 U	5.1 U
2,4,5-Trichlorophenol	NS	NS	0.19 U	0.19 U	5.6 U	5.1 U
2,4,6-Trichlorophenol	NS	NS	0.19 U	0.19 U	5.6 U	5.1 U
2,4-Dichlorophenol	NS	NS	0.19 U	0.19 U	2.2 U	2 U
2,4-Dimethylphenol	NS	NS	0.19 U	0.19 U	5.6 U	5.1 U
2,4-Dinitrophenol	NS	NS	0.19 U	0.19 U	5.6 UJ	5.1 U
2,4-Dinitrotoluene	NS	NS	0.039 U	0.038 U	1.1 U	1 U
2,6-Dinitrotoluene	NS	NS	0.039 U	0.038 U	1.1 U	1 U
2-Chloronaphthalene	NS	NS	0.077 U	0.076 U	2.2 U	2 U
2-Chlorophenol	NS	NS	0.077 U	0.076 U	5.6 U	5.1 U
2-Methylnaphthalene	NS	NS	0.039 U	0.038 U	1.1 U	1 U
2-Methylphenol (O-Cresol)	0.330	100	0.077 U	0.076 U	2.2 U	2 U
2-Nitroaniline	NS	NS	0.19 UJ	0.19 UJ	5.6 U	5.1 U
2-Nitrophenol	NS	NS	0.19 UJ	0.19 UJ	5.6 U	5.1 U
3,3'-Dichlorobenzidine	NS	NS	0.077 U	0.076 U	2.2 U	2 U
3-Nitroaniline	NS	NS	0.19 U	0.19 U	5.6 U	5.1 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.19 U	0.19 U	5.6 UJ	5.1 U
4-Bromophenyl Phenyl Ether	NS	NS	0.077 U	0.076 U	2.2 U	2 U
4-Chloro-3-Methylphenol	NS	NS	0.19 U	0.19 U	5.6 U	5.1 U
4-Chloroaniline	NS	NS	0.19 U	0.19 U	5.6 U	5.1 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.077 U	0.076 U	2.2 U	2 U
4-Methylphenol (P-Cresol)	0.330	100	NR	NR	5.6 U	NR
4-Nitroaniline	NS	NS	0.19 U	0.19 U	11 U	5.1 U
4-Nitrophenol	NS	NS	0.39 U	0.38 U	1.1 U	10 U
Acenaphthene	20.0	100	0.039 U	0.038 U	1.1 U	1 U
Acenaphthylene	100	100	0.039 U	0.038 U	2.2 U	1 U
Acetophenone	NS	NS	0.19 U	0.19 U	1.1 U	2 U
Anthracene	100	100	0.039 U	0.038 U	2.2 U	1 U
Atrazine	NS	NS	0.077 U	0.076 U	5.6 U	2 U
Benzaldehyde	NS	NS	0.19 U	0.19 U	1.1 U	5.1 U
Benzo(a)Anthracene	1.00	1.00	0.039 U	0.038 U	1.1 UJ	1 U
Benzo(a)Pyrene	1.00	1.00	0.039 U	0.038 U	1.1 U	1 U
Benzo(b)Fluoranthene	1.00	1.00	0.039 U	0.038 U	1.1 U	1 U
Benzo(g,h,i)Perylene	100	100	0.039 U	0.038 U	1.1 U	1 U
Benzo(k)Fluoranthene	0.800	3.90	0.039 U	0.038 U	2.2 U	1 U
Benzyl Butyl Phthalate	NS	NS	0.077 U	0.076 U	1.1 U	2 U
Biphenyl (Diphenyl)	NS	NS	0.077 U	0.076 U	2.2 U	1 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.077 U	0.076 U	2.2 U	2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.077 U	0.076 U	2.2 U	2 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.077 U	0.076 U	2.2 UJ	2 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.077 U	0.076 U	2.2 U	2 U
Caprolactam	NS	NS	0.077 U	0.076 U	1.1 U	2 U
Carbazole	NS	NS	0.077 U	0.076 U	1.1 U	1 U
Chrysene	1.00	3.90	0.039 U	0.038 U	1.1 UJ	1 U
Dibenz(a,h)Anthracene	0.330	0.330	0.039 U	0.038 U	5.6 U	1 U
Dibenzofuran	7.00	59.0	0.077 U	0.076 U	2.2 U	5.1 U
Diethyl Phthalate	NS	NS	0.077 U	0.076 U	2.2 U	2 U
Dimethyl Phthalate	NS	NS	0.077 U	0.076 U	2.2 U	2 U
Di-N-Butyl Phthalate	NS	NS	0.077 U	0.076 U	2.2 U	2 U
Di-N-Octylphthalate	NS	NS	0.077 U	0.076 U	1.1 U	2 U
Fluoranthene	100	100	0.039 U	0.038 U	1.1 U	1 U
Fluorene	30.0	100	0.039 U	0.038 U	1.1 U	1 U
Hexachlorobenzene	0.330	1.20	0.077 U	0.076 U	1.1 U	1 U
Hexachlorobutadiene	NS	NS	0.039 U	0.038 U	11 U	1 U
Hexachlorocyclopentadiene	NS	NS	0.39 U	0.38 U	2.2 U	10 U
Hexachloroethane	NS	NS	0.19 U	0.19 U	1.1 UJ	2 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	0.039 U	0.038 U	2.2 U	1 U
Isophorone	NS	NS	0.077 U	0.076 UJ	1.1 U	2 U
Naphthalene	12.0	100	0.039 U	0.038 U	2.2 U	1 U
Nitrobenzene	NS	NS	0.077 U	0.076 UJ	2.2 U	2 U
N-Nitrosodi-N-Propylamine	NS	NS	0.077 U	0.076 U	5.6 U	2 U
N-Nitrosodiphenylamine	NS	NS	0.19 U	0.19 U	4.4 U	5.1 U
Pentachlorophenol	0.800	6.70	0.15 U	0.15 U	1.1 U	4 U
Phenanthrene	100	100	0.039 U	0.038 U	2.2 U	1 U
Phenol	0.330	100	0.077 U	0.076 U	1.1 U	2 U
Pyrene	100	100	0.039 U	0.038 U	1 U	1 U

Table 7c
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	UST-1B (8) 20180628	UST-1E (6) 20180628	UST-1N (6) 20180628	UST-1P(8) 20180629
		Laboratory Sample ID	JC68955-5	JC68955-3	JC68955-1	JC68955-6
		Date Sampled	6/28/2018 10:35:00 AM	6/28/2018 11:20:00 AM	6/28/2018 10:55:00 AM	6/29/2018 10:55:00 AM
		Sample Depth (Feet Below Grade)	8	6	6	8
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Alpha Endosulfan	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Beta Endosulfan	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Chlordane, Total	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U
cis-Chlordane	0.0940	4.20	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Dieldrin	0.00500	0.200	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Endosulfan Sulfate	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Endrin	0.0140	11.0	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Endrin Aldehyde	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Endrin Ketone	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Gamma Bhc (Lindane)	0.100	1.30	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Heptachlor	0.0420	2.10	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Heptachlor Epoxide	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U
Methoxychlor	NS	NS	0.0016 U	0.0015 U	0.0016 U	0.0013 U
P,P'-DDD	0.00330	13.0	0.00079 U	0.00076 U	0.0008 U	0.00067 U
P,P'-DDE	0.00330	8.90	0.00079 U	0.00076 U	0.0008 U	0.00067 U
P,P'-DDT	0.00330	7.90	0.0015 JN	0.00076 U	0.0008 U	0.00067 U
Toxaphene	NS	NS	0.02 U	0.019 U	0.02 U	0.017 U
trans-Chlordane	NS	NS	0.00079 U	0.00076 U	0.0008 U	0.00067 U

Table 7c
3500 Park Avenue Apartments
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Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	UST-1X(8) 20180629	UST-1S (6) 20180628	UST-1W (6) 20180628	UST-2_3B(10)20180821
		Laboratory Sample ID	JC68955-7	JC68955-2	JC68955-4	JC72121-8
		Date Sampled	6/29/2018 11:00:00 AM	6/28/2018 11:10:00 AM	6/28/2018 11:25:00 AM	8/21/2018 11:27:00 AM
		Sample Depth (Feet Below Grade)	8	6	6	10
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Alpha Endosulfan	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Beta Endosulfan	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Chlordane, Total	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U
cis-Chlordane	0.0940	4.20	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Dieldrin	0.00500	0.200	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Endosulfan Sulfate	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Endrin	0.0140	11.0	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Endrin Aldehyde	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Endrin Ketone	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Gamma Bhc (Lindane)	0.100	1.30	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Heptachlor	0.0420	2.10	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Heptachlor Epoxide	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U
Methoxychlor	NS	NS	0.0014 U	0.0014 U	0.0015 U	0.0015 U
P,P'-DDD	0.00330	13.0	0.00072 U	0.00071 U	0.00077 U	0.00077 U
P,P'-DDE	0.00330	8.90	0.00072 U	0.00071 U	0.00077 U	0.00077 U
P,P'-DDT	0.00330	7.90	0.00072 U	**0.0172**	0.00077 U	0.00077 U
Toxaphene	NS	NS	0.018 U	0.018 U	0.019 U	0.019 U
trans-Chlordane	NS	NS	0.00072 U	0.00071 U	0.00077 U	0.00077 U

Table 7c
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	UST-2_3E(8)20180817	UST-2_3X(8)20180817	UST-2_3N(8)20180817	UST-2_3S(8)20180817
		Laboratory Sample ID	JC72121-3	JC72121-4	JC72121-1	JC72121-2
		Date Sampled	8/17/2018 12:00:00 PM	8/17/2018 12:05:00 PM	8/17/2018 11:40:00 AM	8/17/2018 11:50:00 AM
		Sample Depth (Feet Below Grade)	8	8	8	8
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Alpha Endosulfan	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Beta Endosulfan	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Chlordane, Total	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U
cis-Chlordane	0.0940	4.20	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Dieldrin	0.00500	0.200	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Endosulfan Sulfate	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Endrin	0.0140	11.0	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Endrin Aldehyde	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Endrin Ketone	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Gamma Bhc (Lindane)	0.100	1.30	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Heptachlor	0.0420	2.10	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Heptachlor Epoxide	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Methoxychlor	NS	NS	0.0016 U	0.0013 U	0.0015 U	0.0014 U
P,P'-DDD	0.00330	13.0	0.00078 U	0.00066 U	0.00075 U	0.00071 U
P,P'-DDE	0.00330	8.90	0.00078 U	0.00066 U	0.00075 U	0.00071 U
P,P'-DDT	0.00330	7.90	0.00078 U	0.00066 U	0.00075 U	0.00071 U
Toxaphene	NS	NS	0.019 U	0.017 U	0.019 U	0.018 U
trans-Chlordane	NS	NS	0.00078 U	0.00066 U	0.00075 U	0.00071 U

Table 7c
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Pesticides

		AKRF Sample ID	UST-2_3W(8)20180817	FB 20180629	UST-2_3FB 20180817
		Laboratory Sample ID	JC72121-5	JC68955-8	JC72121-6
		Date Sampled	8/17/2018 1:00:00 PM	6/29/2018 2:45:00 PM	8/17/2018 2:25:00 PM
		Sample Depth (Feet Below Grade)	8	N/A	N/A
		Dilution Factor	1	1	1
		Unit	mg/kg	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00071 U	0.005 U	0.005 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00071 U	0.005 U	0.005 U
Alpha Endosulfan	NS	NS	0.00071 U	0.005 U	0.005 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00071 U	0.005 U	0.005 U
Beta Endosulfan	NS	NS	0.00071 U	0.005 U	0.005 U
Chlordane, Total	NS	NS	0.00032 J	0.005 U	0.005 U
cis-Chlordane	0.0940	4.20	0.00071 U	0.005 U	0.005 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00071 U	0.005 U	0.005 U
Dieldrin	0.00500	0.200	0.00071 U	0.005 U	0.005 U
Endosulfan Sulfate	NS	NS	0.00071 U	0.005 U	0.005 U
Endrin	0.0140	11.0	0.00071 U	0.005 U	0.005 U
Endrin Aldehyde	NS	NS	0.00071 U	0.005 U	0.005 U
Endrin Ketone	NS	NS	0.00071 U	0.005 U	0.005 U
Gamma Bhc (Lindane)	0.100	1.30	0.00071 U	0.005 U	0.005 U
Heptachlor	0.0420	2.10	0.00071 U	0.005 U	0.005 U
Heptachlor Epoxide	NS	NS	0.00071 U	0.005 U	0.005 U
Methoxychlor	NS	NS	0.0014 U	0.01 U	0.01 U
P,P'-DDD	0.00330	13.0	0.00071 U	0.005 U	0.005 U
P,P'-DDE	0.00330	8.90	0.00071 U	0.005 U	0.005 U
P,P'-DDT	0.00330	7.90	0.00071 U	0.005 U	0.005 U
Toxaphene	NS	NS	0.018 U	0.13 U	0.13 U
trans-Chlordane	NS	NS	0.00032 J	0.005 U	0.005 U

Table 7d
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	UST-1B (8) 20180628	UST-1E (6) 20180628	UST-1N (6) 20180628	UST-1P(8) 20180629	UST-1X(8) 20180629
		Laboratory Sample ID	JC68955-5	JC68955-3	JC68955-1	JC68955-6	JC68955-7
		Date Sampled	6/28/2018 10:35:00 AM	6/28/2018 11:20:00 AM	6/28/2018 10:55:00 AM	6/29/2018 10:55:00 AM	6/29/2018 11:00:00 AM
		Sample Depth (Feet Below Grade)	8	6	6	8	8
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1221 (Aroclor 1221)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1232 (Aroclor 1232)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1242 (Aroclor 1242)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1248 (Aroclor 1248)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1254 (Aroclor 1254)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1260 (Aroclor 1260)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1262 (Aroclor 1262)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
PCB-1268 (Aroclor 1268)	NS	NS	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U
Total PCBs	0.100	1.00	0.041 U	0.038 U	0.036 U	0.033 U	0.036 U

Table 7d
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	UST-1S (6) 20180628	UST-1W (6) 20180628	UST-2_3B(10)20180821	UST-2_3E(8)20180817	UST-2_3X(8)20180817
		Laboratory Sample ID	JC68955-2	JC68955-4	JC72121-8	JC72121-3	JC72121-4
		Date Sampled	6/28/2018 11:10:00 AM	6/28/2018 11:25:00 AM	8/21/2018 11:27:00 AM	8/17/2018 12:00:00 PM	8/17/2018 12:05:00 PM
		Sample Depth (Feet Below Grade)	6	6	10	8	8
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1221 (Aroclor 1221)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1232 (Aroclor 1232)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1242 (Aroclor 1242)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1248 (Aroclor 1248)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1254 (Aroclor 1254)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1260 (Aroclor 1260)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1262 (Aroclor 1262)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
PCB-1268 (Aroclor 1268)	NS	NS	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U
Total PCBs	0.100	1.00	0.037 U	0.038 U	0.039 U	0.04 U	0.036 U

Table 7d
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	UST-2_3N(8)20180817	UST-2_3S(8)20180817	UST-2_3W(8)20180817	FB 20180629	UST-2_3FB 20180817
		Laboratory Sample ID	JC72121-1	JC72121-2	JC72121-5	JC68955-8	JC72121-6
		Date Sampled	8/17/2018 11:40:00 AM	8/17/2018 11:50:00 AM	8/17/2018 1:00:00 PM	6/29/2018 2:45:00 PM	8/17/2018 2:25:00 PM
		Sample Depth (Feet Below Grade)	8	8	8	N/A	N/A
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCB-1016 (Aroclor 1016)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1221 (Aroclor 1221)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1232 (Aroclor 1232)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1242 (Aroclor 1242)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1248 (Aroclor 1248)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1254 (Aroclor 1254)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1260 (Aroclor 1260)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1262 (Aroclor 1262)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
PCB-1268 (Aroclor 1268)	NS	NS	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U
Total PCBs	0.100	1.00	0.038 U	0.039 U	0.038 U	0.25 U	0.25 U

Table 7e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	UST-1B (8) 20180628	UST-1E (6) 20180628	UST-1N (6) 20180628	UST-1P(8) 20180629	UST-1P(8) 20180629
		Laboratory Sample ID	JC68955-5	JC68955-3	JC68955-1	JC68955-6	JC68955-6
		Date Sampled	6/28/2018 10:35:00 AM	6/28/2018 11:20:00 AM	6/28/2018 10:55:00 AM	6/29/2018 10:55:00 AM	6/29/2018 10:55:00 AM
		Sample Depth (Feet Below Grade)	8	6	6	8	8
		Dilution Factor	1	1	1	1	2
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	16100	19000	22800	15800	NA
Antimony	NS	NS	2.4 U	2.4 U	2.4 U	2.2 UJ	NA
Arsenic	13.0	16.0	11.7	6.8	6.7	4.5	NA
Barium	350	400	200	112	78.3	37.6	NA
Beryllium	7.20	72.0	0.82	0.89	0.77	NR	0.55 D
Cadmium	2.50	4.30	0.98	0.6 U	0.59 U	0.55 U	NA
Calcium	NS	NS	7690	11900	2790	1320 J	NA
Chromium, Hexavalent	1.00	110	1	**2**	**1.2**	0.88	NA
Chromium, Total	NS	NS	28.7	34	29.8	25.9	NA
Cobalt	NS	NS	9.4	11.9	11.9	NR	11 U
Copper	50.0	270	**57.3**	**65.8**	17.7	NR	14.2 D
Cyanide	27.0	27.0	0.31	0.16 U	0.21 U	0.23 U	NA
Iron	NS	NS	25400	25600	28700	NR	22500 D
Lead	63.0	400	**336**	**160**	45.8	NR	7.9 D
Magnesium	NS	NS	4990	8170	4680	4180	NA
Manganese	1600	2000	438	481	449	NR	390 JD
Mercury	0.180	0.810	**0.59**	**0.59**	0.17	0.038	NA
Nickel	30.0	310	23.2	**60**	20.4	17.3	NA
Potassium	NS	NS	1500	1620	1550	1180	NA
Selenium	3.90	180	2.4 U	2.4 U	2.4 U	NR	4.4 U
Silver	2.00	180	0.85	0.9	0.83	NR	1.2 D
Sodium	NS	NS	1200 U	1200 U	1200 U	1100 UJ	NA
Thallium	NS	NS	1.2 U	1.2 U	1.2 U	NR	2.2 U
Vanadium	NS	NS	40.5	40.8	48.4	36.7	NA
Zinc	109	10000	**374**	**158**	**130**	33.1	NA

Table 7e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	UST-1X(8) 20180629	UST-1X(8) 20180629	UST-1S (6) 20180628	UST-1W (6) 20180628	UST-2_3B(10)20180821
		Laboratory Sample ID	JC68955-7	JC68955-7	JC68955-2	JC68955-4	JC72121-8
		Date Sampled	6/29/2018 11:00:00 AM	6/29/2018 11:00:00 AM	6/28/2018 11:10:00 AM	6/28/2018 11:25:00 AM	8/21/2018 11:27:00 AM
		Sample Depth (Feet Below Grade)	8	8	6	6	10
		Dilution Factor	1	2	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	16900	NA	12900	19000	12300
Antimony	NS	NS	2.3 U	NA	2.2 U	2.5 U	2.4 U
Arsenic	13.0	16.0	4.3	NA	5.8	5.4	2.8
Barium	350	400	43.7	NA	99.8	81.9	43
Beryllium	7.20	72.0	NR	0.62 D	0.67	0.91	0.51
Cadmium	2.50	4.30	0.57 U	NA	0.71	0.62 U	0.6 U
Calcium	NS	NS	1600	NA	17800	2450	2520
Chromium, Hexavalent	1.00	110	0.86	NA	0.84	**1.2**	**2.7 J**
Chromium, Total	NS	NS	29	NA	29.6	25	29.3
Cobalt	NS	NS	NR	11 U	10.2	9.9	7.7
Copper	50.0	270	NR	15.4 D	**51**	17.1	20.3
Cyanide	27.0	27.0	0.16 U	NA	0.23 U	0.23 U	0.19 U
Iron	NS	NS	NR	25600 D	23100	21100	17400
Lead	63.0	400	10.8	NA	**133**	**78.6**	19
Magnesium	NS	NS	4590	NA	10400	4140	4950
Manganese	1600	2000	386	NA	414	446	331
Mercury	0.180	0.810	0.042	NA	0.12	**0.26**	0.13
Nickel	30.0	310	19.5	NA	**33.8**	18.4	20
Potassium	NS	NS	1370	NA	1710	1250	1200 U
Selenium	3.90	180	NR	4.5 U	2.2 U	2.5 U	2.4 U
Silver	2.00	180	NR	1.1 U	0.95	0.72	0.6 U
Sodium	NS	NS	1100 U	NA	1100 U	1200 U	1200 U
Thallium	NS	NS	NR	2.3 U	1.1 U	1.2 U	1.2 U
Vanadium	NS	NS	38.9	NA	68.5	35	27.6
Zinc	109	10000	40.4	NA	**225**	70.8	52.3

Table 7e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	UST-2_3E(8)20180817	UST-2_3X(8)20180817	UST-2_3N(8)20180817	UST-2_3S(8)20180817	UST-2_3S(8)20180817
		Laboratory Sample ID	JC72121-3	JC72121-4	JC72121-1	JC72121-2	JC72121-2
		Date Sampled	8/17/2018 12:00:00 PM	8/17/2018 12:05:00 PM	8/17/2018 11:40:00 AM	8/17/2018 11:50:00 AM	8/17/2018 11:50:00 AM
		Sample Depth (Feet Below Grade)	8	8	8	8	8
		Dilution Factor	1	1	1	1	2
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	12700	11500	17100	20800	NA
Antimony	NS	NS	2.4 U	2.1 U	2.3 UJ	2.3 U	NA
Arsenic	13.0	16.0	2.6	2.3	3.9	5	NA
Barium	350	400	38.2	40.2	55.7	55.2	NA
Beryllium	7.20	72.0	0.3	0.29	0.42	0.56	NA
Cadmium	2.50	4.30	0.6 U	0.53 U	0.58 U	0.58 U	NA
Calcium	NS	NS	1970	2740	2270 J	1390	NA
Chromium, Hexavalent	1.00	110	0.77	0.96	**1.6**	**2.5**	NA
Chromium, Total	NS	NS	24.5	30.3	38	33.2	NA
Cobalt	NS	NS	6.4	6.4	9.9	10.2	NA
Copper	50.0	270	16.3	20.6	25.9	NR	14.7 D
Cyanide	27.0	27.0	0.2 U	0.23 U	0.25 U	0.21 U	NA
Iron	NS	NS	16000	14300	23100	NR	28500 D
Lead	63.0	400	17.3 JL	35.2 J	28.9	NR	15 D
Magnesium	NS	NS	5200	4620	5930	3610	NA
Manganese	1600	2000	255	236	355	NR	493 D
Mercury	0.180	0.810	0.099 JL	**0.3 J**	0.066	0.045	NA
Nickel	30.0	310	17.3	19.8	27.5	19.5	NA
Potassium	NS	NS	1390	1100 U	1390	1480	NA
Selenium	3.90	180	2.4 U	2.1 U	2.3 U	NR	4.6 U
Silver	2.00	180	0.6 U	0.53 U	0.58 U	NR	1.2 U
Sodium	NS	NS	1200 U	1100 U	1200 U	1200 U	NA
Thallium	NS	NS	1.2 U	1.1 U	1.2 U	NR	2.3 U
Vanadium	NS	NS	28.8	31.6	46.7	45.9	NA
Zinc	109	10000	50.8	64.3	64.6	40	NA

Table 7e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Tank Soil Endpoint Sample Analytical Results
Metals and Mercury

		AKRF Sample ID	UST-2_3W(8)20180817	UST-2_3W(8)20180817	FB 20180629	UST-2_3FB 20180817
		Laboratory Sample ID	JC72121-5	JC72121-5	JC68955-8	JC72121-6
		Date Sampled	8/17/2018 1:00:00 PM	8/17/2018 1:00:00 PM	6/29/2018 2:45:00 PM	8/17/2018 2:25:00 PM
		Sample Depth (Feet Below Grade)	8	8	N/A	N/A
		Dilution Factor	1	2	1	1
		Unit	mg/kg	mg/kg	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	17300	NA	200 U	200 U
Antimony	NS	NS	2.3 U	NA	6 U	6 U
Arsenic	13.0	16.0	4.1	NA	3 U	3 U
Barium	350	400	43.3	NA	200 U	200 U
Beryllium	7.20	72.0	0.51	NA	1 U	1 U
Cadmium	2.50	4.30	0.58 U	NA	3 U	3 U
Calcium	NS	NS	1720	NA	5000 U	5000 U
Chromium, Hexavalent	1.00	110	**1.5**	NA	10 R	10 U
Chromium, Total	NS	NS	34.3	NA	10 U	10 U
Cobalt	NS	NS	9.6	NA	50 U	50 U
Copper	50.0	270	NR	16.7 D	10 U	10 U
Cyanide	27.0	27.0	0.21 U	NA	NA	10 U
Iron	NS	NS	NR	25800 D	100 U	100 U
Lead	63.0	400	NR	10.4 D	3 U	3 U
Magnesium	NS	NS	4270	NA	5000 U	5000 U
Manganese	1600	2000	NR	370 D	15 U	15 U
Mercury	0.180	0.810	0.053	NA	0.2 U	0.2 U
Nickel	30.0	310	22.8	NA	10 U	10 U
Potassium	NS	NS	1400	NA	10000 U	10000 U
Selenium	3.90	180	NR	4.7 U	10 U	10 U
Silver	2.00	180	NR	1.2 U	10 U	10 U
Sodium	NS	NS	1200 U	NA	10000 U	10000 U
Thallium	NS	NS	NR	2.3 U	10 U	10 U
Vanadium	NS	NS	40.7	NA	50 U	50 U
Zinc	109	10000	39.3	NA	20 U	20 U

Table 6a-7e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Soil Endpoint Sample Analytical Results
Notes

GENERAL

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of Part 375 Unrestricted Soil Cleanup Objectives (UUSCOs) are highlighted in bold font.
Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs) are highlighted in gray.

DUPLICATES

Post-Excavation Endpoint Samples:
Blind Duplicate "EP-X(15) 20180822" was collected from EP-4(15)20180822.
Blind Duplicate "EP-X(16)20180926 " was collected from EP-A2(16)20180926.
Blind Duplicate "EP-X_13_20181019" was collected from EP-7_13_20181019.
Blind Duplicate "EP-X_7_20181204" was collected from EP-9_7_20181204.
Blind Duplicate "EP-X_10_20190111" was collected from EP-14_10_20190111.
Blind Duplicate "EP-X_3_20190129" was collected from EP-12_3_20190129.
Blind Duplicate "EP-X_2_20190531" was collected from EP-18_2_20190531.

Tank Endpoint Samples:
Blind Duplicate "UST-1X(8) 20180629" was collected from UST-1P(8) 20180629.
Blind Duplicate "UST-2_3X(8)20180817" was collected from UST-2_3E(8)20180817.

DEFINITIONS

D : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any diffe between the concentrations reported in the two analyses.

J : The reported value is estimated.

K : Reported concentration value is proportional to dilution factor and may be exagerated.

L : Sample result is estimated and biased low.

N : Indicates presumptive evidence of a compound. This flag is usually used for a tentatively identified compound, where the identification is based on a mass spectral library search.

P : Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.

R : The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. (Letters in bold indicate updated qualifiers based on the data usability report provided by Environmental Data Services Inc.)

T : Indicates that a quality control parameter has exceeded laboratory limits.

U : Indicates that the compound was analyzed for, but not detected.

NA : Not analyzed

NR : Not reported

NS : No standard

mg/kg : milligrams per kilogram = parts per million (ppm)

µg/L : micrograms per Liter

Table 8a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Imported Soil Sample Analytical Results
Volatile Organic Compounds

		AKRF Sample ID	ISP-1_20190617	ISP-X_20190617	ISP-2_20190617	ISP-G1_20190617
		Laboratory Sample ID	JC90028-6	JC90028-8	JC90028-7	JC90028-1
		Date Sampled	6/17/2019 12:45:00 PM	6/17/2019 12:00:00 PM	6/17/2019 1:00:00 PM	6/17/2019 12:15:00 PM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0021 U	0.0019 U	0.0025 U	0.0031 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
1,1,2-Trichloroethane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
1,1-Dichloroethane	0.270	26.0	0.001 U	0.00097 U	0.0012 U	0.0015 U
1,1-Dichloroethene	0.330	100	0.001 U	0.00097 U	0.0012 U	0.0015 U
1,2,3-Trichlorobenzene	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
1,2,4-Trichlorobenzene	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.001 U	0.00097 U	0.0012 U	0.0015 U
1,2-Dichlorobenzene	1.10	100	0.001 U	0.00097 U	0.0012 U	0.0015 U
1,2-Dichloroethane	0.0200	3.10	0.001 U	0.00097 U	0.0012 U	0.0015 U
1,2-Dichloropropane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
1,3-Dichlorobenzene	2.40	49.0	0.001 U	0.00097 U	0.0012 U	0.0015 U
1,4-Dichlorobenzene	1.80	13.0	0.001 U	0.00097 U	0.0012 U	0.0015 U
2-Hexanone	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Acetone	0.0500	100	0.0228	0.0123	0.0105 J	0.0244
Benzene	0.0600	4.80	0.00052 U	0.00048 U	0.00061 U	0.00077 U
Bromochloromethane	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Bromodichloromethane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Bromoform	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Bromomethane	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Carbon Disulfide	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Carbon Tetrachloride	0.760	2.40	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Chlorobenzene	1.10	100	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Chloroethane	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Chloroform	0.370	49.0	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Chloromethane	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Cis-1,2-Dichloroethylene	0.250	100	0.001 U	0.00097 U	0.0012 U	0.0015 U
Cis-1,3-Dichloropropene	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Cyclohexane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Dibromochloromethane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Dichlorodifluoromethane	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Ethylbenzene	1.00	41.0	0.001 U	0.00097 U	0.0012 U	0.0015 U
Isopropylbenzene (Cumene)	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
M,P-Xylenes	NS	NS	0.001 U	0.00097 U	0.0012 U	0.0015 U
Methyl Acetate	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.01 U	0.0097 U	0.012 U	0.015 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Methylcyclohexane	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Methylene Chloride	0.0500	100	0.0037 J	0.0046 J	0.0054 J	0.0052 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.001 U	0.00097 U	0.0012 U	0.0015 U
Styrene	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Tert-Butyl Methyl Ether	0.930	100	0.001 U	0.00097 U	0.0012 U	0.0015 U
Tetrachloroethylene (PCE)	1.30	19.0	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Toluene	0.700	100	0.001 U	0.00097 U	0.0012 U	0.0015 U
Trans-1,2-Dichloroethene	0.190	100	0.001 U	0.00097 U	0.0012 U	0.0015 U
Trans-1,3-Dichloropropene	NS	NS	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Trichloroethylene (TCE)	0.470	21.0	0.001 U	0.00097 U	0.0012 U	0.0015 U
Trichlorofluoromethane	NS	NS	0.0052 U	0.0048 U	0.0061 U	0.0077 U
Vinyl Chloride	0.0200	0.900	0.0021 U	0.0019 U	0.0025 U	0.0031 U
Xylenes, Total	0.260	100	0.001 U	0.00097 U	0.0012 U	0.0015 U

Table 8a
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Imported Soil Sample Analytical Results
Volatile Organic Compounds

		AKRF Sample ID	ISP-G2_20190617	ISP-G3_20190617	ISP-G4_20190617	ISP-G5_20190617
		Laboratory Sample ID	JC90028-3	JC90028-4	JC90028-5	JC90028-2
		Date Sampled	6/17/2019 12:20:00 PM	6/17/2019 12:25:00 PM	6/17/2019 12:30:00 PM	6/17/2019 12:35:00 PM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	0.680	100	0.0021 U	0.0017 U	0.0021 U	0.002 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
1,1,2-Trichloroethane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
1,1-Dichloroethane	0.270	26.0	0.0011 U	0.00087 U	0.0011 U	0.001 U
1,1-Dichloroethene	0.330	100	0.0011 U	0.00087 U	0.0011 U	0.001 U
1,2,3-Trichlorobenzene	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
1,2,4-Trichlorobenzene	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0011 U	0.00087 U	0.0011 U	0.001 U
1,2-Dichlorobenzene	1.10	100	0.0011 U	0.00087 U	0.0011 U	0.001 U
1,2-Dichloroethane	0.0200	3.10	0.0011 U	0.00087 U	0.0011 U	0.001 U
1,2-Dichloropropane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
1,3-Dichlorobenzene	2.40	49.0	0.0011 U	0.00087 U	0.0011 U	0.001 U
1,4-Dichlorobenzene	1.80	13.0	0.0011 U	0.00087 U	0.0011 U	0.001 U
2-Hexanone	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Acetone	0.0500	100	0.011 U	0.0131000000	0.0100000000 J	0.01 U
Benzene	0.0600	4.80	0.00053 U	0.00044 U	0.00053 U	0.00051 U
Bromochloromethane	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Bromodichloromethane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Bromoform	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Bromomethane	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Carbon Disulfide	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Carbon Tetrachloride	0.760	2.40	0.0021 U	0.0017 U	0.0021 U	0.002 U
Chlorobenzene	1.10	100	0.0021 U	0.0017 U	0.0021 U	0.002 U
Chloroethane	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Chloroform	0.370	49.0	0.0021 U	0.0017 U	0.0021 U	0.002 U
Chloromethane	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Cis-1,2-Dichloroethylene	0.250	100	0.0011 U	0.00087 U	0.0011 U	0.001 U
Cis-1,3-Dichloropropene	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Cyclohexane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Dibromochloromethane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Dichlorodifluoromethane	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Ethylbenzene	1.00	41.0	0.0011 U	0.00087 U	0.0011 U	0.001 U
Isopropylbenzene (Cumene)	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
M,P-Xylenes	NS	NS	0.0011 U	0.00087 U	0.0011 U	0.001 U
Methyl Acetate	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Methyl Ethyl Ketone (2-Butanone)	0.120	100	0.011 U	0.0087 U	0.011 U	0.01 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Methylcyclohexane	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Methylene Chloride	0.0500	100	0.0039000000 J	0.0033000000 J	0.0036000000 J	0.0041000000 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0011 U	0.00087 U	0.0011 U	0.001 U
Styrene	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Tert-Butyl Methyl Ether	0.930	100	0.0011 U	0.00087 U	0.0011 U	0.001 U
Tetrachloroethylene (PCE)	1.30	19.0	0.0021 U	0.0017 U	0.0021 U	0.002 U
Toluene	0.700	100	0.0011 U	0.00087 U	0.0011 U	0.001 U
Trans-1,2-Dichloroethene	0.190	100	0.0011 U	0.00087 U	0.0011 U	0.001 U
Trans-1,3-Dichloropropene	NS	NS	0.0021 U	0.0017 U	0.0021 U	0.002 U
Trichloroethylene (TCE)	0.470	21.0	0.0011 U	0.00087 U	0.0011 U	0.001 U
Trichlorofluoromethane	NS	NS	0.0053 U	0.0044 U	0.0053 U	0.0051 U
Vinyl Chloride	0.0200	0.900	0.0021 U	0.0017 U	0.0021 U	0.002 U
Xylenes, Total	0.260	100	0.0011 U	0.00087 U	0.0011 U	0.001 U

Table 8b
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Imported Soil Sample Analytical Results
Semivolatile Organic Compounds

		AKRF Sample ID	ISP-1_20190617	ISP-X_20190617	ISP-2_20190617
		Laboratory Sample ID	JC90028-6	JC90028-8	JC90028-7
		Date Sampled	6/17/2019 12:45:00 PM	6/17/2019 12:00:00 PM	6/17/2019 1:00:00 PM
		Dilution Factor	1	1	1
		Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.18 UJ	0.18 UJ	0.18 UJ
2,3,4,6-Tetrachlorophenol	NS	NS	0.18 UJ	0.18 UJ	0.18 UJ
2,4,5-Trichlorophenol	NS	NS	0.18 U	0.18 U	0.18 U
2,4,6-Trichlorophenol	NS	NS	0.18 U	0.18 U	0.18 U
2,4-Dichlorophenol	NS	NS	0.18 U	0.18 U	0.18 U
2,4-Dimethylphenol	NS	NS	0.18 U	0.18 U	0.18 U
2,4-Dinitrophenol	NS	NS	0.18 UJ	0.18 UJ	0.18 UJ
2,4-Dinitrotoluene	NS	NS	0.036 U	0.035 U	0.035 U
2,6-Dinitrotoluene	NS	NS	0.036 U	0.035 U	0.035 U
2-Chloronaphthalene	NS	NS	0.072 U	0.07 U	0.07 U
2-Chlorophenol	NS	NS	0.072 U	0.07 U	0.07 U
2-Methylnaphthalene	NS	NS	0.036 U	0.035 U	0.035 U
2-Methylphenol (O-Cresol)	0.330	100	0.072 U	0.07 U	0.07 U
2-Nitroaniline	NS	NS	0.18 UJ	0.18 UJ	0.18 UJ
2-Nitrophenol	NS	NS	0.18 U	0.18 U	0.18 U
3,3'-Dichlorobenzidine	NS	NS	0.072 U	0.07 U	0.07 U
3-Nitroaniline	NS	NS	0.18 U	0.18 U	0.18 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.18 U	0.18 U	0.18 U
4-Bromophenyl Phenyl Ether	NS	NS	0.072 U	0.07 U	0.07 U
4-Chloro-3-Methylphenol	NS	NS	0.18 U	0.18 U	0.18 U
4-Chloroaniline	NS	NS	0.18 U	0.18 U	0.18 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.072 U	0.07 U	0.07 U
4-Nitroaniline	NS	NS	0.18 U	0.18 U	0.18 U
4-Nitrophenol	NS	NS	0.36 U	0.35 U	0.35 U
Acenaphthene	20.0	100	0.036 U	0.035 U	0.035 U
Acenaphthylene	100	100	0.036 U	0.035 U	0.035 U
Acetophenone	NS	NS	0.18 U	0.18 U	0.18 U
Anthracene	100	100	0.036 U	0.035 U	0.035 U
Atrazine	NS	NS	0.072 U	0.07 U	0.07 U
Benzaldehyde	NS	NS	0.18 U	0.18 U	0.18 U
Benzo(a)Anthracene	1.00	1.00	0.036 U	0.035 U	0.035 U
Benzo(a)Pyrene	1.00	1.00	0.036 U	0.035 U	0.035 U
Benzo(b)Fluoranthene	1.00	1.00	0.036 U	0.035 U	0.035 U
Benzo(g,h,i)Perylene	100	100	0.036 U	0.035 U	0.035 U
Benzo(k)Fluoranthene	0.800	3.90	0.036 U	0.035 U	0.035 U
Benzyl Butyl Phthalate	NS	NS	0.072 U	0.07 U	0.07 U
Biphenyl (Diphenyl)	NS	NS	0.072 U	0.07 U	0.07 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.072 U	0.07 U	0.07 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			0.072 U	0.07 U	0.07 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.072 UJ	0.07 UJ	0.07 UJ
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.072 U	0.07 U	0.07 U
Caprolactam	NS	NS	0.072 UJ	0.07 UJ	0.07 UJ
Carbazole	NS	NS	0.072 U	0.07 U	0.07 U
Chrysene	1.00	3.90	0.036 U	0.035 U	0.035 U
Dibenz(a,h)Anthracene	0.330	0.330	0.036 U	0.035 U	0.035 U
Dibenzofuran	7.00	59.0	0.072 U	0.07 U	0.07 U
Diethyl Phthalate	NS	NS	0.072 U	0.07 U	0.07 U
Dimethyl Phthalate	NS	NS	0.072 U	0.07 U	0.07 U
Di-N-Butyl Phthalate	NS	NS	0.072 U	0.07 U	0.07 U
Di-N-Octylphthalate	NS	NS	0.072 U	0.07 U	0.07 U
Fluoranthene	100	100	0.036 U	0.035 U	0.035 U
Fluorene	30.0	100	0.036 U	0.035 U	0.035 U
Hexachlorobenzene	0.330	1.20	0.072 U	0.07 U	0.07 U
Hexachlorobutadiene	NS	NS	0.036 U	0.035 U	0.035 U
Hexachlorocyclopentadiene	NS	NS	0.36 UJ	0.35 UJ	0.35 UJ
Hexachloroethane	NS	NS	0.18 U	0.18 U	0.18 U
Indeno(1,2,3-c,d)Pyrene	0.500	0.500	0.036 U	0.035 U	0.035 U
Isophorone	NS	NS	0.072 U	0.07 U	0.07 U
Naphthalene	12.0	100	0.036 U	0.035 U	0.035 U
Nitrobenzene	NS	NS	0.072 UJ	0.07 UJ	0.07 UJ
N-Nitrosodi-N-Propylamine	NS	NS	0.072 U	0.07 U	0.07 U
N-Nitrosodiphenylamine	NS	NS	0.18 U	0.18 U	0.18 U
Pentachlorophenol	0.800	6.70	0.14 UJ	0.14 UJ	0.14 UJ
Phenanthrene	100	100	0.036 U	0.035 U	0.035 U
Phenol	0.330	100	0.072 U	0.07 U	0.07 U
Pyrene	100	100	0.036 U	0.035 U	0.035 U

Table 8c
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Imported Soil Sample Analytical Results
Pesticides

		AKRF Sample ID	ISP-1_20190617	ISP-X_20190617	ISP-2_20190617
		Laboratory Sample ID	JC90028-6	JC90028-8	JC90028-7
		Date Sampled	6/17/2019 12:45:00 PM	6/17/2019 12:00:00 PM	6/17/2019 1:00:00 PM
		Dilution Factor	1	1	1
		Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
Aldrin	0.00500	0.0970	0.00072 U	0.0007 U	0.00069 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.0200	0.480	0.00072 U	0.0007 U	0.00069 U
Alpha Endosulfan	NS	NS	0.00072 U	0.0007 U	0.00069 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.0360	0.360	0.00072 U	0.0007 U	0.00069 U
Beta Endosulfan	NS	NS	0.00072 U	0.0007 U	0.00069 U
cis-Chlordane	0.0940	4.20	0.00072 U	0.0007 U	0.00069 U
Delta BHC (Delta Hexachlorocyclohexane)	0.0400	100	0.00072 U	0.0007 U	0.00069 U
Dieldrin	0.00500	0.200	0.00072 U	0.0007 U	0.00069 U
Endosulfan Sulfate	NS	NS	0.00072 U	0.0007 U	0.00069 U
Endrin	0.0140	11.0	0.00072 U	0.0007 U	0.00069 U
Endrin Aldehyde	NS	NS	0.00072 U	0.0007 U	0.00069 U
Endrin Ketone	NS	NS	0.00072 U	0.0007 U	0.00069 U
Gamma Bhc (Lindane)	0.100	1.30	0.00072 U	0.0007 U	0.00069 U
Heptachlor	0.0420	2.10	0.00072 U	0.0007 U	0.00069 U
Heptachlor Epoxide	NS	NS	0.00072 U	0.0007 U	0.00069 U
Methoxychlor	NS	NS	0.0014 U	0.0014 U	0.0014 U
P,P'-DDD	0.00330	13.0	0.00072 U	0.0007 U	0.00069 U
P,P'-DDE	0.00330	8.90	0.00072 U	0.0007 U	0.00069 U
P,P'-DDT	0.00330	7.90	0.00072 U	0.0007 U	0.00069 U
Toxaphene	NS	NS	0.018 U	0.017 U	0.017 U
trans-Chlordane	NS	NS	0.00072 U	0.0007 U	0.00069 U

Table 8d
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Imported Soil Sample Analytical Results
PCBs

		AKRF Sample ID	ISP-1_20190617		ISP-X_20190617		ISP-2_20190617	
		Laboratory Sample ID	JC90028-6		JC90028-8		JC90028-7	
		Date Sampled	6/17/2019 12:45:00 PM		6/17/2019 12:00:00 PM		6/17/2019 1:00:00 PM	
		Dilution Factor	1		1		1	
		Unit	mg/kg		mg/kg		mg/kg	
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc	Q	Conc	Q	Conc	Q
PCB-1016 (Aroclor 1016)	NS	NS	0.036	U	0.035	U	0.035	U
PCB-1221 (Aroclor 1221)	NS	NS	0.036	U	0.035	U	0.035	U
PCB-1232 (Aroclor 1232)	NS	NS	0.036	U	0.035	U	0.035	U
PCB-1242 (Aroclor 1242)	NS	NS	0.036	U	0.035	U	0.035	U
PCB-1248 (Aroclor 1248)	NS	NS	0.036	U	0.035	U	0.035	U
PCB-1254 (Aroclor 1254)	NS	NS	0.036	U	0.035	U	0.035	U
PCB-1260 (Aroclor 1260)	NS	NS	0.036	U	0.035	UJ	0.035	UJ
PCB-1262 (Aroclor 1262)	NS	NS	0.036	U	0.035	U	0.035	U
PCB-1268 (Aroclor 1268)	NS	NS	0.036	U	0.035	U	0.035	U
Total PCBs	0.100	1.00	0.036	U	0.035	U	0.035	U

Table 8e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, NY
Imported Soil Sample Analytical Results
Metals

		AKRF Sample ID	ISP-1_20190617	ISP-1_20190617	ISP-X_20190617
		Laboratory Sample ID	JC90028-6	JC90028-6	JC90028-8
		Date Sampled	6/17/2019 12:45:00 PM	6/17/2019 12:45:00 PM	6/17/2019 12:00:00 PM
		Dilution Factor	1	2	1
		Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	13600	NA	12800
Antimony	NS	NS	2.3 UJ	NA	2.2 U
Arsenic	13.0	16.0	NR	7.3 D	NR
Barium	350	400	28.3	NA	31.6
Beryllium	7.20	72.0	0.71	NA	0.65
Cadmium	2.50	4.30	0.57 U	NA	0.54 U
Calcium	NS	NS	12000	NA	10800.
Chromium, Hexavalent	**1.00**	110	0.43 UJ	NA	**1.1**
Chromium, Total	NS	NS	17.8	NA	16.5
Cobalt	NS	NS	11.1	NA	10.5
Copper	50.0	270	NR	31.2 D	NR
Cyanide	27.0	27.0	0.25 U	NA	0.23 U
Iron	NS	NS	NR	28800 D	NR
Lead	63.0	400	NR	12.6 D	NR
Magnesium	NS	NS	8120	NA	7410
Manganese	1600	2000	NR	624 JDK	NR
Mercury	0.180	0.810	0.034 U	NA	0.035 U
Nickel	30.0	310	26.2	NA	24.8
Potassium	NS	NS	1140	NA	1100 U
Selenium	3.90	180	NR	4.6 U	NR
Silver	2.00	180	NR	1.1 U	NR
Sodium	NS	NS	1100 U	NA	1100 U
Thallium	NS	NS	NR	2.3 U	NR
Vanadium	NS	NS	16.8	NA	16.8
Zinc	109	10000	76.3 J	NA	71.8

Table 8e
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, NY
Imported Soil Sample Analytical Results
Metals

		AKRF Sample ID	ISP-X_20190617	ISP-2_20190617	ISP-2_20190617
		Laboratory Sample ID	JC90028-8	JC90028-7	JC90028-7
		Date Sampled	6/17/2019 12:00:00 PM	6/17/2019 1:00:00 PM	6/17/2019 1:00:00 PM
		Dilution Factor	2	1	2
		Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
Aluminum	NS	NS	NA	12700	NA
Antimony	NS	NS	NA	2.1 U	NA
Arsenic	13.0	16.0	7.5 D		7.6 D
Barium	350	400	NA	32.5	NA
Beryllium	7.20	72.0	NA	0.68	NA
Cadmium	2.50	4.30	NA	0.52 U	NA
Calcium	NS	NS	NA	7750	NA
Chromium, Hexavalent	**1.00**	110	NA	**1.1**	NA
Chromium, Total	NS	NS	NA	16.5	NA
Cobalt	NS	NS	NA	11.3	NA
Copper	50.0	270	28.2 D	NR	31.1 D
Cyanide	27.0	27.0	NA	0.26 U	NA
Iron	NS	NS	25300 D	NR	27000 D
Lead	63.0	400	12.4 D	NR	13.6 D
Magnesium	NS	NS	NA	7800	NA
Manganese	1600	2000	583 D	NR	625 D
Mercury	0.180	0.810	NA	0.035 U	NA
Nickel	30.0	310	NA	25.1	NA
Potassium	NS	NS	NA	1040	NA
Selenium	3.90	180	4.3 U	NR	4.1 U
Silver	2.00	180	1.1 U	NR	1 U
Sodium	NS	NS	NA	1000 U	NA
Thallium	NS	NS	2.2 U	NR	2.1 U
Vanadium	NS	NS	NA	16.3	NA
Zinc	109	10000	NA	74.6	NA

Table 8f
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Imported Soil Sample Analytical Results
Emerging Contaminants

		AKRF Sample ID	ISP-1_20190703	ISP-X_20190703	ISP-2_20190703
		Laboratory Sample ID	L1929338-01	L1929338-03	L1929338-02
		Date Sampled	7/3/2019 9:55:00 AM	7/3/2019 10:25:00 AM	7/3/2019 10:40:00 AM
		Dilution Factor	1	1	1
		Unit	µg/kg	µg/kg	µg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	Conc Q	Conc Q	Conc Q
1,4-Dioxane (P-Dioxane)	100	13000	28 U	31 U	30 U
6:2 Fluorotelomer sulfonate	NS	NS	1.13 U	1.16 U	1.01 U
8:2 Fluorotelomer sulfonate	NS	NS	1.13 UJ	1.16 UJ	1.01 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	1.13 U	1.16 U	1.01 UJ
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	1.13 UJ	1.16 UJ	1.01 UJ
Perfluorobutanesulfonic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorobutanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorodecanesulfonic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorodecanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorododecanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluoroheptanesulfonic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluoroheptanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorohexanesulfonic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorohexanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorononanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorooctanesulfonic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorooctanoic acid	NS	NS	0.048 J	1.16 U	0.052 J
Perfluoropentanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorotetradecanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluorotridecanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluoroundecanoic acid	NS	NS	1.13 U	1.16 U	1.01 U
Perfluroroctanesulfonamide	NS	NS	1.13 U	1.16 U	1.01 U
TOTAL PFOA AND PFOS	NS	NS	0.048 J	1.16 U	0.052 J

Table 8a-8f
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Imported Soil Sample Analytical Results
Notes

GENERAL

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of Part 375 Unrestricted Soil Cleanup Objectives (UUSCOs) are highlighted in bold font.
Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs) are highlighted in gray.

DEFINITIONS

D : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.

J : The reported value is estimated.

K : Reported concentration value is proportional to dilution factor and may be exagerated.

U : Indicates that the compound was analyzed for, but not detected.

NA : Not analyzed

NR : Not reported

NS : No standard

mg/kg : milligrams per kilogram = parts per million (ppm)

µg/kg : micrograms per kilogram = parts per billion (ppb)

Table 9
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Incoming Materials Tracking Log

AKRF, Inc.

Incoming Materials Tracking Log

Environmental Consultants

Project: 3500 Park Avenue
AKRF Job No: 12477

Date	Site Location	Source	Ticket Number	Notes	Total Cubic Yards	Net Tonnage
6/22/2018	Grid A1/B1	BrAen Stone	173007	Truck Pad for temporary construction entrance	17.46	24.44
8/6/2018	Grid C1	BrAen Stone	179412	Truck Pad for temporary construction entrance	17.09	23.92
8/28/2018	Grids A1/B1/A2	T.M. Maintenance	13662	Estimated yardage	20	28
		T.M. Maintenance	13663	Estimated yardage	20	28
		T.M. Maintenance	13664	Estimated yardage	20	28
		T.M. Maintenance	13666	Estimated yardage	20	28
		T.M. Maintenance	13670	Estimated yardage	20	28
		T.M. Maintenance	13672	Estimated yardage	20	28
8/29/2018	Grids A1/B1/A2	T.M. Maintenance	13673	Estimated yardage	20	28
		T.M. Maintenance	13674	Estimated yardage	20	28
		T.M. Maintenance	13675	Estimated yardage	20	28
		T.M. Maintenance	13676	Estimated yardage	20	28
		T.M. Maintenance	13678	Estimated yardage	20	28
9/13/2018	Grid C1	BrAen Stone	185519	Truck Pad for temporary construction entrance	17.87	25.02
9/21/2018	Grids A1/B1/A2	T.M. Maintenance	13691	Estimated yardage	20	28
		T.M. Maintenance	295840	Estimated yardage	20	28
		T.M. Maintenance	13692	Estimated yardage	20	28
9/24/2018	Grids A1/B1/A2	T.M. Maintenance	13696	Estimated yardage	20	28
		T.M. Maintenance	13697	Estimated yardage	20	28
		T.M. Maintenance	13698	Estimated yardage	20	28
		T.M. Maintenance	13699	Estimated yardage	20	28
		T.M. Maintenance	13670	Estimated yardage	20	28
10/22/2018	Grids B1/B2/C1/C2	T.M. Maintenance	14039	Used as RCA beneath step footings	20	28
10/23/2018	Grid C1	BrAen Stone	192877	Truck Pad for temporary construction entrance	18.03	25.24
11/30/2018	Grid C1	T.M. Maintenance	665	Trucking ticket no listed yardage	20	28
11/30/2018	Grid C1	T.M. Maintenance	14201	Estimated yardage	20	28
12/18/2018	Grids A1/A2	T.M. Maintenance	14224	Foundation wall backfill in Grids A1 and A2	0	0
12/18/2018	Grids A1/A2	T.M. Maintenance	14225	Foundation wall backfill in Grids A1 and A2	0	0
1/3/2019	Grid B1	BrAen Stone	199990	Off-site backfill for sidewalk along 168th St.	17.81	24.93
1/11/2019	Grids B2/C2	BrAen Stone	200658	Base for detention tanks	17.68	24.75
1/24/2019	Grids A1/B1	BrAen Stone	201341	Off-site backfill for sidewalk along 168th St.	13.81	19.34

Table 9
3500 Park Avenue Apartments
3500 Park Avenue
Bronx, New York
Incoming Materials Tracking Log

AKRF, Inc.

Incoming Materials Tracking Log

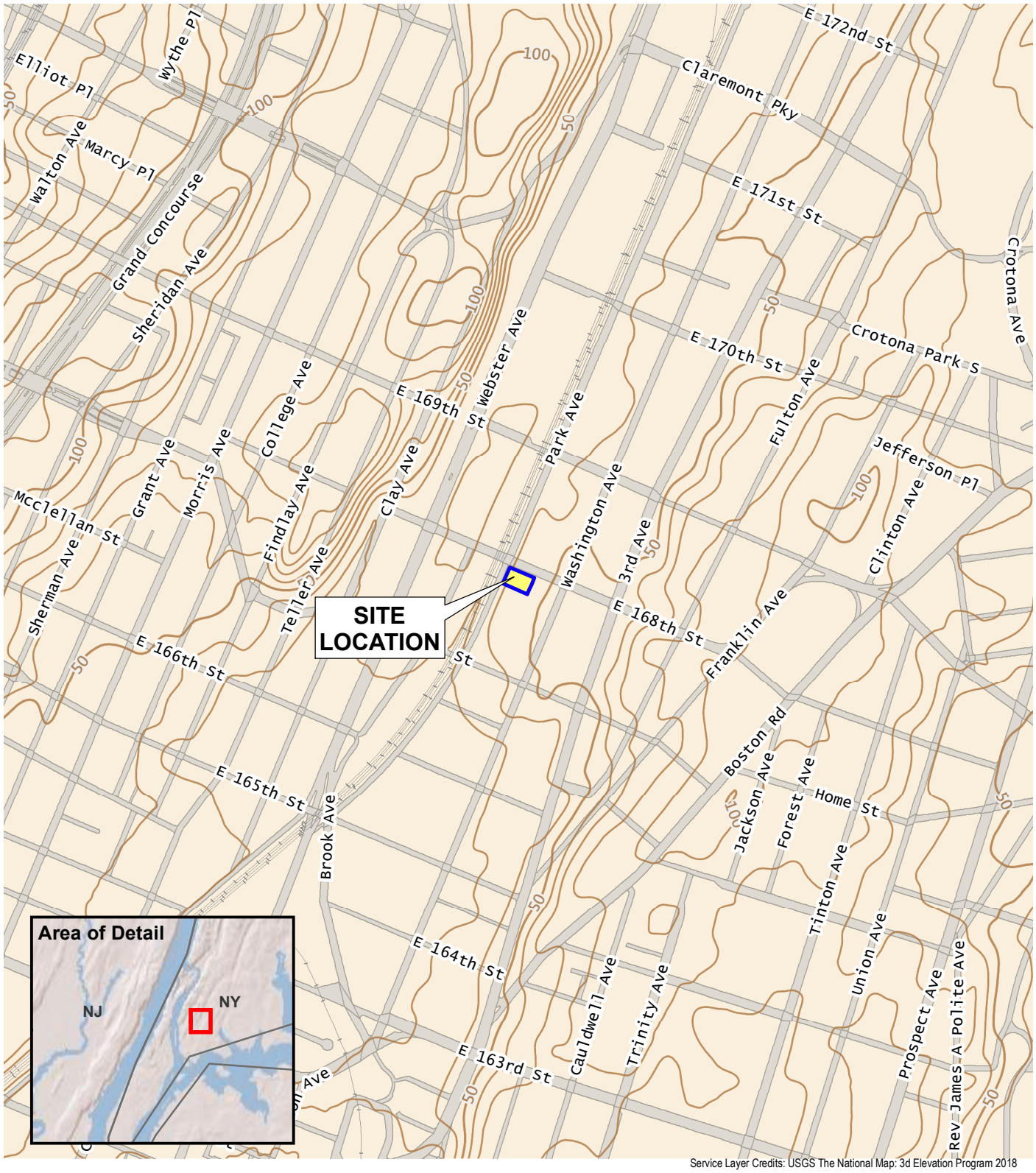
Environmental Consultants

Project: 3500 Park Avenue
AKRF Job No: 12477

Date	Site Location	Source	Ticket Number	Notes	Total Cubic Yards	Net Tonnage
1/28/2019	Grid C1	T.M. Maintenance	14241	Used as RCA beneath step footings	20.00	28
1/30/2019	Grid C1	T.M. Maintenance		Used as RCA beneath step footings	20.00	28
1/30/2019	Grid C1	T.M. Maintenance		Used as RCA beneath step footings	20.00	28
3/11/2019	Grids A1/A2	BrAen Stone	204421	Foundation wall backfill	17.99	25.19
3/11/2019	Grids A1/A2	BrAen Stone	204508	Foundation wall backfill	17.59	24.63
3/11/2019	Grids A1/A2	BrAen Stone	204396	Foundation wall backfill	18.07	25.3
4/9/2019	Grids B2/C2	BrAen Stone	29263	backfill	18.29	25.6
4/9/2019	Grids B2/C2	BrAen Stone	209278	backfill	18.41	25.78
4/9/2019	Grids B2/C2	BrAen Stone	209277	backfill	18.41	25.77
4/10/2019	Grids B2/C2	BrAen Stone	209445	backfill	18.11	25.36
4/10/2019	Grids B2/C2	BrAen Stone	209449	backfill	17.09	23.92
5/7/2019	Grids B2/C2	BrAen Stone	214830	backfill	17.89	25.05
5/22/2019	Grids B2/C2	BrAen Stone	217640	backfill	17.74	24.84
5/22/2019	Grids B2/C2	BrAen Stone	217668	backfill	17.82	24.95
5/29/2019	Grids B2/C2	BrAen Stone	218616	backfill	18.04	25.26
5/29/2019	Grids B2/C2	BrAen Stone	218756	backfill	18.33	25.66
6/3/2019	Grids B2/C2	BrAen Stone	219527	backfill	18.23	25.52
6/10/2019	Grids B2/C2	BrAen Stone	221212	backfill	17.54	24.56
6/10/2019	Grids B2/C2	BrAen Stone	221362	backfill	18.13	25.38
6/20/2019	Grids B2/C2	BrAen Stone	223595	backfill	18.11	25.35
6/20/2019	Grids B2/C2	BrAen Stone	223601	backfill	18.41	25.77
8/30/2019	Grids B2/C2	284 Aggregates, LLC	8804	Clean Fill	18.60	26.04
9/3/2019	Grids B2/C2	284 Aggregates, LLC	8830	Clean Fill	17.96	25.15
9/3/2019	Grids B2/C2	284 Aggregates, LLC	8832	Clean Fill	17.16	24.03
9/3/2019	Grids B2/C2	284 Aggregates, LLC	8859	Clean Fill	17.98	25.17
9/4/2019	Grids B2/C2	284 Aggregates, LLC	8873	Clean Fill	17.56	24.59
9/4/2019	Grids B2/C2	284 Aggregates, LLC	8895	Clean Fill	18.64	26.1
9/5/2019	Grids B2/C2	284 Aggregates, LLC	8919	Clean Fill	18.31	25.64
9/9/2019	Grids B2/C2	284 Aggregates, LLC	9052	Clean Fill	17.72	24.81
9/11/2019	Grids B2/C2	284 Aggregates, LLC	9088	Clean Fill	17.99	25.18
9/11/2019	Grids B2/C2	284 Aggregates, LLC	9096	Clean Fill	17.66	24.72

Transfer Facility	Total Loads	Total Volume (CY)	Total Weight (tons)
BrAen Stone, Inc. - Sparta, NJ Facility	25	443.95	621.53
284 Aggregates, LLC - Sussex, NJ Facility	10	179.59	225.39
T.M. Maintenance - Staten Island, NY Facility	27	500.00	700.00
TOTAL	**62**	**1,123.54**	**1,546.92**

FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program 2018

0 800 1,600

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

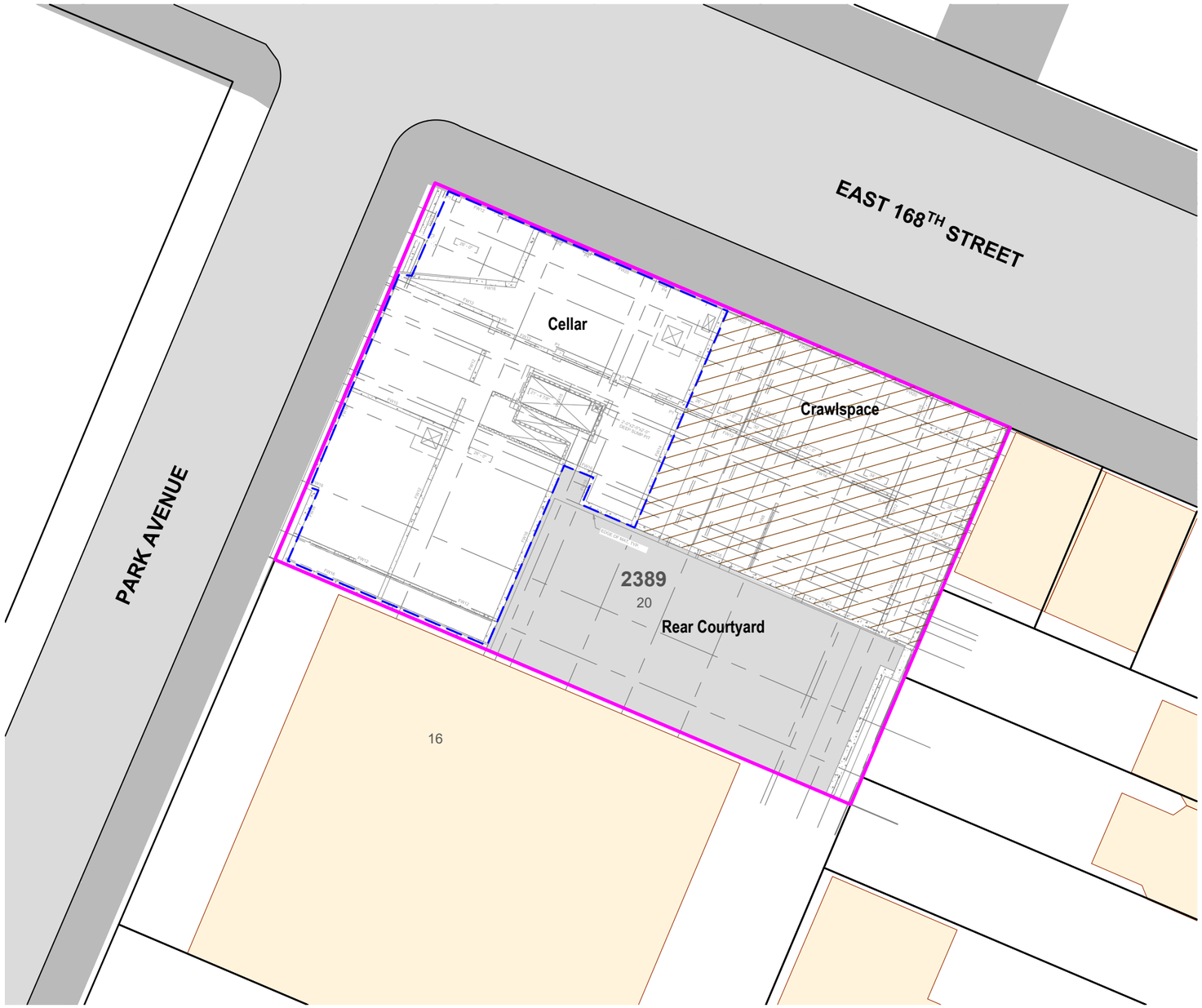
3500 Park Avenue
Bronx, New York

SITE LOCATION

DATE
9/4/2019

PROJECT NO.
12477

FIGURE
1



LEGEND

- PROJECT SITE LOCATION
- CELLAR FOOTPRINT
- CRAWLSPACE
- REAR COURTYARD
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — TAX BLOCK NUMBER
- OFFSITE BUILDING

Map Sources:
1. NYCDCP (NYC Dept. of City Planning) GIS database.
2. Edelman Sultan Knox Wood / Architects, LLP "Cellar Floor/Mat Foundation Plan", Dated MArch 12, 2018.

0 15 30 60
SCALE IN FEET

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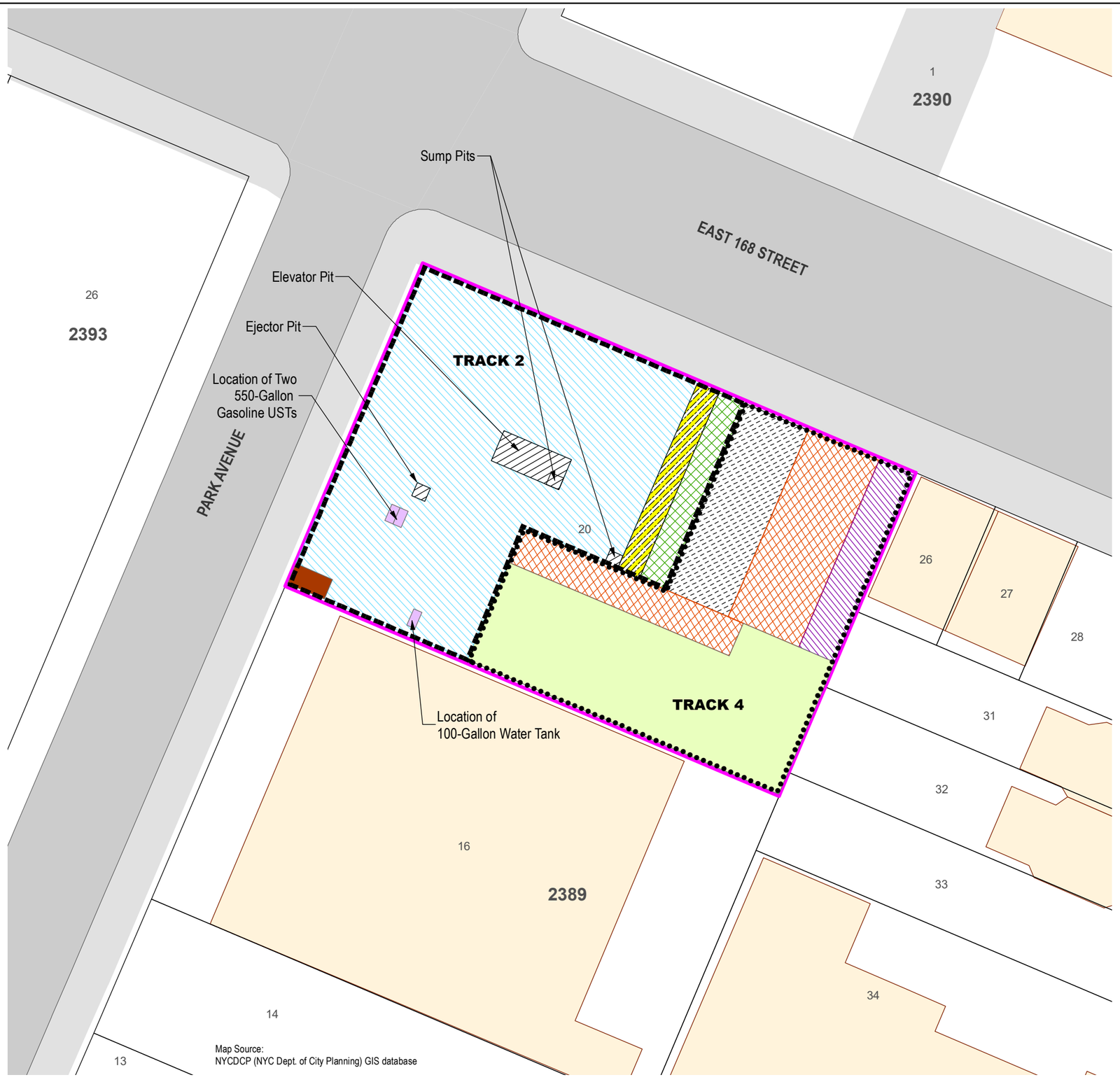
3500 Park Avenue
Bronx, New York

SITE PLAN

DATE
9/4/2019

PROJECT NO.
12477

FIGURE
2



LEGEND

- PROJECT SITE LOCATION
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — BLOCK NUMBER
- OFFSITE BUILDING FOOTPRINT
- EXCAVATION TO 20' TO 22' BELOW GRADE
- EXCAVATION TO 16' BELOW GRADE
- EXCAVATION TO 15' BELOW GRADE
- EXCAVATION TO 11' BELOW GRADE
- EXCAVATION TO 9' BELOW GRADE
- EXCAVATION TO 7' BELOW GRADE
- EXCAVATION TO 5' BELOW GRADE
- EXCAVATION TO 3' BELOW GRADE
- EXCAVATION TO 2' BELOW GRADE
- UNDERGROUND STORAGE TANK (UST) LOCATION
- EXTENT OF TRACK 2
- EXTENT OF TRACK 4

0 15 30 60

SCALE IN FEET

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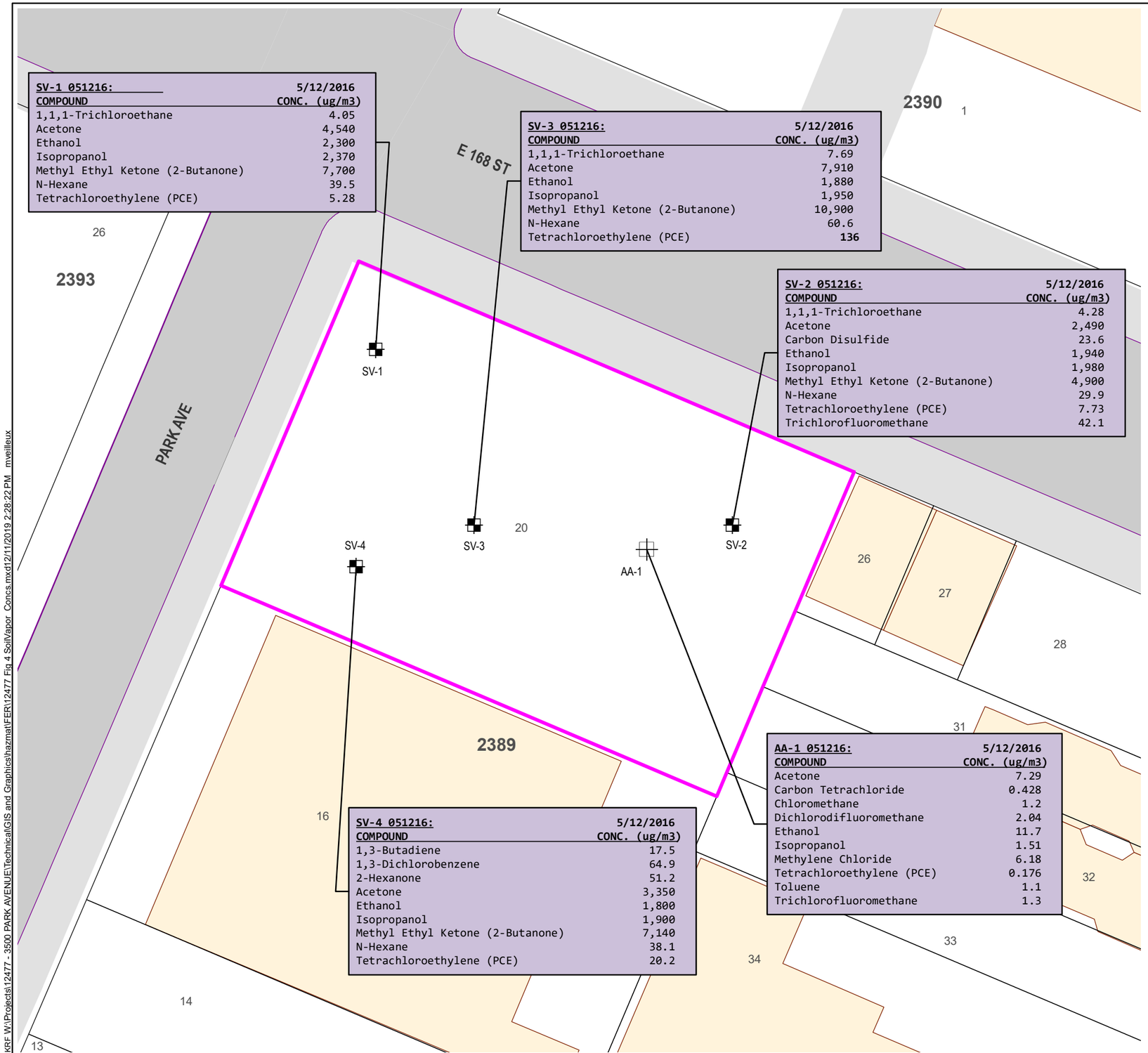
Bronx, New York

DUAL TRACK 2 / TRACK 4 CLEANUP BOUNDARIES

DATE
12/9/2019

PROJECT NO.
12477

FIGURE
3



SV-1 051216:	5/12/2016
COMPOUND	CONC. (ug/m3)
1,1,1-Trichloroethane	4.05
Acetone	4,540
Ethanol	2,300
Isopropanol	2,370
Methyl Ethyl Ketone (2-Butanone)	7,700
N-Hexane	39.5
Tetrachloroethylene (PCE)	5.28

SV-3 051216:	5/12/2016
COMPOUND	CONC. (ug/m3)
1,1,1-Trichloroethane	7.69
Acetone	7,910
Ethanol	1,880
Isopropanol	1,950
Methyl Ethyl Ketone (2-Butanone)	10,900
N-Hexane	60.6
Tetrachloroethylene (PCE)	**136**

SV-2 051216:	5/12/2016
COMPOUND	CONC. (ug/m3)
1,1,1-Trichloroethane	4.28
Acetone	2,490
Carbon Disulfide	23.6
Ethanol	1,940
Isopropanol	1,980
Methyl Ethyl Ketone (2-Butanone)	4,900
N-Hexane	29.9
Tetrachloroethylene (PCE)	7.73
Trichlorofluoromethane	42.1

SV-4 051216:	5/12/2016
COMPOUND	CONC. (ug/m3)
1,3-Butadiene	17.5
1,3-Dichlorobenzene	64.9
2-Hexanone	51.2
Acetone	3,350
Ethanol	1,800
Isopropanol	1,900
Methyl Ethyl Ketone (2-Butanone)	7,140
N-Hexane	38.1
Tetrachloroethylene (PCE)	20.2

AA-1 051216:	5/12/2016
COMPOUND	CONC. (ug/m3)
Acetone	7.29
Carbon Tetrachloride	0.428
Chloromethane	1.2
Dichlorodifluoromethane	2.04
Ethanol	11.7
Isopropanol	1.51
Methylene Chloride	6.18
Tetrachloroethylene (PCE)	0.176
Toluene	1.1
Trichlorofluoromethane	1.3

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

LEGEND

- PROJECT SITE LOCATION
- REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (MAY 2016)
- REMEDIAL INVESTIGATION AMBIENT AIR SAMPLE LOCATION (MAY 2016)
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — BLOCK NUMBER
- OFFSITE BUILDING FOOTPRINT

SOIL VAPOR

NYSDOH Soil Vapor Intrusion Value:
NYSDOH Soil Vapor Intrusion Matrix Values presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006, updated May 2017.

µg/m³- micrograms per cubic meter

Exceedances of NYSDOH Soil Vapor Intrusion Air Guidance Values are shown in bold font.

Sample ID — Sample Date

SV-2 051216:	5/12/2016
COMPOUND	CONC. (ug/m3)
1,1,1-Trichloroethane	4.28
Acetone	2,490
Carbon Disulfide	23.6
Ethanol	1,940
Isopropanol	1,980
Methyl Ethyl Ketone (2-Butanone)	4,900
N-Hexane	29.9
Tetrachloroethylene (PCE)	7.73
Trichlorofluoromethane	42.1

Compound in Soil Vapor — Concentration in Soil Vapor

0 15 30 60
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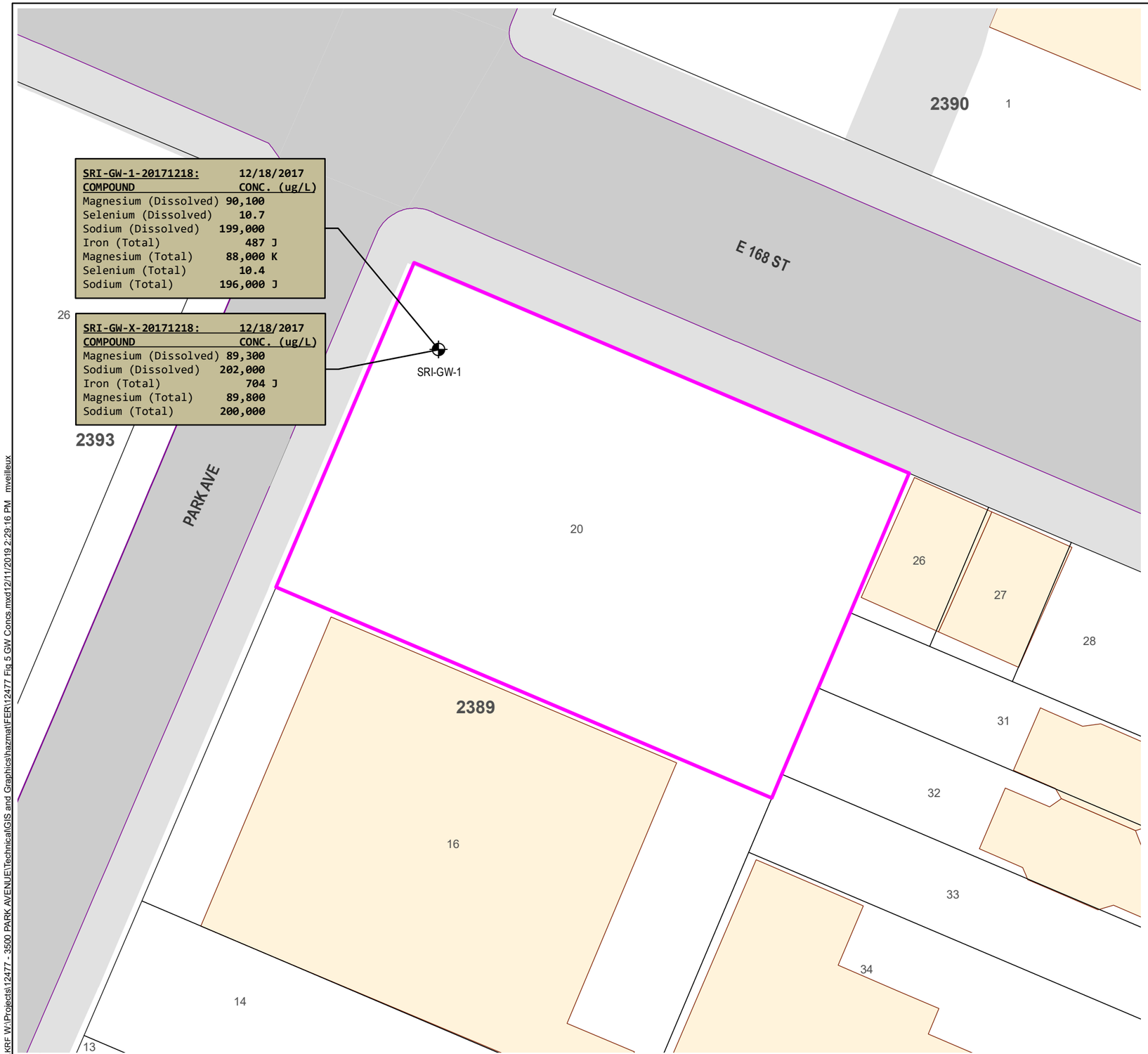
RI SOIL VAPOR SAMPLE CONCENTRATIONS

DATE
12/11/2019

PROJECT NO.
12477

FIGURE
4



Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

LEGEND

- PROJECT SITE LOCATION
- SUPPLEMENTAL REMEDIAL INVESTIGATION GROUNDWATER MONITORING WELL LOCATION (DECEMBER 2017)
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — BLOCK NUMBER
- OFFSITE BUILDING FOOTPRINT

	NYSDEC AWQSGVs µg/L
Metals	
Iron	300
Magnesium	35,000
Selenium	10
Sodium	20,000

GROUNDWATER

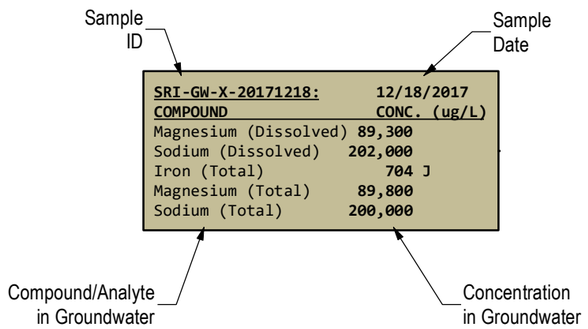
NYSDEC TOGS Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs):
New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (1.1.1):

ug/L : micrograms per Liter = parts per billion (ppb)

J: The concentration given is an estimated value.
K: Reported concentration value is proportional to dilution factor and may be exaggerated

Exceedances of NYSDEC AWQSGVs are shown in bold font.

SRI-GW-X-20171218 is a blind duplicate of SRI-GW-1-20171218.



0 15 30 60
SCALE IN FEET

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SRI GROUNDWATER SAMPLE CONCENTRATIONS ABOVE NYSDEC TOGS

DATE
12/11/2019

PROJECT NO.
12477

FIGURE
5

LEGEND

- PROJECT SITE LOCATION
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — TAX BLOCK NUMBER
- OFFSITE BUILDING
- ALPHANUMERIC GRID
- FIXED AIR MONITORING STATION (EXACT LOCATION VARIED BASED ON WIND DIRECTION, SITE ACTIVITY, AND ACCESS TO STATION.)

0 15 30 60

SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database.

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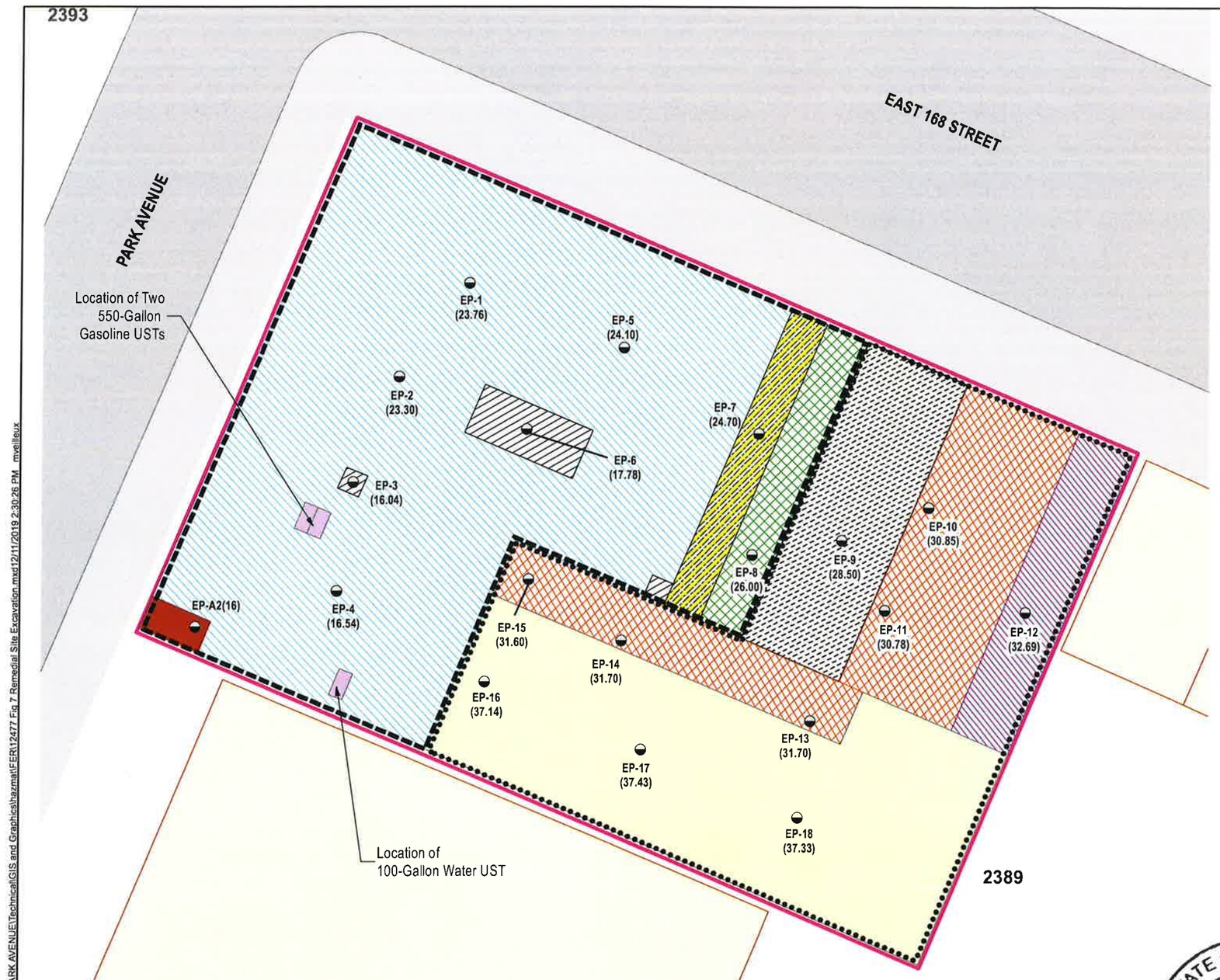
Bronx, New York

CAMP MONITORING STATIONS

DATE
12/11/2019

PROJECT NO.
12477

FIGURE
6



LEGEND

- PROJECT SITE LOCATION
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — BLOCK NUMBER
- OFFSITE BUILDING FOOTPRINT
- EXCAVATION ENDPOINT SAMPLE LOCATION
- EXCAVATION TO 20' TO 22' BELOW GRADE
- EXCAVATION TO 16' BELOW GRADE
- EXCAVATION TO 15' BELOW GRADE
- EXCAVATION TO 11' BELOW GRADE
- EXCAVATION TO 9' BELOW GRADE
- EXCAVATION TO 7' BELOW GRADE
- EXCAVATION TO 5' BELOW GRADE
- EXCAVATION TO 3' BELOW GRADE
- EXCAVATION TO 2' BELOW GRADE
- UNDERGROUND STORAGE TANK (UST) LOCATION
- EXTENT OF TRACK 2
- EXTENT OF TRACK 4
- (23.76) — EXCAVATION DEPTH ELEVATION

NOTES:

1. ELEVATIONS AND LOCATIONS SURVEYED BY EMPIRE STATE LAYOUT, INC. BLOCK 2389 LOT 20, JUNE 2019.

2. ALL ELEVATIONS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM (NAVD 1988).

STATE OF NEW YORK
MICHELLE LAPIN
No. 077934-1
LICENSED PROFESSIONAL ENGINEER

0 10 20 40
SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

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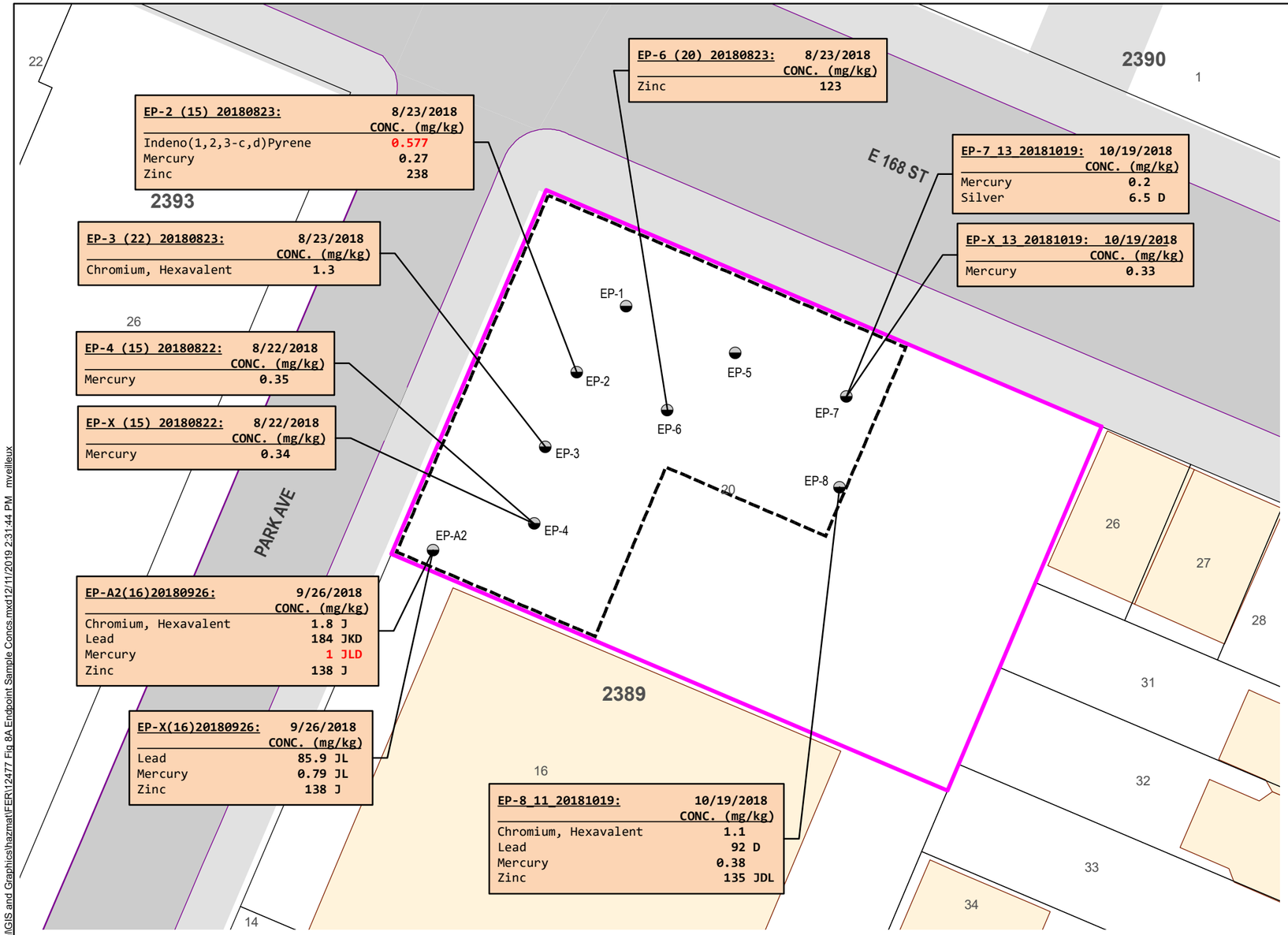
REMEDIAL SITE EXCAVATION PLAN

DATE
12/11/2019

PROJECT NO.
12477

FIGURE
7



LEGEND

- PROJECT SITE LOCATION
- EXCAVATION ENDPOINT SAMPLE LOCATION
- 20 LOT BOUNDARY AND TAX LOT NUMBER
- 2389 BLOCK NUMBER
- OFFSITE BUILDING FOOTPRINT
- EXTENT OF TRACK 2 AREA

SOIL

Part 375 Soil Cleanup Objectives:
Soil Clean-up Objectives listed in NYSDEC
(New York State Department of Environmental Conservation)
"Part 375" Regulations (6 NYCRR Part 375).

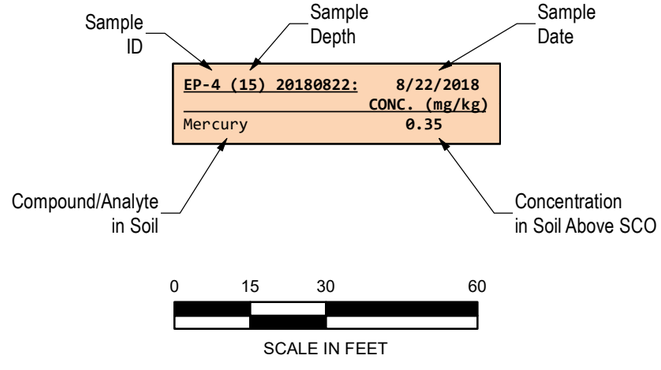
Exceedances of Part 375 Unrestricted Use SCOs (UUSCOS) are highlighted in black.
Exceedances of Part 375 Restricted Residential SCOs (RRSCOS) are highlighted in red.

mg/kg:milligrams per kilogram = parts per million (ppm)

K: Reported concentration value is proportional to dilution factor and may be exaggerated
J: The reported value is estimated
D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
L: Sample result is estimated and biased low.

EP-X(15) 20180822 is a blind duplicate of EP-4(15)20180822.
EP-X(16)20180926 is a blind duplicate of EP-A2(16)20180926.
EP-X_13_20181019 is a blind duplicate of EP-7_13_20181019.

	Part 375 Restricted Residential mg/kg	Part 375 Unrestricted mg/kg
Semivolatile Organic Compounds		
Indeno(1,2,3-c,d)Pyrene	0.5	0.5
Metals		
Chromium, Hexavalent	110	1
Lead	400	63
Mercury	0.81	0.18
Silver	180	2
Zinc	10000	109



Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

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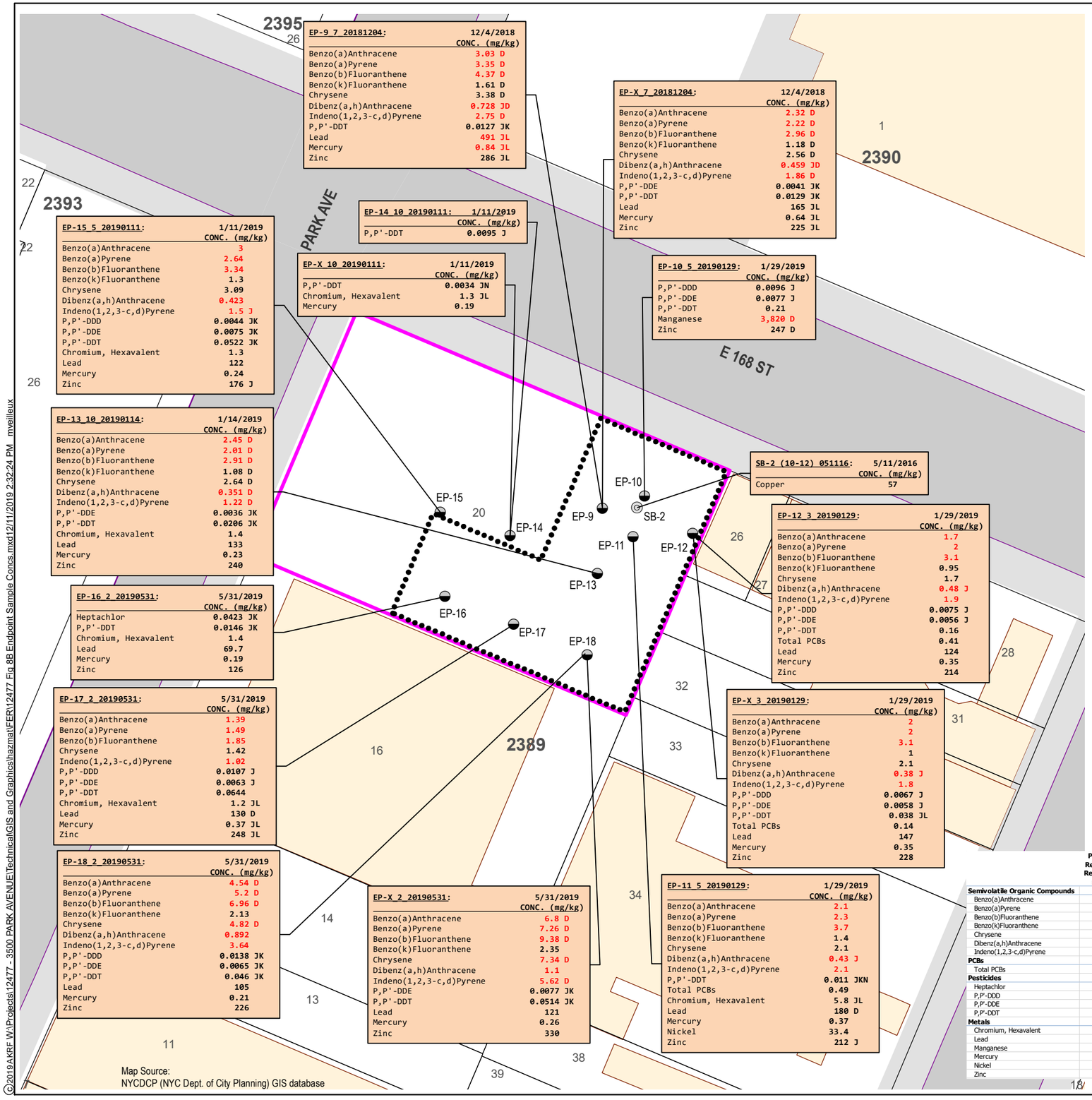
Bronx, New York

REMAINING CONTAMINATION ABOVE NYSDEC UUSCOs AND/OR RRSCOs IN TRACK 2 AREA

DATE
12/11/2019

PROJECT NO.
12477

FIGURE
8A



LEGEND

- PROJECT SITE LOCATION
- EXCAVATION ENDPOINT SAMPLE LOCATION
- REMEDIAL INVESTIGATION SOIL BORING (MAY 2016)
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — BLOCK NUMBER
- OFFSITE BUILDING FOOTPRINT
- EXTENT OF TRACK 4

SOIL

Part 375 Soil Cleanup Objectives:
Soil Clean-up Objectives listed in NYSDEC
(New York State Department of Environmental Conservation)
"Part 375" Regulations (6 NYCRR Part 375).

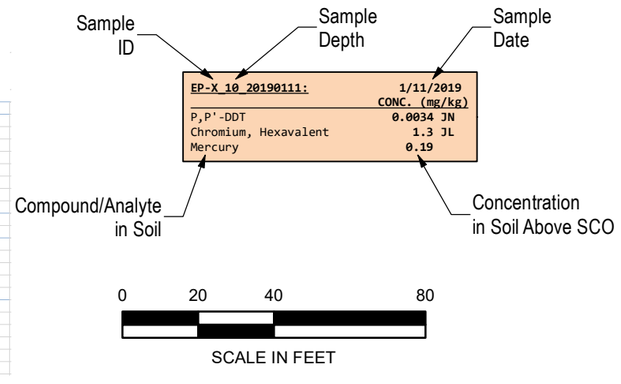
Exceedances of Part 375 Unrestricted Use SCOs (UUSCOS) are highlighted in black.
Exceedances of Part 375 Restricted Residential SCOs (RRSCOS) are highlighted in red.

mg/kg:milligrams per kilogram = parts per million (ppm)

K: Reported concentration value is proportional to dilution factor and may be exaggerated
J: The reported value is estimated
D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
L: Sample result is estimated and biased low.
N: Indicates presumptive evidence of a compound. This flag is usually used for a tentatively identified compound, where the identification is based on a mass spectral library search.

EP-X_3_20190129 is a blind duplicate of EP-12_3_20190129.
EP-X_7_20181204 is a blind duplicate of EP-9_7_20181204.
EP-X_10_20190111 is a blind duplicate of EP-14_10_20190111.
EP-X_2_20190531 is a blind duplicate of EP-18_2_20190531.

	Part 375 Restricted Residential mg/kg	Part 375 Unrestricted mg/kg
Semivolatile Organic Compounds		
Benzo(a)Anthracene	1	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	1	1
Benzo(k)Fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenz(a,h)Anthracene	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	0.5	0.5
PCBs		
Total PCBs	1	0.1
Pesticides		
Heptachlor	2.1	0.042
P,P'-DDD	13	0.0033
P,P'-DDE	8.9	0.0033
P,P'-DDT	7.9	0.0033
Metals		
Chromium, Hexavalent	110	1
Lead	400	63
Manganese	2000	1600
Mercury	0.81	0.18
Nickel	310	30
Zinc	10000	109



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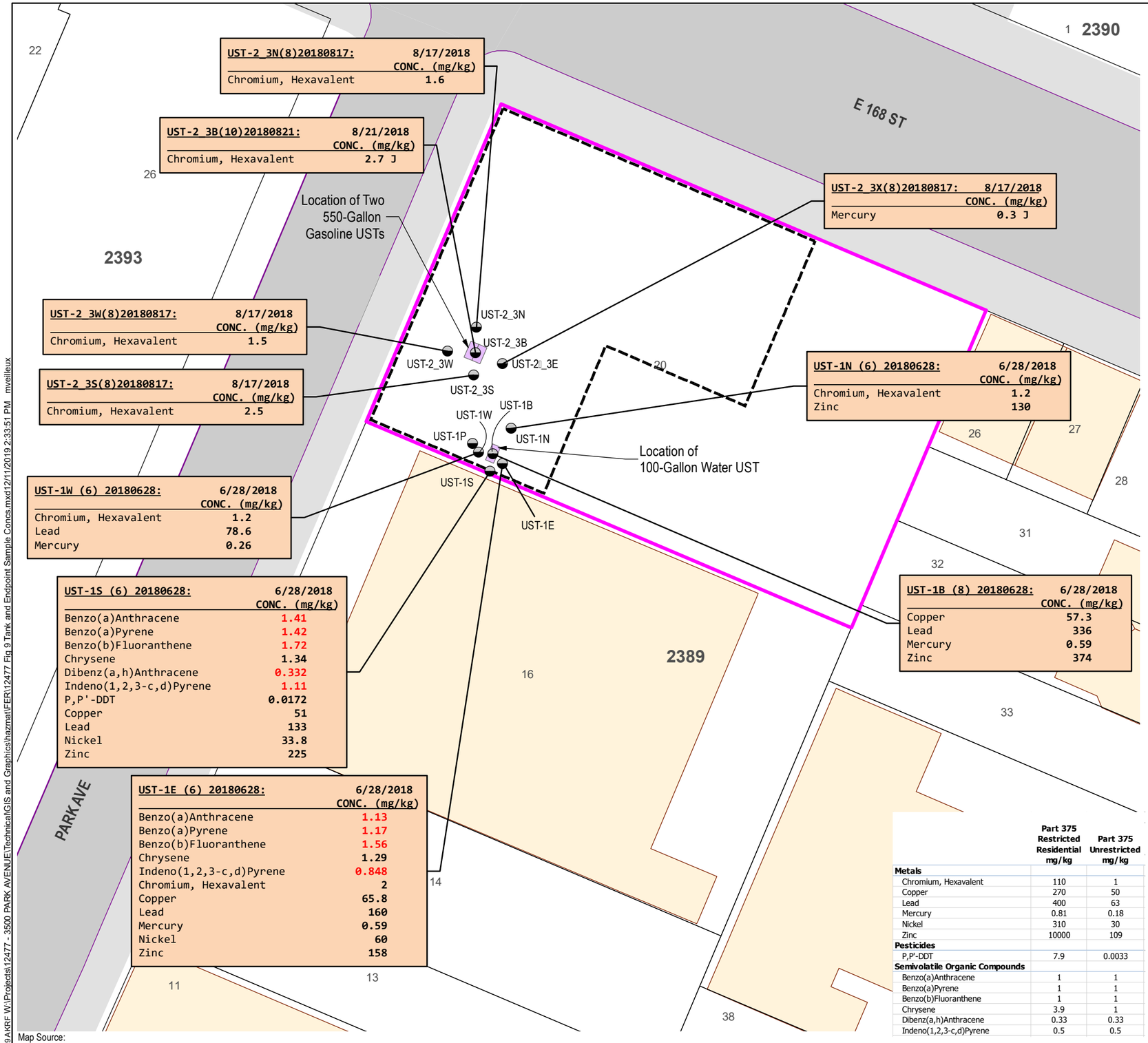
REMAINING CONTAMINATION ABOVE NYSDEC UUSCOs AND/OR RRSCOs IN TRACK 4 AREA

3500 Park Avenue
Bronx, New York

DATE
12/11/2019

PROJECT NO.
12477

FIGURE
8B



UST-2_3N(8)20180817: 8/17/2018

	CONC. (mg/kg)
Chromium, Hexavalent	1.6

UST-2_3B(10)20180821: 8/21/2018

	CONC. (mg/kg)
Chromium, Hexavalent	2.7 J

UST-2_3X(8)20180817: 8/17/2018

	CONC. (mg/kg)
Mercury	0.3 J

UST-2_3W(8)20180817: 8/17/2018

	CONC. (mg/kg)
Chromium, Hexavalent	1.5

UST-2_3S(8)20180817: 8/17/2018

	CONC. (mg/kg)
Chromium, Hexavalent	2.5

UST-1N (6) 20180628: 6/28/2018

	CONC. (mg/kg)
Chromium, Hexavalent	1.2
Zinc	130

UST-1W (6) 20180628: 6/28/2018

	CONC. (mg/kg)
Chromium, Hexavalent	1.2
Lead	78.6
Mercury	0.26

UST-1S (6) 20180628: 6/28/2018

	CONC. (mg/kg)
Benzo(a)Anthracene	1.41
Benzo(a)Pyrene	1.42
Benzo(b)Fluoranthene	1.72
Chrysene	1.34
Dibenz(a,h)Anthracene	0.332
Indeno(1,2,3-c,d)Pyrene	1.11
P,P'-DDT	0.0172
Copper	51
Lead	133
Nickel	33.8
Zinc	225

UST-1B (8) 20180628: 6/28/2018

	CONC. (mg/kg)
Copper	57.3
Lead	336
Mercury	0.59
Zinc	374

UST-1E (6) 20180628: 6/28/2018

	CONC. (mg/kg)
Benzo(a)Anthracene	1.13
Benzo(a)Pyrene	1.17
Benzo(b)Fluoranthene	1.56
Chrysene	1.29
Indeno(1,2,3-c,d)Pyrene	0.848
Chromium, Hexavalent	2
Copper	65.8
Lead	160
Mercury	0.59
Nickel	60
Zinc	158

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

LEGEND

- PROJECT SITE LOCATION
- TANK ENDPOINT SAMPLE LOCATION
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — BLOCK NUMBER
- OFFSITE BUILDING FOOTPRINT
- EXTENT OF TRACK 2 AREA
- UNDERGROUND STORAGE TANK (UST) LOCATION

SOIL

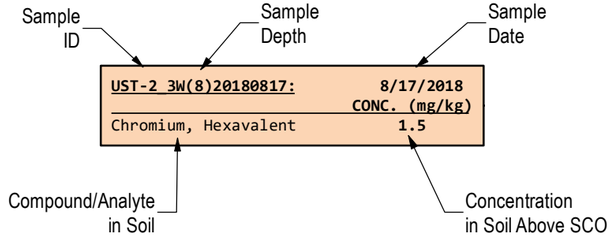
Part 375 Soil Cleanup Objectives:
Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of Part 375 Unrestricted Use SCOs (UUSCOS) are highlighted in black.
Exceedances of Part 375 Restricted Residential SCOs (RRSCOS) are highlighted in red.

mg/kg:milligrams per kilogram = parts per million (ppm)

J: The reported value is estimated

	Part 375 Restricted Residential mg/kg	Part 375 Unrestricted mg/kg
Metals		
Chromium, Hexavalent	110	1
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10000	109
Pesticides		
P,P'-DDT	7.9	0.0033
Semivolatile Organic Compounds		
Benzo(a)Anthracene	1	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	1	1
Chrysene	3.9	1
Dibenz(a,h)Anthracene	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	0.5	0.5



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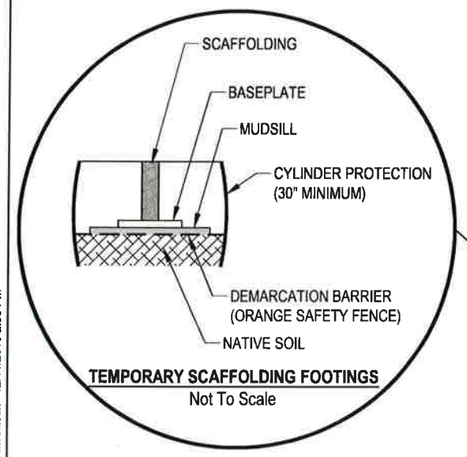
TANK AND SPILL ENDPOINT SAMPLE CONCENTRATIONS ABOVE NYSDEC UUSCOs AND/OR RRSCOs

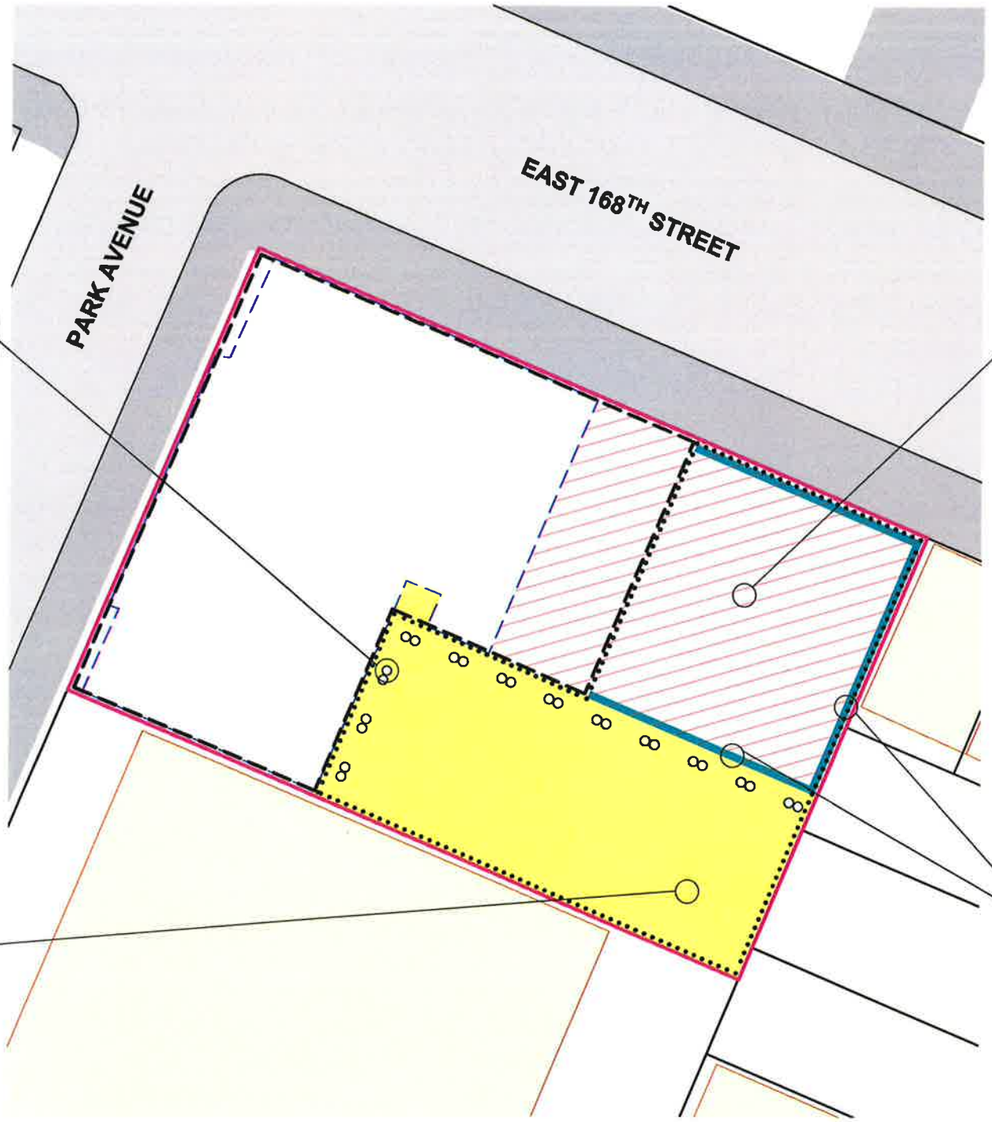
DATE
12/11/2019

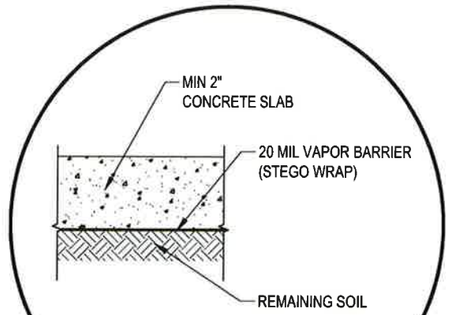
PROJECT NO.
12477

FIGURE
9



TEMPORARY SCAFFOLDING FOOTINGS
Not To Scale

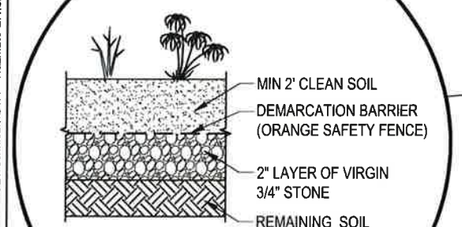




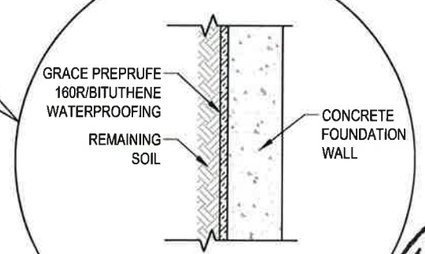
TYPICAL BUILDING SLAB
Not To Scale

LEGEND

- PROJECT SITE LOCATION
- NEW BUILDING CELLAR FOOTPRINT
- FOUNDATION WALL
- CRAWLSPACE
- REAR COURTYARD
- EXTENT OF TRACK 2
- EXTENT OF TRACK 4



LANDSCAPED AREAS/PLANTING BEDS
Not To Scale



FOUNDATION WALLS
Not To Scale

0 15 30 60
SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database.

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3500 Park Avenue
Bronx, New York

SITE COVER SYSTEM PLAN

DATE
12/11/2019

PROJECT NO.
12477

FIGURE
10

APPENDIX A

ENVIRONMENTAL EASEMENT AND METES AND BOUNDS DESCRIPTION

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

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2019102200439001001ED291

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 12**

Document ID: 2019102200439001 Document Date: 10-02-2019 Preparation Date: 10-22-2019
Document Type: EASEMENT
Document Page Count: 10

PRESENTER:
BENCHMARK TITLE (PICK UP BY GAIL)
222 BLOOMINGDALE ROAD
WHITE PLAINS, NY 10605
914-250-2425
LPEJRIL@BENCHMARKTA.COM brs1206781

RETURN TO:
BENCHMARK TITLE (PICK UP BY GAIL)
KAREN SHERMAN, ESQ./SHERMAN LAW
1140 BROADWAY, SUITE 904
NEW YORK, NY 10001

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BRONX	2389	20	Entire Lot	3500 PARK AVENUE

Property Type: APARTMENT BUILDING Easement

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
3500 PARK APTS. HOUSING DEV FUND COMPANY INC.
THE BRIDGE, 248 W 108TH ST
NEW YORK, NY 10025-2956

☒ Additional Parties Listed on Continuation Page

GRANTEE/BUYER:
COMMISSIONER OF DEPT OF ENVIRONMENTAL CONSERVATION
625 BROADWAY
ALBANY, NY 12233

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	87.00
Affidavit Fee:	$	0.00

Filing Fee:	$	100.00
NYC Real Property Transfer Tax:	$	0.00
NYS Real Estate Transfer Tax:	$	0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 10-29-2019 10:25
City Register File No.(CRFN): **2019000351990**

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2019102200439001001CD011

Document ID: 2019102200439001 Document Date: 10-02-2019 Preparation Date: 10-22-2019
Document Type: EASEMENT

PARTIES

GRANTOR/SELLER:
3500 PARK APTS. L.P.
290 LENOX AVENUE 3RD FLOOR
NEW YORK, NY 10027

BCS120678/

2389-20
Bronx

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this as of 2nd day of October, 2019, between Owner(s) 3500 Park Apts. Housing Development Fund Company Inc., (the "Grantor Fee Owner") having an office at c/o The Bridge, 248 West 108th Street, New York, New York 10025, County of New York, State of New York, and 3500 Park Apts. L.P., (the "Grantor Beneficial Owner), having an office at 290 Lenox Avenue, 3rd Floor, New York, New York 10027, County of New York, State of New York (collectively, the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 3500 Park Avenue in the City of New York, County of Bronx and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 2389 Lot 20, being the same as that property conveyed to Grantor by deed dated August 17, 2016 and recorded in the City Register of the City of New York as CRFN # 2016000311437. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.350 +/- acres, and is hereinafter more fully described in the Land Title Survey dated March 13, 2018 and last revised April 16, 2019 prepared by Oriana Nicoletti-Greco, L.L.S. of Joseph Nicoletti Associates, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, Grantor Beneficial Owner, is the owner of the beneficial interest in the Controlled Property being the same as a portion of that beneficial interest conveyed to Grantor Beneficial Owner by means of a Declaration of Interest and Nominee Agreement dated May 17, 2018 and recorded in the recorded in the City Register of the City of New York as CRFN # 2018000178601; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C203096-09-17, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for

industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the

property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to: Site Number: C203096
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor Fee Owner has caused this instrument to be signed in its name.

3500 Park Apts. Housing Development Fund Company Inc.:

By: Carole Gordon

Print Name: Carole Gordon

Title: Assistant Secretary Date: 9/9/19

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Queens)

On the 9th day of September, in the year 20 19, before me, the undersigned, personally appeared Carole Gordon, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Gustavo Lozano
Notary Public - State of New York

GUSTAVO LOZANO
Notary Public, State of New York
No. 01LO6153402
Qualified in Queens County
Term Expires October 2, 2022

SEAL

IN WITNESS WHEREOF, Grantor Beneficial Owner has caused this instrument to be signed in its name.

3500 Park Apts. L.P.:

By: Carole Gordon

Print Name: Carole Gordon

Title: Assistant Secretary Date: 9/9/19

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Queens)

On the 9th day of September, in the year 20 19, before me, the undersigned, personally appeared Carole Gordon, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Gustavo Lozano
Notary Public - State of New York

GUSTAVO LOZANO
Notary Public, State of New York
No. 01LO6153402
Qualified in Queens County
Term Expires October 2, 2022

SEAL

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Michael J. Ryan, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 2nd day of October, in the year 2019, before me, the undersigned, personally appeared Michael J. Ryan, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public, State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 20

SEAL

SCHEDULE "A" PROPERTY DESCRIPTION

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a corner formed by the intersection of the southerly side of 168th Street and the easterly side of Vanderbilt (formerly Railroad) and now Park Avenue;

RUNNING THENCE southerly along the easterly side of Park Avenue 100.00 feet;

THENCE easterly parallel with 168th Street 151.73 feet (150.00 feet per deed and 152.39 per tax map);

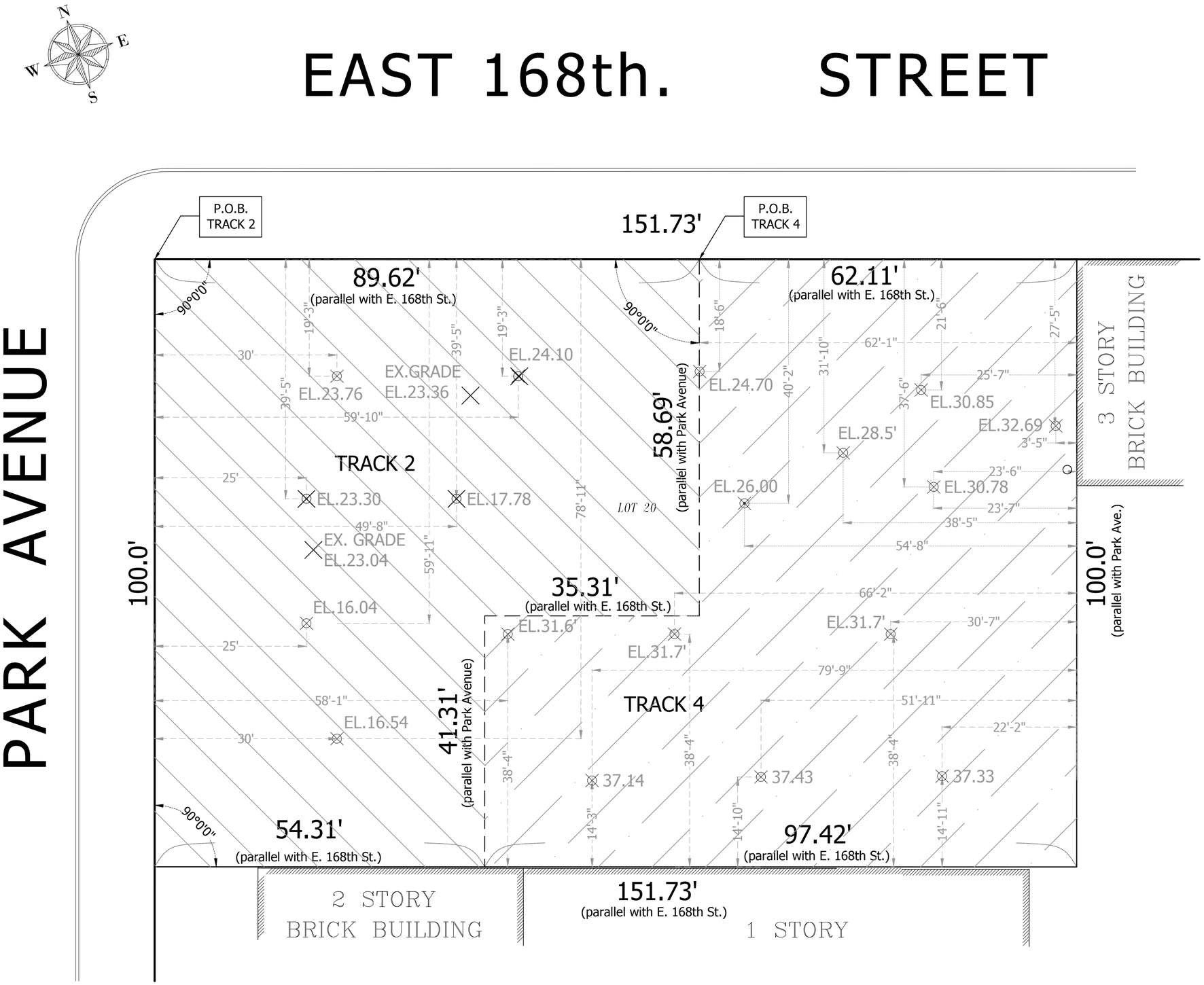
THENCE northerly parallel with Park Avenue 100.00 feet (97.50 per deed) to the southerly side of 168th Street; and

THENCE westerly along the southerly side of 168th Street 151.73 feet (150.00 per deed and 151.75 per tax map) to the point or place of BEGINNING.

Containing approximately 0.35 acres more or less.

R&R

Karen Sherman, Esq.
Sherman Law
1140 Broadway, Ste. 904
New York, NY 10001



DEED
LOT 20
BLOCK 2389

ALL THE CERTAIN PLOT, PIECE OF PARCEL OF LAND, SITUATE , LYING AND BEING IN THE BOROUGH AND COUNTY OF BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FALLOWS:

BEGINNING AT A CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF 168th. STREET AND THE EASTERLY SIDE OF VANDERBILT (FORMERLY RAILROAD) AND NOW PARK AVENUE;

RUNNING THENCE SOUTHERLY ALONG THE EASTERLY SIDE OF PARK AVENUE 100.00 FEET;

THENCE EASTERLY PARALLEL WITH 168th. STREET AND PART OF THE DISTANCE THROUGH A PARTY WALL 151.73 FEET;

THENCE NORTHERLY PARALLEL WITH PARK AVENUE 100.00 FEET TO THE SOUTHERLY SIDE OF 168th. STREET; AND

THENCE WESTERLY ALONG THE SAID SOUTHERLY SIDE OF 168th. STREET 151.73 FEET TO THE POINT OR PLACE OF BEGINNING.

METES AND BOUNDS
TRACK 2

ALL THE CERTAIN PLOT, PIECE OF PARCEL OF LAND, SITUATE , LYING AND BEING IN THE BOROUGH AND COUNTY OF BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FALLOWS:

BEGINNING AT A CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF 168th. STREET AND THE EASTERLY SIDE OF VANDERBILT (FORMERLY RAILROAD) AND NOW PARK AVENUE;

RUNNING THENCE SOUTHERLY ALONG THE EASTERLY SIDE OF PARK AVENUE 100.00 FEET;

THENCE EASTERLY PARALLEL WITH EAST 168th. STREET 54.31 FEET;

THENCE NORTHERLY PARALLEL WITH PARK AVENUE 41.31 FEET;

THENCE EASTERLY PARALLEL WITH EAST 168th. STREET 35.31 FEET;

THENCE NORTHERLY PARALLEL WITH PARK AVENUE 58.69 FEET; AND

THENCE WESTERLY ALONG THE SAID SOUTHERLY SIDE OF EAST 168th. STREET 89.62 FEET TO THE POINT OR PLACE OF BEGINNING.

METES AND BOUNDS
TRACK 4

ALL THE CERTAIN PLOT, PIECE OF PARCEL OF LAND, SITUATE , LYING AND BEING IN THE BOROUGH AND COUNTY OF BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FALLOWS:

BEGINNING AT A POINT ON THE SOUTHERLY SIDE OF EAST 168th. STREET, DISTANT 89.62 FEET EASTERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF EAST 168th STREET AND THE EASTERLY SIDE OF VANDERBILT (FORMERLY RAILROAD) AND NOW PARK AVENUE ;

THENCE SOUTHERLY PARALLEL WITH PARK AVENUE 58.69 FEET;

THENCE WESTERLY PARALLEL WITH EAST 168th. STREET 35.31 FEET;

THENCE SOUTHERLY PARALLEL WITH PARK AVENUE 41.31 FEET;

THENCE EASTERLY PARALLEL WITH EAST 168th. STREET 97.42 FEET;

RUNNING THENCE NORTHERLY PARALLEL WITH PARK AVENUE 100.00 FEET; AND

THENCE WESTERLY ALONG THE SAID SOUTHERLY SIDE OF EAST 168th. STREET 62.11 FEET TO THE POINT OR PLACE OF BEGINNING.

DATE	DESCRIPTION
DEC. 3, 2019	END SAMPLE LOCATIONS

BLOCK 2389
LOT 20
SECTION 9
COUNTY BRONX
DWG BY A.G.
CHKD BY J.A.
SCALE 1"= 12'

MAP OF PROPERTY LOCATED
3500 PARK AVENUE
BRONX, N.Y.

MERIDIAN
LAYOUT INC
3280 SUNRISE HWY, SUITE 341
WANTAGH, NY 11793
TEL. 516-787-3299

Benchmark Title Agency, LLC

NYSDEC Metes and Bounds Easement Description

TRACK 2:

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a corner formed by the intersection of the southerly side of East 168th Street and the easterly side of Park Ave;

RUNNING THENCE southerly along the easterly side of Park Avenue 100.00 feet;

THENCE easterly and parallel with East 168th Street, 54.31 feet;

THENCE northerly and parallel with Park Avenue, 41.31 feet;

THENCE easterly and parallel with East 168th Street. 35.31 feet;

THENCE northerly and parallel with Park Avenue, 58.69 feet to the southerly side of East 168th Street; and

THENCE along the same, 89.62 feet to the point or place of BEGINNING.

TRACK 4:

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the southerly side of East 168th Street, distant 89.62 feet easterly from the corner formed by the intersection of the southerly side of East 168th Street and the easterly side of Park Avenue;

THENCE southerly parallel with Park Avenue, 58.69 feet;

THENCE westerly parallel with East 168th Street, 35.31 feet;

THENCE southerly parallel with Park Avenue, 41.31 feet;

THENCE easterly parallel with East 168th Street, 97.42 feet;

FOR CONVEYANCING ONLY

The policy to be issued under this report will insure the title to such buildings and improvements erected on the premises which by law constitute real property.

THENCE northerly parallel with Park Avenue, 100.00 feet to the southerly side of East 168th Street;

THENCE westerly along the said southerly side of East 168th Street, 62.11 feet to the point or place of BEGINNING.

FOR CONVEYANCING ONLY

The policy to be issued under this report will insure the title to such buildings and improvements erected on the premises which by law constitute real property.

APPENDIX B

DIGITAL COPY OF THE FER (CD)

APPENDIX C
NYSDEC APPROVALS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Technical Support
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518) 402-9543 I F: (518) 402-9547
www.dec.ny.gov

August 21, 2017

3500 Park Apts. Housing Development
Fund Company, Inc. and 3500 Park Apts. L.P
Attn: Carole Gordon
290 Lenox Avenue
New York, NY 10027

RE: Brownfield Cleanup Application
3500 Park Avenue Apartments
Site No. C203096

Dear Ms. Gordon:

The New York State Department of Environmental Conservation (DEC) has received your application for participation in the Brownfield Cleanup Program (BCP) pursuant to Environmental Conservation Law (ECL) § 27-1401 et seq. We are pleased to advise you that your application has been determined to be complete based upon DEC's initial non-substantive review of your application package. While the application is complete, DEC may require additional information regarding site contamination in order to demonstrate that the site requires remediation pursuant to ECL § 27-1407(1). Additionally, if your application also seeks a determination that the site is eligible for tangible property credits under ECL § 27-1407(1-a), DEC may require additional information in order to make such a determination. If you propose additional material to supplement this application, DEC may consider it at its sole discretion. If additional material or information supplied significantly changes the scope of the site subject to the application, the Department may require you to publish another public notice of availability of the complete application. DEC would then adjust the time frame specified under ECL § 27-1407(6) for notifying you that your request for participation in the BCP is either accepted or rejected.

Pursuant to ECL § 27-1407(5), a 30-day public comment period is to begin after DEC's determination that an application is complete. DEC will publish a notice of the receipt of your application seeking public comment in the "Environmental Notice Bulletin." In accordance with the ECL and DEC regulations (see 6 NYCRR § 375-3.4(b)), you must notify, in writing, the Director of the Mayor's Office of Environmental Coordination and all parties on the site contact list[1] of the availability of the complete application for public review and comment.

In order to facilitate the notifications, DEC has prepared the enclosed documents for your use as Public Notices along with instructions. You are responsible for placing a copy of the application (including any attachments) and copies of all other related documents such as any

[1] The site contact list includes (see section 375-1.2(as)) all interested "persons, government agencies, groups or organizations, including, but not limited to, the chief executive officer and zoning board of each county, city, town and village in which such site is located, the public water supplier which serves the area in which such site is located, any site residents, adjacent property owners, any person who has requested to be placed on the site contact list, and the administrator of any school or day care facility located on the site for the purposes of posting and/or dissemination at the facility. Provided, however, that where the site or adjacent real property contains multiple dwelling units, the remedial party may propose an alternative method, consistent with the citizen participation goals set forth in section 375-1.10, for providing such notice in lieu of mailing to each individual."

site assessments, investigation reports, and/or remedial work plans in the document repository before the start of the public comment period. The language in the enclosed Public Notice must be used without alteration in the newspaper notice that you have published in accordance with sections 375-3.2(f) and 375-3.10.

The shorter enclosed public notice must be provided to a local newspaper servicing the area including the site for publication no later than August 30, 2017. By August 29, 2017, the other notifications specified above must be distributed and documents placed in the repository. To the extent that the mailings and publications are not completed in accordance with these time frames, DEC will extend the comment period for a period sufficient to comply with the required public notice requirements running from the latest of these mailings and publications.

Within five days of the mailings, you must submit a "certificate of mailing" using the enclosed form. Additionally, you must submit a proof of publication provided by the newspaper within three days of your receipt of such document. Please submit these documents to DEC's Project Manager:

Wendi Zheng
NYS Dept. of Environmental Conservation
1 Hunter's Point Plaza
47-40 21st Street
Long Island City, NY 11101-5401
wendi.zheng@dec.ny.gov

DEC will use all best efforts to notify you if the application is accepted or rejected within five days after the close of the public comment period. We look forward to working cooperatively to address the environmental conditions at the brownfield site and return this property to productive use.

Sincerely,

Kelly A. Lewandowski

Kelly A. Lewandowski, P.E.
Chief, Site Control Section

Enclosures
ec w/enc.: W. Zheng, Project Manager
G. Burke, Director, Remedial Bureau B
J. O'Connell, RHWRE, Region 2
A. Guglielmi, NYSDEC – OGC, Remediation Bureau
R. Seebacher, Project Attorney
K. Mintzer, Regional Attorney, Region 2
K. Anders, NYSDOH
J. Deming, NYSDOH Regional Chief
B. Humphrey, Site Control Section
K. Lewandowski
C. Gordon, Requestor's Representative (cgordon@thebridgeny.org)
D. Shapiro, Requestor's Consultant (dshapiro@akrf.com)
K. Sherman, Requestor's Attorney (karen@shermanlaw.net)

Brownfield Cleanup Program
Public Notice Instructions to Requestor[2]

1) Newspaper Notice

a) The Requestor must publish the language in the enclosed public notice with the heading "Notice to be published in newspaper" without modification, in a local newspaper of general circulation that services the area that includes the site not later than the date specified in the Division of Environmental Remediation's (DER) cover letter. The notice must be a paid newspaper advertisement, prominently located in the community bulletin section or comparable local section of the newspaper (not as a legal notice). The Requestor must publish the notice in English and in any other language spoken by a significant number of people within the site community.

b) The Requestor must submit a proof of publication of the newspaper notice to the DER Project Manager by the date specified in the DER cover letter.

2) Requestor's Instructions to Newspapers Regarding Printing the Public Notice

a) The enclosed public notice with the heading "Notice to be published in newspaper" announces the receipt of a complete Brownfield Cleanup Program application package by the New York State Department of Environmental Conservation. Pursuant to ECL Section 27-1405(22), the public notice must be a paid newspaper advertisement, prominently located in the community bulletin section or similar local section of the newspaper (not as a legal notice). The public notice must be published by the date specified. Please provide a proof of publication to the DER Project Manager as soon as possible.

3) Site Contact List

a) The Requestor must mail the enclosed public notice with the heading "Notice to be distributed to those on contact list included in the BCP Application", without modification, to the parties on the site contact list included with the application. The mailing must be performed by the date specified in the DER cover letter. No other materials can be mailed with this notice with the exception of the instructions provided in #4a below.

b) The Requestor must complete the certificate of mailing and submit it to the DER Project Manager by the date specified in the DER cover letter (see enclosed certificate of mailing form).

4) Requestor's Instructions to Parties on the Site Contact List Receiving the Public Notice

a) The enclosed public notice announces the receipt of a complete Brownfield Cleanup Program application package by the New York State Department of Environmental Conservation. Pursuant to ECL Section 27-1407(5), a public notice announcing the receipt of an application must be sent to parties on the site contact list. Please read the enclosed public notice and review the application package in the site document repository for further information regarding the application and how to submit comments.

5) Document Repository

a) The Requestor must put the application package (application and all attachments) in the site document repository specified in the application prior to the start of the public comment period.

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[2] A requestor (§ 375-3.2(i)) is a person who has submitted an application to participate in the BCP whose eligibility has not yet been determined by DEC.

Notice to be published in newspaper:

Public Notice
Fact Sheet

The New York State Department of Environmental Conservation (DEC) has received a Brownfield Cleanup Program (BCP) application and Draft Supplemental Remedial Investigation Work Plan from 3500 Park Apts. Housing Development Fund Company, Inc. and 3500 Park Apts. L.P. for a site known as 3500 Park Avenue Apartments, site ID #C203096. This site is located in the City of New York, within the County of Bronx, and is located at 3500 Park Avenue, Bronx NY 10456. Comments regarding this application must be submitted no later than September 29, 2017. A copy of the application, Draft Supplemental Remedial Investigation Work Plan and other relevant documents are available at the document repositories located at the New York Public Library, Morrisania Branch, 610 East 169th Street, Bronx, NY 10456 and the Bronx Community Board District 3, 1426 Boston Road, Bronx, NY 10456. Information regarding the site and how to submit comments can be found at http://www.dec.ny.gov/chemical/60058.html or send comments to Wendi Zheng, Project Manager, 1 Hunter's Point Plaza, 47-40 21st Street, Long Island City, NY 11101-5401; wendi.zheng@dec.ny.gov; or call 718-482-4599.

To have information such as this notice sent right to your email, sign up with county email listservs available at www.dec.ny.gov/chemical/61092.html.

Notice to be mailed to those on contact list included in the BCP Application:

Public Notice
Fact Sheet

The New York State Department of Environmental Conservation (DEC) has received a Brownfield Cleanup Program (BCP) application and Draft Supplemental Remedial Investigation Work Plan from 3500 Park Apts. Housing Development Fund Company, Inc. and 3500 Park Apts. L.P. for a site known as 3500 Park Avenue Apartments, site ID #C203096. This site is located in the City of New York, within the County of Bronx, and is located at 3500 Park Avenue, Bronx NY 10456

A copy of the application, Draft Supplemental Remedial Investigation Work Plan and other relevant documents are available at the document repositories located at the New York Public Library, Morrisania Branch, 610 East 169th Street, Bronx, NY 10456 and the Bronx Community Board District 3, 1426 Boston Road, Bronx, NY 10456.

There are several ways to comment on BCP applications. Comments can be submitted to the site Project Manager Wendi Zheng at 1 Hunter's Point Plaza, 47-40 21st Street, Long Island City, NY 11101-5401; via email at wendi.zheng@dec.ny.gov or by calling 718-482-4599. All comments must be submitted by **September 29, 2017**.

Site information can be viewed by entering the site ID noted above at:
http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

We would also encourage those interested in receiving information on future activities at this site or any other site to sign up to DEC's Contaminated Sites Email List at:
http://www.dec.ny.gov/chemical/61092.html

What is the Brownfield Cleanup Program?

New York's Brownfield Cleanup Program (BCP) is designed is to encourage private-sector cleanups of brownfields and to promote their redevelopment as a means to revitalize economically blighted communities. The BCP is an alternative to "greenfield" (land not previously developed or contaminated) development and is intended to remove some of the barriers to, and provide tax incentives for, the redevelopment of brownfields. Since its inception (2003), the BCP has catalyzed the cleanup of more than 300 contaminated sites statewide and incentivized redevelopment. There are more than 350 active sites in the BCP.

Additional information on the State's Brownfield program is available at DEC's website:
http://www.dec.ny.gov/chemical/8450.html

CERTIFICATION OF MAILING

Site Name:
Site No.:

I certify that I mailed on _____ a copy of the attached public notice by first class mail upon the person(s) on the attached mailing list, by depositing a true copy thereof, securely enclosed in a postpaid wrapper, in the Post Office box at _____ in the City of _____, New York, which box is under the exclusive care and custody of the United States Post Office.

_____ _____

Signature Date

New York State Department of Environmental Conservation
Division of Environmental Remediation, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 **Fax:** (518) 402-9020
Website: www.dec.ny.gov

Certified Mail, Return Receipt Requested
3500 Park Apts. Housing Development Fund Company, Inc.
Carole Gordon
290 Lenox Avenue
New York, NY 10027

3500 Park Apts. L.P.
Carole Gordon
290 Lenox Avenue
New York, NY 10027

OCT 27 2017

Re: 3500 Park Avenue Apartments
Tax Map ID No.: 2389-20
Property County: Bronx
Site No.: C203096

Dear Applicant:

Your application for the above-referenced Brownfield Cleanup Program ("BCP") project has been reviewed by the New York State Department of Environmental Conservation ("Department"). I am pleased to inform you that your request is accepted. The acceptance is based upon your participation as follows:

3500 Park Apts. Housing Development Fund Company, Inc. is a Volunteer as defined in ECL 27-1405(1)(b). 3500 Park Apts. L.P. is a Volunteer as defined in ECL 27-1405(1)(b). Tangible Property Tax Credit Status is described in Section II of the attached Brownfield Cleanup Agreement (BCA).

Based upon the facts and information in the application, information contained in the Department's records, and a timely return of the signed BCAs, the Department is prepared to execute a BCA for the above-described property. Enclosed are three original proposed BCAs. Please have an authorized representative sign all three originals where indicated and return them to my attention at 625 Broadway, Albany, New York, **along with proof that the party executing the BCA is authorized to bind the Requestor. This would be documentation from corporate organizational papers, which are updated, showing the authority to bind the corporation, or a Corporate Resolution showing the same, or an Operating Agreement or Resolution for an LLC.** The BCA shall not be effective until it is fully executed by the parties. A reassessment of eligibility may result in a denial of the application if there are any changes to material facts and information before the BCA is fully executed. **Please note, if the BCA is not signed and returned to the Department within 60 days, the Department will consider the Application withdrawn and the offer to enter the BCP will be deemed rescinded.**

The Department looks forward to working with you on this project. The Department's project manager will assist you in completing your project. You can arrange a meeting to discuss the program's requirements and work plan. The work plan will determine the scope of work to be conducted and completed. You may contact the Department's project team as set forth in Paragraph IV of the attached draft BCA to discuss the next steps.

Sincerely,

Michael J. Ryan, P.E., Assistant Director
Division of Environmental Remediation

Enclosures:

Department's Copies:
ec: Gerard Burke
Jane O'Connell
Kelly Lewandowski
Andrew Guglielmi
Wendi Zheng
Rachel Seebacher

Applicant's Copies:
ec: Carole Gordon (cgordon@thebridgeny.org)
Karen Sherman (karen@shermanlaw.net)
Deborah Shapiro (dshapiro@akrf.com)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
625 Broadway, 12th Floor, Albany, New York 12233-7011
P: (518) 402-9706 | F: (518) 402-9020
www.dec.ny.gov

3500 Park Apts. Housing Development Fund Company, Inc.
Carole Gordon
290 Lenox Avenue
New York, NY 10027

3500 Park Apts. L.P.
Carole Gordon
290 Lenox Avenue
New York, NY 10027

NOV 28 2017

RE: Site Name: 3500 Park Avenue Apartments
Site No.: C203096
Location of Site: 3500 Park Ave, Bronx County, Bronx, NY 10456

Dear Ms. Gordon,

To complete your file, attached is a fully executed copy of the Brownfield Cleanup Agreement for the 3500 Park Avenue Apartments.

If you have any further questions relating to this matter, please contact the project attorney for this site, Rachel Seebacher, Esq., NYS Department of Environmental Conservation, Office of General Counsel, One Hunters Point Plaza, 47-40 21st Street Long Island City, NY 11101, or by email at rachel.seebacher@dec.ny.gov.

Sincerely,

Michael J. Ryan, P.E.
Assistant Director
Division of Environmental Remediation

Enclosure

ec: W. Zheng, Project Manager

cc: R. Seebacher, Esq.
A. Guglielmi, Esq. /M. Mastroianni

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BROWNFIELD CLEANUP PROGRAM
ECL §27-1401 *et seq.*

In the Matter of a Remedial Program for

BROWNFIELD SITE CLEANUP AGREEMENT
Index No. C203096-09-17

3500 Park Avenue Apartments
DEC Site No.: C203096
Located at: 3500 Park Ave
Bronx County
Bronx, NY 10456

Hereinafter referred to as "Site"

by:

3500 Park Apts. Housing Development Fund Company, Inc.
290 Lenox Avenue, New York, NY 10027

3500 Park Apts. L.P.
290 Lenox Avenue, New York, NY 10027

Hereinafter referred to as "Applicant"

WHEREAS, the Department of Environmental Conservation ("Department") is authorized to administer the Brownfield Cleanup Program ("BCP") set forth in Article 27, Title 14 of the Environmental Conservation Law ("ECL"); and

WHEREAS, the Applicant submitted an application received by the Department on June 27, 2017; and

WHEREAS, the Department has determined that the Site and Applicant are eligible to participate in the BCP.

NOW, THEREFORE, IN CONSIDERATION OF AND IN EXCHANGE FOR THE MUTUAL COVENANTS AND PROMISES, THE PARTIES AGREE TO THE FOLLOWING:

I. Applicant Status

The Applicant, 3500 Park Apts. Housing Development Fund Company, Inc., is participating in the BCP as a Volunteer as defined in ECL 27-1405(1)(b).

The Applicant, 3500 Park Apts. L.P., is participating in the BCP as a Volunteer as defined in ECL 27-1405(1)(b).

II. Tangible Property Tax Credit Status

The Department has determined that the Site is eligible for tangible property tax credits pursuant to ECL § 27-1407(1-a) because the Site is located in a City having a population of one million or more and at least half of the site area is located in an environmental zone as defined in section twenty-one of the tax law. The Applicant acknowledges that the Department made this determination in reliance on information submitted to the Department by the Applicant.

III. Real Property

The Site subject to this Brownfield Cleanup Agreement (the "BCA" or "Agreement") consists of approximately 0.35 acres, a Map of which is attached as Exhibit "A", and is described as follows:

Tax Map/Parcel No.: 2389-20
Street Number: 3500 Park Avenue, Bronx
Owner: 350 Parks Apts. Housing Development Fund Company, Inc.
and 3500 Park Apts. L.P.

IV. Communications

A. All written communications required by this Agreement shall be transmitted by United States Postal Service, by private courier service, by hand delivery, or by electronic mail.

1. Communication from Applicant shall be sent to:

Wendi Zheng
New York State Department of Environmental Conservation
Division of Environmental Remediation
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101
wendi.zheng@dec.ny.gov

Note: one hard copy (unbound) of work plans and reports is required, as well as one electronic copy.

Krista Anders (electronic copy only)
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza
Corning Tower Room 1787
Albany, NY 12237
krista.anders@health.ny.gov

Rachel Seebacher, Esq. (correspondence only)
New York State Department of Environmental Conservation
Office of General Counsel
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101
rachel.seebacher@dec.ny.gov

2. Communication from the Department to Applicant shall be sent to:

3500 Park Apts. Housing Development Fund Company, Inc.
Attn: Carole Gordon
290 Lenox Avenue
New York, NY 10027
cgordon@thebridgeny.org

3500 Park Apts. L.P.
Attn: Carole Gordon
290 Lenox Avenue
New York, NY 10027
cgordon@thebridgeny.org

B. The Department and Applicant reserve the right to designate additional or different addressees for communication on written notice to the other. Additionally, the Department reserves the right to request that the Applicant provide more than one paper copy of any work plan or report.

C. Each party shall notify the other within ninety (90) days after any change in the addresses listed in this paragraph or in Paragraph III.

V. Miscellaneous

A. Applicant acknowledges that it has read, understands, and agrees to abide by all the terms set forth in Appendix A - "Standard Clauses for All New York State Brownfield Site Cleanup Agreements" which is attached to and hereby made a part of this Agreement as if set forth fully herein.

B. In the event of a conflict between the terms of this BCA (including any and all attachments thereto and amendments thereof) and the terms of Appendix A, the terms of this BCA shall control.

C. The effective date of this Agreement is the date it is signed by the Commissioner or the Commissioner's designee.

DATED: 11/28/17

THIS BROWNFIELD CLEANUP AGREEMENT IS HEREBY APPROVED, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____

Michael J. Ryan, P.E., Assistant Director
Division of Environmental Remediation

CONSENT BY APPLICANT

Applicant hereby consents to the issuing and entering of this Agreement, waives Applicant's right to a hearing herein as provided by law, and agrees to be bound by this Agreement.

3500 Park Apts. L.P.

By: Susan Wiotti

Title: CEO

Date: 11/13/2017

STATE OF NEW YORK)
) ss:
COUNTY OF Queens)

On the 13Th day of November in the year 2017, before me, the undersigned, personally appeared Susan Wiotti, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Gustavo Lozano

Signature and Office of individual taking acknowledgment

GUSTAVO LOZANO
Notary Public, State of New York
No. 01LO6153402
Qualified in Queens County
Term Expires October 2, 2018

CONSENT BY APPLICANT

Applicant hereby consents to the issuing and entering of this Agreement, waives Applicant's right to a hearing herein as provided by law, and agrees to be bound by this Agreement.

3500 Park Apts. Housing Development Fund Company, Inc.

By: _____

Title: CEO

Date: 11/13/2017

STATE OF NEW YORK)
) ss:
COUNTY OF Queens)

On the 13th day of November in the year 2017, before me, the undersigned, personally appeared Susan Wrotten, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Gustavo Lozano
Signature and Office of individual taking acknowledgment

GUSTAVO LOZANO
Notary Public, State of New York
No. 01LO6153402
Qualified in Queens County
Term Expires October 2, 2018

EXHIBIT A

SITE MAP

Tax Map/Parcel No.: 2389-20
Street Number: 3500 Park Avenue, Bronx
Digit Tax Map – New York City Dept. of Finance

APPENDIX A

STANDARD CLAUSES FOR ALL NEW YORK STATE BROWNFIELD SITE CLEANUP AGREEMENTS

The parties to the Brownfield Site Cleanup Agreement (hereinafter "BCA" or "Agreement") agree to be bound by the following clauses which are hereby made a part of the BCA. The word "Applicant" herein refers to any party to the Agreement, other than the New York State Department of Environmental Conservation (herein after "Department").

I. Citizen Participation Plan

Within twenty (20) days after the effective date of this Agreement, Applicant shall submit for review and approval a written citizen participation plan prepared in accordance with the requirements of Environmental Conservation Law (ECL) § 27-1417 and 6 NYCRR §§ 375-1.10 and 375-3.10. Upon approval, the Citizen Participation Plan shall be deemed to be incorporated into and made a part of this Agreement.

II. Development, Performance, and Reporting of Work Plans

A. Work Plan Requirements

The work plans ("Work Plan" or "Work Plans") under this Agreement shall be prepared and implemented in accordance with the requirements of ECL Article 27, Title 14, 6 NYCRR §§ 375-1.6(a) and 375-3.6, and all applicable laws, rules, regulations, and guidance documents. The Work Plans shall be captioned as follows:

1. "Remedial Investigation Work Plan" if the Work Plan provides for the investigation of the nature and extent of contamination within the boundaries of the Site and, if the Applicant is a "Participant", the extent of contamination emanating from such Site. If the Applicant is a "Volunteer" it shall perform a qualitative exposure assessment of the contamination emanating from the site in accordance with ECL § 27-1415(2)(b) and Department guidance;

2. "Remedial Work Plan" if the Work Plan provides for the development and implementation of a Remedial Program for contamination within the boundaries of the Site and, if the Applicant is a "Participant", the contamination that has emanated from such Site;

3. "IRM Work Plan" if the Work Plan provides for an interim remedial measure; or

4. "Site Management Plan" if the Work Plan provides for the identification and implementation of institutional and/or engineering controls as well as any necessary monitoring and/or operation and maintenance of the remedy.

5. "Supplemental" if additional work plans other than those set forth in II.A.1-4 are required to be prepared and implemented.

B. Submission/Implementation of Work Plans

1. The first proposed Work Plan to be submitted under this Agreement shall be submitted no later than thirty (30) days after the effective date of this Agreement. Thereafter, the Applicant shall submit such other and additional work plans as determined in a schedule to be approved by the Department.

2. Any proposed Work Plan shall be submitted for the Department's review and approval and shall include, at a minimum, a chronological description of the anticipated activities to be conducted in accordance with current guidance, a schedule for performance of those activities, and sufficient detail to allow the Department to evaluate that Work Plan. The Department shall use best efforts in accordance with 6 NYCRR § 375-3.6(b) to approve, modify, or reject a proposed Work Plan within forty-five (45) days from its receipt or within fifteen (15) days from the close of the comment period, if applicable, whichever is later.

i. Upon the Department's written approval of a Work Plan, such Department-approved Work Plan shall be deemed to be incorporated into and made a part of this Agreement and shall be implemented in accordance with the schedule contained therein.

ii. If the Department requires modification of a Work Plan, the reason for such modification shall be provided in writing and the provisions of 6 NYCRR § 375-1.6(d)(3) shall apply.

iii. If the Department disapproves a Work Plan, the reason for such disapproval shall be provided in writing and the provisions of 6 NYCRR § 375-1.6(d)(4) shall apply.

3. A Site Management Plan, if necessary, shall be submitted in accordance with the schedule set forth in the IRM Work Plan or Remedial Work Plan.

C. Submission of Final Reports

1. In accordance with the schedule contained in an approved Work Plan, Applicant shall submit a Final Report for an Investigation Work Plan prepared in accordance with ECL § 27-1411(1) and 6 NYCRR § 375-1.6. If such Final Report concludes that no remediation is necessary, and the Site does not meet the requirements for Track 1, Applicant shall submit an Alternatives Analysis prepared in accordance with ECL § 27-1413 and 6 NYCRR § 375-3.8(f) that supports such determination.

2. In accordance with the schedule contained in an approved Work Plan, Applicant shall submit a Final Engineering Report certifying that remediation of the Site has been performed in accordance with the requirements of ECL §§ 27-1419(1) and (2) and 6 NYCRR § 375-1.6. The Department shall review such Report, the submittals made pursuant to this Agreement, and any other relevant information regarding the Site and make a determination as to whether the goals of the remedial program have been or will be achieved in accordance with established timeframes; if so, a written Certificate of Completion will be issued in accordance with ECL § 27-1419, 6 NYCRR §§ 375-1.9 and 375-3.9.

3. Within sixty (60) days of the Department's approval of a Final Report, Applicant shall submit such additional Work Plans as it proposes to implement. In addition, Applicant shall include with every report submitted to the Department a schedule for the submission of any subsequent work plan required to meet the requirements of ECL Article 27 Title 14. Failure to submit any additional Work Plans within such period shall, unless other Work Plans are under review by the Department or being implemented by Applicant, result in the termination of this Agreement pursuant to Paragraph XII.

D. Review of Submittals other than Work Plans

1. The Department shall timely notify Applicant in writing of its approval or disapproval of each submittal other than a Work Plan in accordance with 6 NYCRR § 375-1.6. All Department-approved submittals shall be incorporated into and become an enforceable part of this Agreement.

2. If the Department disapproves a submittal covered by this Subparagraph, it shall specify the reason for its disapproval and may request Applicant to modify or expand the submittal. Within fifteen (15) days after receiving written notice that Applicant's submittal has been disapproved, Applicant shall elect in writing to either (i) modify or expand it within thirty (30) days of receipt of the written notice of disapproval; (ii) complete any other Department-approved Work Plan(s); (iii) invoke dispute resolution pursuant to Paragraph XIII; or (iv) terminate this Agreement pursuant to Paragraph XII. If Applicant submits a revised submittal and it is disapproved, the Department and Applicant may pursue whatever remedies may be available under this Agreement or under law.

E. Department's Determination of Need for Remediation

The Department shall determine upon its approval of each Final Report dealing with the investigation of the Site whether remediation, or additional remediation as the case may be, is needed for protection of public health and the environment.

1. If the Department makes a preliminary determination that remediation, or additional remediation, is not needed for protection of public health and the environment, the Department shall notify the public of such determination and seek public comment in accordance with ECL § 27-1417(3)(f). The Department shall provide timely notification to the Applicant of its final determination following the close of the public comment period.

2. If the Department determines that additional remediation is not needed and such determination is based upon use restrictions, Applicant shall cause to be recorded an Environmental Easement in accordance with 6 NYCRR § 375-1.8(h).

3. If the Department determines that remediation, or additional remediation, is needed, Applicant may elect to submit for review and approval a proposed Remedial Work Plan (or modify an existing Work Plan for the Site) for a remedy selected upon due consideration of the factors set forth in ECL § 27-1415(3) and 6 NYCRR § 375-1.8(f). A proposed Remedial Work Plan addressing the Site's remediation will be noticed for public comment in accordance with

ECL § 27-1417(3)(f) and the Citizen Participation Plan developed pursuant to this Agreement. If the Department determines following the close of the public comment period that modifications to the proposed Remedial Work Plan are needed, Applicant agrees to negotiate appropriate modifications to such Work Plan. If Applicant elects not to develop a Work Plan under this Subparagraph then this Agreement shall terminate in accordance with Paragraph XII. If the Applicant elects to develop a Work Plan, then it will be reviewed in accordance with Paragraph II.D above.

F. Institutional/Engineering Control Certification

In the event that the remedy for the Site, if any, or any Work Plan for the Site, requires institutional or engineering controls, Applicant shall submit a written certification in accordance with 6 NYCRR §§ 375-1.8(h)(3) and 375-3.8(h)(2).

III. Enforcement

Except as provided in Paragraph V, this Agreement shall be enforceable as a contractual agreement under the laws of the State of New York. Applicant shall not suffer any penalty except as provided in Paragraph V, or be subject to any proceeding or action if it cannot comply with any requirement of this Agreement as a result of a Force Majeure Event as described at 6 NYCRR § 375-1.5(b)(4) provided Applicant complies with the requirements set forth therein.

IV. Entry upon Site

A. Applicant hereby agrees to provide access to the Site and to all relevant information regarding activities at the Site in accordance with the provisions of ECL § 27-1431. Applicant agrees to provide the Department upon request with proof of access if it is not the owner of the site.

B. The Department shall have the right to periodically inspect the Site to ensure that the use of the property complies with the terms and conditions of this Agreement. The Department will generally conduct such inspections during business hours, but retains the right to inspect at any time.

C. Failure to provide access as provided for under this Paragraph may result in termination of this Agreement pursuant to Paragraph XII.

V. Payment of State Costs (Applicable only to Applicants with Participant Status)

A. Within forty-five (45) days after receipt of an itemized invoice from the Department, Applicant shall pay to the Department a sum of money which shall represent reimbursement for State Costs as provided by 6 NYCRR § 375-1.5 (b)(3)(i).

B. Costs shall be documented as provided by 6 NYCRR § 375-1.5(b)(3)(ii). The Department shall not be required to provide any other documentation of costs, provided however, that the Department's records shall be available consistent with, and in accordance with, Article 6 of the Public Officers Law.

C. Each such payment shall be made payable to the "Commissioner of NYSDEC" and shall be sent to:

Director, Bureau of Program Management
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7012

D. Each party shall provide written notification to the other within ninety (90) days of any change in the foregoing addresses.

E. If Applicant objects to any invoiced costs under this Agreement, the provisions of 6 NYCRR §§ 375-1.5 (b)(3)(v) and (vi) shall apply. Objections shall be sent to the Department as provided under subparagraph V.C above.

F. In the event of non-payment of any invoice within the 45 days provided herein, the Department may seek enforcement of this provision pursuant to Paragraph III or the Department may commence an enforcement action for non-compliance with ECL § 27-1409(2) and ECL § 71-4003.

VI. Liability Limitation

Subsequent to the issuance of a Certificate of Completion pursuant to this Agreement, Applicant shall be entitled to the Liability

Limitation set forth at ECL § 27-1421, subject to the terms and conditions stated therein and to the provisions of 6 NYCRR §§ 375-1.9 and 375-3.9.

VII. Reservation of Rights

A. Except as provided in Subparagraph VII.B, Applicant reserves all rights and defenses under applicable law to contest, defend against, dispute, or disprove any action, proceeding, allegation, assertion, determination, or order of the Department, including any assertion of remedial liability by the Department against Applicant, and further reserves all rights including the rights to notice, to be heard, to appeal, and to any other due process respecting any action or proceeding by the Department, including the enforcement of this Agreement. The existence of this Agreement or Applicant's compliance with it shall not be construed as an admission of any liability, fault, wrongdoing, or violation of law by Applicant, and shall not give rise to any presumption of law or finding of fact which shall inure to the benefit of any third party.

B. Notwithstanding the foregoing, Applicant hereby waives any right it may have to make a claim pursuant to Article 12 of the Navigation Law with respect to the Site and releases the State and the New York Environmental Protection and Spill Compensation Fund from any and all legal or equitable claims, suits, causes of action, or demands whatsoever with respect to the Site that Applicant may have as a result of Applicant's entering into or fulfilling the terms of this Agreement.

VIII. Indemnification

Applicant shall indemnify and hold the Department, the State of New York, and their representatives and employees harmless from any claim, suit, action, and cost of every name and description arising out of or resulting from the fulfillment or attempted fulfillment of this Agreement by Applicant prior to the Termination Date except for those claims, suits, actions, and costs arising from the State's gross negligence or willful or intentional misconduct by the Department, the State of New York, and/or their representatives and employees during the course of any activities conducted pursuant to this Agreement. In the event that the Applicant is a Participant, this provision shall also include the Trustee of the State's Natural Resources. The Department shall provide Applicant with written notice no less than thirty (30) days prior to commencing a lawsuit seeking indemnification pursuant to this Paragraph.

IX. Change of Use

Applicant shall notify the Department at least sixty (60) days in advance of any change of use, as defined in ECL § 27-1425, which is proposed for the Site, in accordance with the provisions of 6 NYCRR § 375-1.11(d). In the event the Department determines that the proposed change of use is prohibited, the Department shall notify Applicant of such determination within forty-five (45) days of receipt of such notice.

X. Environmental Easement

A. Within thirty (30) days after the Department's approval of a Remedial Work Plan which relies upon one or more institutional and/or engineering controls, or within sixty (60) days after the Department's determination pursuant to Subparagraph II.E.2 that additional remediation is not needed based upon use restrictions, Applicant shall submit to the Department for approval an Environmental Easement to run with the land in favor of the State which complies with the requirements of ECL Article 71, Title 36 and 6 NYCRR § 375-1.8(h)(2). Applicant shall cause such instrument to be recorded with the recording officer for the county in which the Site is located within thirty (30) days after the Department's approval of such instrument. Applicant shall provide the Department with a copy of such instrument certified by the recording officer to be a true and faithful copy within thirty (30) days of such recording (or such longer period of time as may be required to obtain a certified copy provided Applicant advises the Department of the status of its efforts to obtain same within such thirty (30) day period), which shall be deemed to be incorporated into this Agreement.

B. Applicant or the owner of the Site may petition the Department to modify or extinguish the Environmental Easement filed pursuant to this Agreement at such time as it can certify that the Site is protective of public health and the environment without reliance upon the restrictions set forth in such instrument. Such certification shall be made by a Professional Engineer or Qualified Environmental Professional as defined at 6 NYCRR § 375-1.2(ak) approved by the Department. The Department will not unreasonably withhold its consent.

XI. Progress Reports

Applicant shall submit a written progress report of its actions under this Agreement to the parties identified in Subparagraph III.A.1 of the Agreement by the 10th day of each month commencing with the month subsequent to the approval of the first Work Plan and ending with the Termination Date, unless a different frequency is set forth in a Work Plan. Such reports shall, at a minimum, include: all actions relative to the Site during the previous reporting period and those anticipated for the next reporting period; all approved activity modifications (changes of work scope and/or schedule); all results of sampling and tests and all other data received or generated by or on behalf of Applicant in connection with this Site, whether under this Agreement or otherwise, in the previous reporting period, including quality assurance/quality control information; information regarding percentage of completion; unresolved delays encountered or anticipated that may affect the future schedule and efforts made to mitigate such delays; and information regarding activities undertaken in support of the Citizen Participation Plan during the previous reporting period and those anticipated for the next reporting period.

XII. Termination of Agreement

Applicant or the Department may terminate this Agreement consistent with the provisions of 6 NYCRR §§ 375-3.5(b), (c), and (d) by providing written notification to the parties listed in Paragraph IV of the Agreement.

XIII. Dispute Resolution

A. In the event disputes arise under this Agreement, Applicant may, within fifteen (15) days after Applicant knew or should have known of the facts which are the basis of the dispute, initiate dispute resolution in accordance with the provisions of 6 NYCRR § 375-1.5(b)(2).

B. All cost incurred by the Department associated with dispute resolution are State costs subject to reimbursement pursuant to Paragraph V of Appendix A of this Agreement, if applicable.

C. Notwithstanding any other rights otherwise authorized in law or equity, any disputes pursuant to this Agreement shall be limited to Departmental decisions on remedial activities. In no event shall such dispute authorize a challenge to the applicable statute or regulation.

XIV. Miscellaneous

A. If the information provided and any certifications made by Applicant are not materially accurate and complete, this Agreement, except with respect to Applicant's obligations pursuant to Paragraphs V, if applicable, and VII.B, and VIII, shall be null and void ab initio fifteen (15) days after the Department's notification of such inaccuracy or incompleteness or fifteen (15) days after issuance of a final decision resolving a dispute pursuant to Paragraph XIII, whichever is later, unless Applicant submits information within that fifteen (15) day time period indicating that the information provided and the certifications made were materially accurate and complete. In the event this Agreement is rendered null and void, any Certificate of Completion and/or Liability Limitation that may have been issued or may have arisen under this Agreement shall also be null and void ab initio, and the Department shall reserve all rights that it may have under law.

B. By entering into this Agreement, Applicant agrees to comply with and be bound by the provisions of 6 NYCRR §§ 375-1, 375-3 and 375-6; the provisions of such subparts that are referenced herein are referenced for clarity and convenience only and the failure of this Agreement to specifically reference any particular regulatory provision is not intended to imply that such provision is not applicable to activities performed under this Agreement.

C. The Department may exempt Applicant from the requirement to obtain any state or local permit or other authorization for any activity conducted pursuant to this Agreement in accordance with 6 NYCRR §§ 375-1.12(b), (c), and (d).

D. 1. Applicant shall use "best efforts" to obtain all Site access, permits, easements, approvals, institutional controls, and/or authorizations necessary to perform Applicant's obligations under this Agreement, including all Department-approved Work Plans and the schedules contained therein. If, despite Applicant's best efforts, any access, permits, easements, approvals, institutional controls, or authorizations cannot be obtained, Applicant shall promptly notify the Department and include a summary of the steps taken. The Department

may, as it deems appropriate and within its authority, assist Applicant in obtaining same.

2. If an interest in property is needed to implement an institutional control required by a Work Plan and such interest cannot be obtained, the Department may require Applicant to modify the Work Plan pursuant to 6 NYCRR § 375-1.6(d)(3) to reflect changes necessitated by Applicant's inability to obtain such interest.

E. The paragraph headings set forth in this Agreement are included for convenience of reference only and shall be disregarded in the construction and interpretation of any provisions of this Agreement.

F. 1. The terms of this Agreement shall constitute the complete and entire agreement between the Department and Applicant concerning the implementation of the activities required by this Agreement. No term, condition, understanding, or agreement purporting to modify or vary any term of this Agreement shall be binding unless made in writing and subscribed by the party to be bound. No informal advice, guidance, suggestion, or comment by the Department shall be construed as relieving Applicant of its obligation to obtain such formal approvals as may be required by this Agreement. In the event of a conflict between the terms of this Agreement and any Work Plan submitted pursuant to this Agreement, the terms of this Agreement shall control over the terms of the Work Plan(s). Applicant consents to and agrees not to contest the authority and jurisdiction of the Department to enter into or enforce this Agreement.

2. i. Except as set forth herein, if Applicant desires that any provision of this Agreement be changed, Applicant shall make timely written application to the Commissioner with copies to the parties in Subparagraph IV.A.1 of the Agreement.

ii. If Applicant seeks to modify an approved Work Plan, a written request shall be made to the Department's project manager, with copies to the parties listed in Subparagraph IV.A.1 of the Agreement.

iii. Requests for a change to a time frame set forth in this Agreement shall be made in writing to the Department's project attorney and project manager; such requests shall not be unreasonably denied and a written response to such requests shall be sent to Applicant promptly.

G. 1. If there are multiple parties signing this Agreement, the term "Applicant" shall be read in the plural, the obligations of each such party under this Agreement are joint and several, and the insolvency of or failure by any Applicant to implement any obligations under this Agreement shall not affect the obligations of the remaining Applicant(s) under this Agreement.

2. If Applicant is a partnership, the obligations of all general partners (including limited partners who act as general partners) under this Agreement are joint and several and the insolvency or failure of any general partner to implement any obligations under this Agreement shall not affect the obligations of the remaining partner(s) under this Agreement.

3. Notwithstanding the foregoing Subparagraphs XIV.G.1 and 2, if multiple parties sign this Agreement as Applicants but not all of the signing parties elect to implement a Work Plan, all Applicants are jointly and severally liable for each and every obligation under this Agreement through the completion of activities in such Work Plan that all such parties consented to; thereafter, only those Applicants electing to perform additional work shall be jointly and severally liable under this Agreement for the obligations and activities under such additional Work Plan(s). The parties electing not to implement the additional Work Plan(s) shall have no obligations under this Agreement relative to the activities set forth in such Work Plan(s). Further, only those Applicants electing to implement such additional Work Plan(s) shall be eligible to receive the Liability Limitation referenced in Paragraph VI.

4. Any change to parties pursuant to this Agreement, including successors and assigns through acquisition of title, is subject to approval by the Department, after submittal of an application acceptable to the Department.

H. Applicant shall be entitled to receive contribution protection and/or to seek contribution to the extent authorized by ECL § 27-1421(6) and 6 NYCRR § 375-1.5(b)(5).

I. Applicant shall not be considered an operator of the Site solely by virtue of having executed and/or implemented this Agreement.

J. Applicant and Applicant's agents, grantees, lessees, sublessees, successors, and assigns shall be bound by this Agreement. Any change in ownership of Applicant including, but not limited to, any transfer of assets or real or personal property, shall in no way alter Applicant's responsibilities under this Agreement.

K. Unless otherwise expressly provided herein, terms used in this Agreement which are defined in ECL Article 27 or in regulations promulgated thereunder shall have the meaning assigned to them under said statute or regulations.

L. Applicant's obligations under this Agreement shall not be deemed to constitute any type of fine or penalty.

M. In accordance with 6 NYCRR § 375-1.6(a)(4), the Department shall be notified at least 7 days in advance of, and be allowed to attend, any field activities to be conducted under a Department approved work plan, as well as any pre-bid meetings, job progress meetings, substantial completion meeting and inspection, and final inspection and meeting; provided, however that the Department may be excluded from portions of meetings where privileged matters are discussed.

N. In accordance with 6 NYCRR § 375-1.11(a), all work plans; reports, including all attachments and appendices, and certifications, submitted by a remedial party shall be submitted in print, as well as in an electronic format acceptable to the Department.

O. This Agreement may be executed for the convenience of the parties hereto, individually or in combination, in one or more counterparts, each of which shall be deemed to have the status of an executed original and all of which shall together constitute one and the same.

Resolution of 3500 Park Apts. Housing Development Fund Company, Inc.

WHEREAS, 3500 Park Apts. Housing Development Fund Company, Inc. ("**HDFC**") owns 3500 Park Avenue, Bronx, NY (the "**Site**");

WHEREAS, 3500 Park Apts.GP, Inc. is the general partner of 3500 Park Avenue Apts. L.P. (the "**Partnership**");

WHEREAS, pursuant to a declaration of interest and nominee agreement, the Partnership will be the beneficial owner of 3500 Park Avenue, Bronx, NY (the "**Site**") and the HDFC will remain the fee owner;

WHEREAS, the New York State Department of Environmental Conservation ("**DEC**") determined that the Partnership, the HDFC and the Site are eligible to participate in its Brownfield Cleanup Program ("**BCP**"), and are each a volunteer as defined in the laws governing the BCP program;

WHEREAS, DEC has determined that the Site is eligible for tangible tax credits;

NOW THEREFORE, be it RESOLVED,

- That the HDFC is authorized to participate in the BCP program in order to clean up the Site; and to execute, deliver and perform any obligations relating thereto as may be required by DEC;

- That each officer of HDFC and Susan Wiviott, as an authorized person and Carole Gordon, Assistant Secretary (each an "**Authorized Person**"), is each individually authorized, empowered and directed to take such actions, and to execute documents and instruments, as such Authorized Person may deem necessary or appropriate in connection with the foregoing resolutions, and the signature of such person on any documents or instruments or the performance of any such actions shall be conclusive evidence of such person's authority to take such actions or execute such documents or instruments on behalf of HDFC;

- That each Authorized Person is hereby authorized, to certify more formal or detailed resolutions as such person deems necessary or appropriate to effectuate the intent of the foregoing resolutions and that such person is hereby authorized and directed to annex such resolutions to these resolutions in HDFC's minute book, and thereupon, such resolutions shall be deemed so adopted;

- Those any and all acts heretofore taken by Authorized Person in connection with the matters authorized by the foregoing resolutions are hereby ratified, confirmed, adopted and approved by Board of Directors;

- That DEC is hereby authorized to rely upon these resolutions, and upon any certificate of any Authorized Person with respect thereto until receipt of actual written notice of the revocation thereof, and may conclusively presume that the persons so designated continue to hold office until actual receipt of a certificate from the HDFC to the contrary.

Approved at a meeting on November 20, 2017

Name and Title

CERTIFICATION

I, Carole Gordon, Assistant Secretary of 3500 Park Apts. Housing Development Fund Company, Inc., the foregoing is a full, true and correct copy of the resolution duly passed and adopted by the Board of Directors of said corporation at a meeting of said Board duly and regularly called, noticed and held on November 20, 2017 at which meeting a quorum of the Board of Directors was present and voted in favor of said resolutions; that said resolutions are now in full force and effect; that there is no provision in the Certificate of Incorporation or Bylaws of said corporation, limiting the power of the Board of Directors of said corporation to pass the foregoing resolutions and that such resolutions are in conformity with the provisions of such Certificate of Incorporation and Bylaws.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the corporate seal of said corporation as of Nov 20, ____ 2017.

Carole Gordon

Name: Carole Gordon
Title: Assistant Secretary

Resolution of
3500 Park Avenue Apts. L.P. and 3500 Park Apts.GP, Inc.

WHEREAS, 3500 Park Apts. Housing Development Fund Company, Inc. ("**HDFC**") owns 3500 Park Avenue, Bronx, NY (the "Site");

WHEREAS, 3500 Park Apts.GP, Inc. is the general partner of 3500 Park Avenue Apts. L.P. (the **"Partnership"**);

WHEREAS, pursuant to a declaration of interest and nominee agreement, the Partnership will be the beneficial owner of 3500 Park Avenue, Bronx, NY (the "Site") and the HDFC will remain the fee owner;

WHEREAS, the New York State Department of Environmental Conservation ("**DEC**") determined that the Partnership, the HDFC and the Site are eligible to participate in its Brownfield Cleanup Program ("**BCP**"), and are each a volunteer as defined in the laws governing the BPC program;

WHEREAS, DEC has determined that the Site is eligible for tangible tax credits;

NOW THEREFORE, be it RESOLVED,

- That the General Partner or behalf of itself and the Partnership is authorized to participate in the BCP program in order to clean up the Site and to execute, deliver and perform any obligations relating thereto as may be required by DEC;

- That each officer of General Partner and Susan Wiviott, as an authorized person and Carole Gordon, Assistant Secretary (each an "**Authorized Person**"), is each individually authorized, empowered and directed to take such actions, and to execute documents and instruments, as such Authorized Person may deem necessary or appropriate in connection with the foregoing resolutions, and the signature of such person on any documents or instruments or the performance of any such actions shall be conclusive evidence of such person's authority to take such actions or execute such documents or instruments on behalf of General Partner and the Partnership, as applicable;

- That each Authorized Person is hereby authorized, to certify more formal or detailed resolutions as such person deems necessary or appropriate to effectuate the intent of the foregoing resolutions and that such person is hereby authorized and directed to annex such resolutions to these resolutions in General Partner's minute book, and thereupon, such resolutions shall be deemed so adopted;

- Those any and all acts heretofore taken by Authorized Person in connection with the matters authorized by the foregoing resolutions are hereby ratified, confirmed, adopted and approved by Board of Directors;

- That DEC is hereby authorized to rely upon these resolutions, and upon any certificate of any Authorized Person with respect thereto until receipt of actual written notice of the revocation thereof, and may conclusively presume that the persons so designated continue to hold office until actual receipt of a certificate from the General Partner to the contrary.

Approved at a meeting on November 10, 2017

President

CERTIFICATION

I, Carole Gordon, Assistant Secretary of 3500 Park Apts.GP, Inc., the foregoing is a full, true and correct copy of the resolution duly passed and adopted by the Board of Directors of said corporation at a meeting of said Board duly and regularly called, noticed and held on November 20, 2017 at which meeting a quorum of the Board of Directors was present and voted in favor of said resolutions; that said resolutions are now in full force and effect; that there is no provision in the Certificate of Incorporation or Bylaws of said corporation, limiting the power of the Board of Directors of said corporation to pass the foregoing resolutions and that such resolutions are in conformity with the provisions of such Certificate of Incorporation and Bylaws.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the corporate seal of said corporation as of Nov 20, ____ 2017.

Carole Gordon

Name: Carole Gordon
Title: Assistant Secretary

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

December 13, 2017

Carole Gordon
3500 Park Apts. Housing Development Fund Company, Inc.
290 Lenox Avenue
New York, NY 10027

Re: 3500 Park Avenue Apartments
3500 Park Avenue, Bronx, New York County
Brownfield Cleanup Program # C203096
Citizen Participation Plan ("CPP")

Dear Ms. Gordon:

The New York State Department of Environmental Conservation ("NYSDEC") has reviewed the Citizen Participation Plan (CP Plan) dated December 2017. The CP Plan was prepared by AKRF, Inc. on behalf of 3500 Park Apts. Housing Development Fund Company, Inc. (the Volunteer). NYSDEC has determined that the CP Plan is adequate and is hereby approved.

In accordance with the requirements of the Brownfield Cleanup Agreement, the approved CP Plan must be placed in the project document repositories. The CP Plan includes a Site Contact List ("SCL"), and document repositories which are to be maintained throughout the project. Any draft copies should be removed. The SCL for this site may be modified by the Department at any time. Any person interested in receiving information about this site can request to be added to the SCL. In addition, all project-related documents will be made available in the document repositories listed in the CP Plan. A certification that this documents have been placed in project repositories, and that the repositories are complete with all project documents, must be submitted to the NYSDEC project manager.

Please note that the Major Issues of Public Concern section of the CP Plan may be revisited or updated anytime during the project. Any proposed changes to the CP Plan must be approved by the Department.

Should you any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Regards,

Wendi Zheng
Project Manager

cc: J. O'Connell, T. Panzone, R. Seebacher – NYSDEC
D. Shapiro – AKRF
K. Sherman – ShermanLaw

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

April 2, 2018

Carole Gordon
3500 Park Apts. Housing Development Fund Company, Inc.
290 Lenox Avenue
New York, NY 10027

Re: 3500 Park Avenue Apartments
3500 Park Avenue, Bronx, Bronx County
Brownfield Cleanup Program # C203096
Remedial Investigation Report

Dear Ms. Gordon:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health, has completed its review of the Supplemental Remedial Investigation Report (SRIR) dated March 2018 which was prepared by AKRF, Inc. on behalf of 3500 Park Apts. Housing Development Fund Company, Inc. (the Volunteer). The SRIR was submitted to NYSDEC under the Brownfield Cleanup Program. NYSDEC has determined that the SRIR is adequate and is hereby approved.

In accordance with the requirements of the Brownfield Cleanup Agreement and the Citizen Participation Plan, the approved SRIR must be placed in the project document repositories within 5 business days. Any draft copies of this report should be removed. A certification that this document has been placed in the project repositories, and that the repositories are complete with all project documents, must be submitted to the NYSDEC project manager.

Should you have any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Regards,

Wendi Zheng
Project Manager

cc: S. Martinkat, J. O'Connell, R. Seebacher – NYSDEC
J. Nealon, J. Deming – NYSDOH
D. Shapiro, M. Jepsen – AKRF
K. Sherman – ShermanLaw

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9768 I F: (518) 402-9773
www.dec.ny.gov

May 18, 2018

Carole Gordon
3500 Park Apts. Housing Development Fund Company, Inc.
290 Lenox Avenue
New York, NY 10027

RE: 3500 Park Avenue Apartments Site
Site ID No. C203096
Bronx, Bronx County
Remedial Action Work Plan & Decision Document

Dear Ms. Gordon:

The New York State Department of Environmental Conservation (the Department) and the New York State Department of Health (NYSDOH) have reviewed the Remedial Action Work Plan (RAWP) for the 3500 Park Avenue Apartments site dated April 2018, which was prepared by AKRF Engineering PC on behalf of 3500 Park Apts. Housing Development Fund Company, Inc. The RAWP is hereby approved. Please ensure that a copy of the approved RAWP is placed in the document repositories along with this letter. Any draft copies should be removed.

Attached is a copy of the Department's Decision Document for the above referenced site. The remedy is to be implemented in accordance with this Decision Document. Please ensure that a copy of the Decision Document is placed in the document repositories.

Please contact Wendi Zheng at wendi.zheng@dec.ny.gov or (718) 482-7541 at your earliest convenience to discuss the next steps. Please recall the Department requires seven days' notice prior to the start of field work.

Sincerely,

Gerard Burke
Director, Remedial Bureau B
Division of Environmental Remediation

ec: M. Ryan, G. Burke, J. O'Connell, W. Zheng, R. Seebacher – NYSDEC
K. Anders, J. Deming, J. Nealon – NYSDOH
Deborah Shapiro, Mark Jepsen – AKRF
Karen Sherman – ShermanLaw

DECISION DOCUMENT

3500 Park Avenue Apartments
Brownfield Cleanup Program
Bronx, Bronx County
Site No. C203096
May 2018

Prepared by
Division of Environmental Remediation
New York State Department of Environmental Conservation

DECLARATION STATEMENT - DECISION DOCUMENT

3500 Park Avenue Apartments
Brownfield Cleanup Program
Bronx, Bronx County
Site No. C203096
May 2018

Statement of Purpose and Basis

This document presents the remedy for the 3500 Park Avenue Apartments site, a brownfield cleanup site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for the 3500 Park Avenue Apartments site and the public's input to the proposed remedy presented by the Department.

Description of Selected Remedy

The elements of the selected remedy are as follows:

1. Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows;

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals; and
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development.
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings will include, at

a minimum, a 20-mil vapor barrier/waterproofing membrane on the foundation to improve energy efficiency as an element of construction.

2. Excavation

Excavation and off-site disposal of all on-site soils which exceed restricted-residential SCOs, as defined by 6 NYCRR Part 375-6.8, in the upper 15 feet. If a Track 2 restricted residential cleanup is achieved, a Cover System will not be a required element of the remedy.

Approximately 8,500 cubic yards of contaminated soil will be removed from the site.

Excavation and removal of any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination if encountered.

3. Backfill

Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the site.

4. Institutional Control

Imposition of an institutional control in the form of environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and
- require compliance with the Department approved Site Management Plan.

5. Site Management Plan

A Site Management Plan is required, which includes the following:

a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:
   - Institutional Controls: The Environmental Easement discussed in Paragraph 4.
   - Engineering Controls: The Cover System discussed in Paragraph 6.

   This plan includes, but may not be limited to:
   - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
   - descriptions of the provisions of the environmental easement including any land use, and groundwater or surface water use restrictions;
   - a provision for evaluation of the potential for soil vapor intrusion for any buildings developed on the site, including provision for implementing actions recommended to

address exposures related to soil vapor intrusion;
- a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 6 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
   - monitoring of the cover system to assess the performance and effectiveness of the remedy;
   - a schedule of monitoring and frequency of submittals to the Department; and
   - monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.

Contingency: Track 4

In the event that Track 2 restricted residential use is not achieved, including achievement of groundwater and/or soil vapor remedial objectives, the following contingent remedial elements will be required and the remedy will achieve a Track 4 restricted residential cleanup at a minimum, and will include imposition of a site cover (as a contingency if soil greater than 2 feet but less than 15 feet deep does not meet the restricted residential SCOs) as described below.

6. Cover System

If a Track 2 cleanup is not achieved, a Track 4 remedy will include a site cover. A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

Declaration

The remedy conforms with promulgated standards and criteria that are directly applicable, or that are relevant and appropriate and takes into consideration Department guidance, as appropriate. The remedy is protective of public health and the environment.

May 18, 2018
Date

Gerard Burke, Director
Remedial Bureau B

DECISION DOCUMENT

3500 Park Avenue Apartments
Bronx, Bronx County
Site No. C203096
May 2018

SECTION 1: SUMMARY AND PURPOSE

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the above referenced site. The disposal of contaminants at the site has resulted in threats to public health and the environment that would be addressed by the remedy. The disposal or release of contaminants at this site, as more fully described in this document, has contaminated various environmental media. Contaminants include hazardous waste and/or petroleum.

The New York State Brownfield Cleanup Program (BCP) is a voluntary program. The goal of the BCP is to enhance private-sector cleanups of brownfields and to reduce development pressure on "greenfields." A brownfield site is real property, the redevelopment or reuse of which may be complicated by the presence or potential presence of a contaminant.

The Department has issued this document in accordance with the requirements of New York State Environmental Conservation Law and 6 NYCRR Part 375. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: CITIZEN PARTICIPATION

The Department seeks input from the community on all remedies. A public comment period was held, during which the public was encouraged to submit comment on the proposed remedy. All comments on the remedy received during the comment period were considered by the Department in selecting a remedy for the site. Site-related reports and documents were made available for review by the public at the following document repositories:

New York Public Library-Morrisania Library
Attn: Colbert Nembhard
610 East 169th Street
Bronx, NY 10456
Phone: 718-589-9268

Bronx Community Board District 3
Attn: Etta F. Ritter
1426 Boston Road
Bronx, NY 10456

Phone: 718-378-8054

Receive Site Citizen Participation Information By Email

Please note that the Department's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program, Brownfield Cleanup Program, Voluntary Cleanup Program, and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Location:
The Site is located at 3500 Park Avenue in an urban area in the Morrisania neighborhood of the Bronx, New York. The Site is bordered by: 168th Street to the north, followed by Public School (PS) 132 and commercial and residential buildings further north; an industrial yard, vacant lot, residential and commercial buildings to the east; Webster Beverage Wholesale Restaurant Supply facility to the south; and Park Avenue, followed by Metro North Railroad tracks at approximately 20 feet below ground surface, to the west.

Site Features:
The Site consists of a 15,207-square foot asphalt-paved parking lot with a small mobile storage container on the southwestern portion of the lot, which served as an attendant shed. The Site has been vacant or a parking lot since approximately 1995. The site consists of a single tax lot designated as Block 2389, Lot 20.

Current Zoning and Land Use:
The Site is zoned R7-1 which allows for residential use, with a C2-4 overlay which allows for commercial use. The surrounding area is composed of predominantly residential and commercial uses with two auto repair shops and an electrical equipment repair shop south of the Site. The site is currently a vacant asphalt-paved parking lot and unoccupied.

Past Use of the Site:
The Site was developed historically with a one-story building. Previous Site uses included an advertising display and woodworking manufacturer with a spray booth and paint vault, East Coast Aeronautics Inc., Progressive Tool Works, Weskup Manufacturing Jewelry Co., Kingston Manufacturing Corp. Biltrite/Biltbite Fixture Company, and Servrite Refrigeration Inc. from 1949 to 1993; and an automobile garage in 1927 through 1940. The former Site building was demolished in the mid-1990s and the property was converted to a commercial licensed parking lot in 1995. The Site has been vacant or utilized as an automobile parking lot.

Site Geology and Hydrology:
The Site lies at an elevation of approximately 30 to 40 feet above the National Geodetic Vertical

Datum of 1988 (an approximation of mean sea level) and slopes slightly to the west. The soil beneath the site consists of historic fill materials including gravel, brick, wood, and silt down to 12 feet below the sidewalk grade. Presumed bedrock was encountered at the Site between 27 and 40 feet below sidewalk grade. Groundwater was encountered above at a depth of 21.45 feet during Supplemental Remedial Investigation dated March 2018. Based on topography and local hydrogeology, groundwater would be expected to flow in a south-southeast direction.

A site location map is attached as Figure 1.

SECTION 4: LAND USE AND PHYSICAL SETTING

The Department may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, alternatives (or an alternative) that restrict(s) the use of the site to restricted-residential use (which allows for commercial use and industrial use) as described in Part 375-1.8(g) were/was evaluated in addition to an alternative which would allow for unrestricted use of the site.

A comparison of the results of the Remedial Investigation (RI) to the appropriate standards, criteria and guidance values (SCGs) for the identified land use and the unrestricted use SCGs for the site contaminants is available in the RI Report.

SECTION 5: ENFORCEMENT STATUS

The Applicant(s) under the Brownfield Cleanup Agreement is a/are Volunteer(s). The Applicant(s) does/do not have an obligation to address off-site contamination. However, the Department has determined that this site does not pose a significant threat to public health or the environment; accordingly, no enforcement actions are necessary.

SECTION 6: SITE CONTAMINATION

6.1: Summary of the Remedial Investigation

A remedial investigation (RI) serves as the mechanism for collecting data to:

- characterize site conditions;
- determine the nature of the contamination; and
- assess risk to human health and the environment.

The RI is intended to identify the nature (or type) of contamination which may be present at a site and the extent of that contamination in the environment on the site, or leaving the site. The RI reports on data gathered to determine if the soil, groundwater, soil vapor, indoor air, surface water or sediments may have been contaminated. Monitoring wells are installed to assess groundwater and soil borings or test pits are installed to sample soil and/or waste(s) identified. If other natural resources are present, such as surface water bodies or wetlands, the water and sediment may be sampled as well. Based on the presence of contaminants in soil and groundwater, soil vapor will also be sampled for the presence of contamination. Data collected

in the RI influence the development of remedial alternatives. The RI report is available for review in the site document repository and the results are summarized in section 6.3.

The analytical data collected on this site includes data for:

- groundwater
- soil
- soil vapor

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the RI were compared to media-specific SCGs. The Department has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs for drinking water and soil vapor intrusion. For a full listing of all SCGs see: http://www.dec.ny.gov/regulations/61794.html

6.1.2: RI Results

The data have identified contaminants of concern. A "contaminant of concern" is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized below. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site is/are:

copper
mercury
lead
tetrachloroethene (PCE)
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo[k]fluoranthene
chrysene
dibenz[a,h]anthracene
indeno(1,2,3-CD)pyrene

The contaminant(s) of concern exceed the applicable SCGs for:

- soil
- soil vapor intrusion

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of the Decision Document.

There were no IRMs performed at this site during the RI.

6.3: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water. The RI report presents a detailed discussion of any existing and potential impacts from the site to fish and wildlife receptors.

Nature and Extent of Contamination:

Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, poly-chlorinated biphenyls (PCBs), and metals. Soil vapor was analyzed for VOCs.

Soil:
No VOCs were detected at concentrations exceeding the applicable Restricted-Residential Soil Cleanup Objectives (RRSCO). Several SVOCs were detected that are commonly found in fill material, including: benzo(a)anthracene was detected at concentrations up to 28 parts per million (ppm), which exceeds the RRSCO of 1 ppm; benzo(a)pyrene at a maximum concentration of 30 ppm (RRSCO is 1 ppm); benzo(b)fluoranthene at a maximum concentration of 33 ppm (RRSCO is 1 ppm); benzo(k)fluoranthene at a maximum concentration of 13 ppm (RRSCO is 3.9 ppm), chrysene at a maximum concentration of 29 ppm (RRSCO is 3.9 ppm); dibenzo(a,h)anthracene at a maximum concentration of 4.5 ppm (RRSCO is 0.33 ppm); and indeno(1,2,3-cd)pyrene at a maximum concentration of 21 ppm (RRSCO is 0.5 ppm). These exceedences were generally found in shallow soil at depths of 0-8 feet below grade. Low levels of mercury at a maximum concentration of 5.1 ppm (RRSCO is 0.81 ppm) and lead at a maximum concentration of 400 ppm (RRSCO is 400 ppm) were detected at depths of 0-8 ft. The investigation did not identify site related contaminants in off-site soil.

Groundwater:
Total and dissolved magnesium, total and dissolved selenium, and total and dissolved sodium were detected at concentrations above their respective AWQS values. These are common compounds of urban areas and are not considered to be site-related contaminants. No site-related contaminants exceed applicable standards in groundwater. The investigation did not identify off-site migration of contaminants in groundwater.

Soil Vapor:
PCE was detected in all four soil vapor samples at concentrations up to 136 micrograms per cubic meter (ug/m3). The investigation did not identify off-site migration of contaminants in soil vapor.

6.4: Summary of Human Exposure Pathways

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure.*

Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes, and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the soil vapor (air spaces within the soil) may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site-related contaminants due to soil vapor intrusion for any future on-site redevelopment and occupancy. Sampling indicates that soil vapor intrusion is not a concern for off-site structures.

6.5: Summary of the Remediation Objectives

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

The remedial action objectives for this site are:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

SECTION 7: ELEMENTS OF THE SELECTED REMEDY

The alternatives developed for the site and the evaluation of the remedial criteria are presented in the Alternative Analysis. The remedy is selected pursuant to the remedy selection criteria set forth in DER-10, Technical Guidance for Site Investigation and Remediation and 6 NYCRR Part 375.

The selected remedy is a Track 2: Restricted use with generic soil cleanup objectives remedy.

The selected remedy is referred to as the Excavation remedy.

The elements of the selected remedy, as shown in Figures 2 and 3, are as follows:

1. Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows;

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals; and
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development.
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings will include, at a minimum, a 20-mil vapor barrier/waterproofing membrane on the foundation to improve energy efficiency as an element of construction.

2. Excavation

Excavation and off-site disposal of all on-site soils which exceed restricted-residential SCOs, as defined by 6 NYCRR Part 375-6.8, in the upper 15 feet. If a Track 2 restricted residential cleanup is achieved, a Cover System will not be a required element of the remedy.

Approximately 8,500 cubic yards of contaminated soil will be removed from the site.

Excavation and removal of any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination if encountered.

3. Backfill

Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the site.

4. Institutional Control

Imposition of an institutional control in the form of environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and
- require compliance with the Department approved Site Management Plan.

5. Site Management Plan

A Site Management Plan is required, which includes the following:

a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:
   - Institutional Controls: The Environmental Easement discussed in Paragraph 4.
   - Engineering Controls: The Cover System discussed in Paragraph 6.

   This plan includes, but may not be limited to:
   - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
   - descriptions of the provisions of the environmental easement including any land use, and groundwater or surface water use restrictions;
   - a provision for evaluation of the potential for soil vapor intrusion for any buildings developed on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
   - a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 6 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
   - provisions for the management and inspection of the identified engineering controls;
   - maintaining site access controls and Department notification; and
   - the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
   - monitoring of the cover system to assess the performance and effectiveness of the remedy;

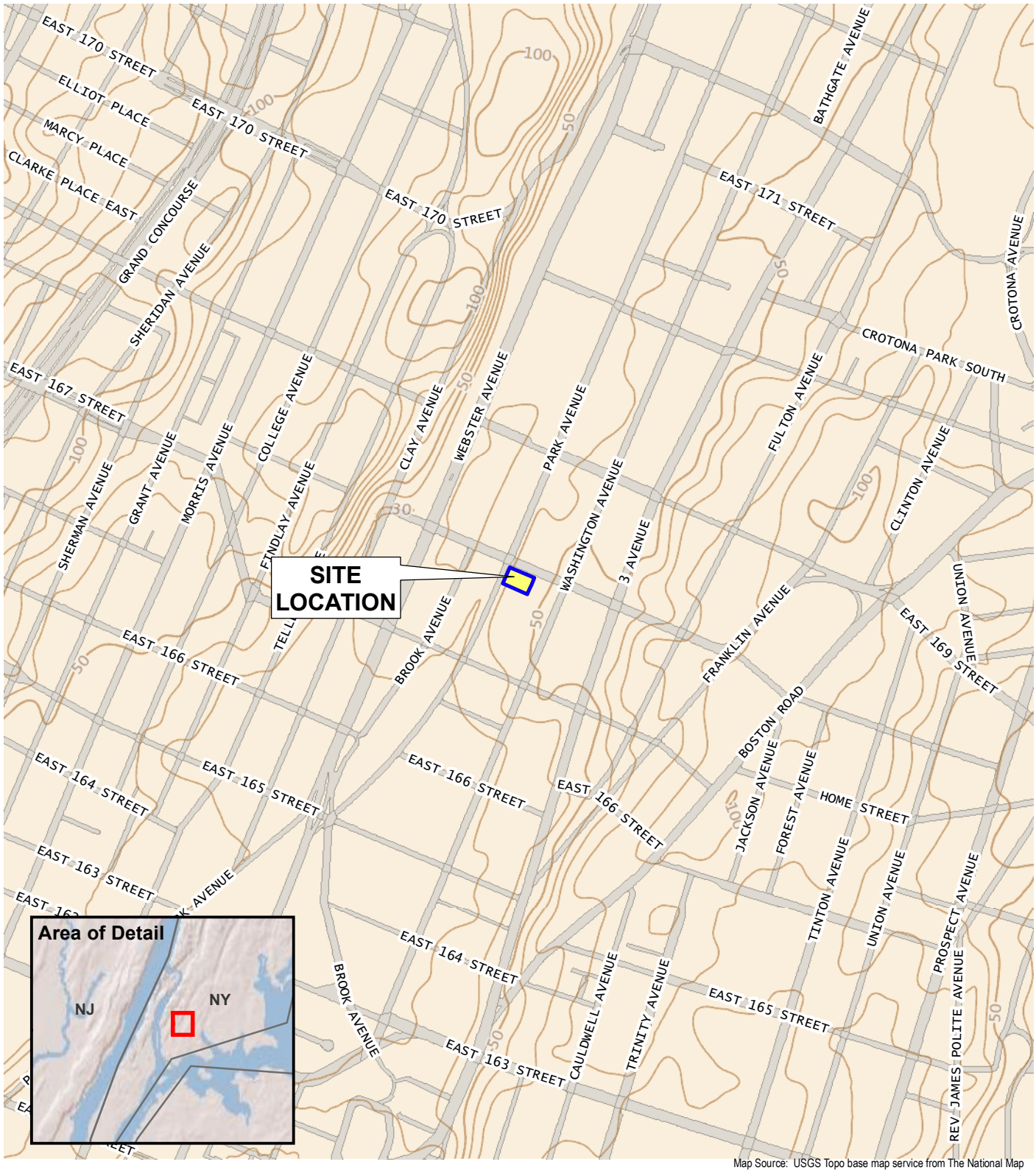
- a schedule of monitoring and frequency of submittals to the Department; and
- monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.

Contingency: Track 4

In the event that Track 2 restricted residential use is not achieved, including achievement of groundwater and/or soil vapor remedial objectives, the following contingent remedial elements will be required and the remedy will achieve a Track 4 restricted residential cleanup at a minimum, and will include imposition of a site cover (as a contingency if soil greater than 2 feet but less than 15 feet deep does not meet the restricted residential SCOs) as described below.

6. Cover System

If a Track 2 cleanup is not achieved, a Track 4 remedy will include a site cover. A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.



Map Source: USGS Topo base map service from The National Map

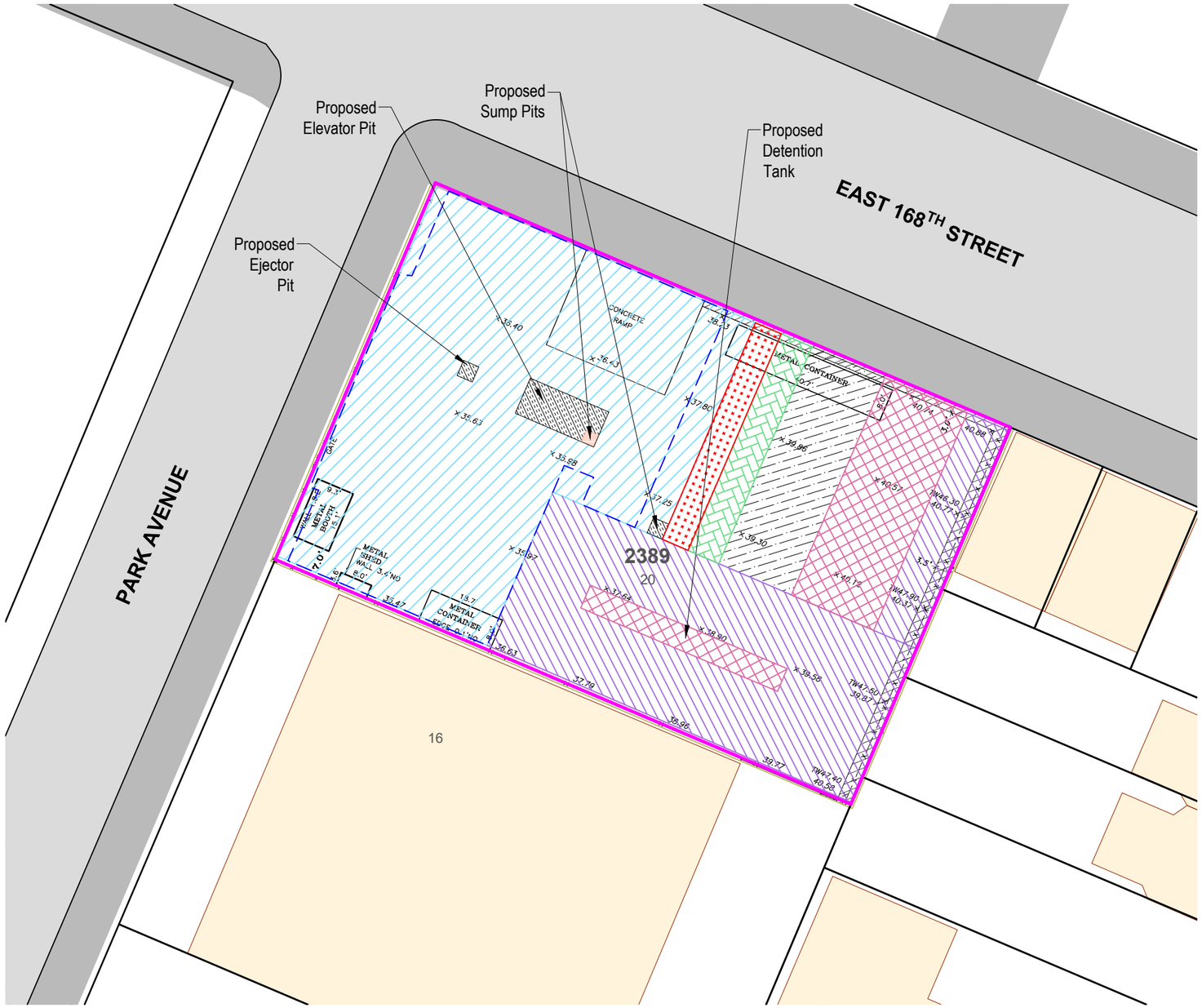
0 800 1,600

SCALE IN FEET

3500 Park Avenue
Bronx, New York

SITE LOCATION

FIGURE
1



LEGEND

- PROJECT SITE BOUNDARY
- PROPOSED CELLAR FOOTPRINT
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — TAX BLOCK NUMBER
- BUILDING
- x 40.12 — EXISTING GRADE ELEVATIONS
- POTENTIAL DEEPER EXCAVATION FOR ELEVATOR, EJECTOR, AND SUMP PITS
- EXCAVATION TO APPROXIMATELY 14' - 15' BELOW GRADE
- EXCAVATION TO APPROXIMATELY 13' - 15' BELOW GRADE
- EXCAVATION TO APPROXIMATELY 11' - 15' BELOW GRADE
- EXCAVATION TO APPROXIMATELY 9' - 15' BELOW GRADE
- EXCAVATION TO APPROXIMATELY 7' - 15' BELOW GRADE
- EXCAVATION TO APPROXIMATELY 5' - 15' BELOW GRADE
- EXCAVATION TO APPROXIMATELY 3' - 15' BELOW GRADE

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database.

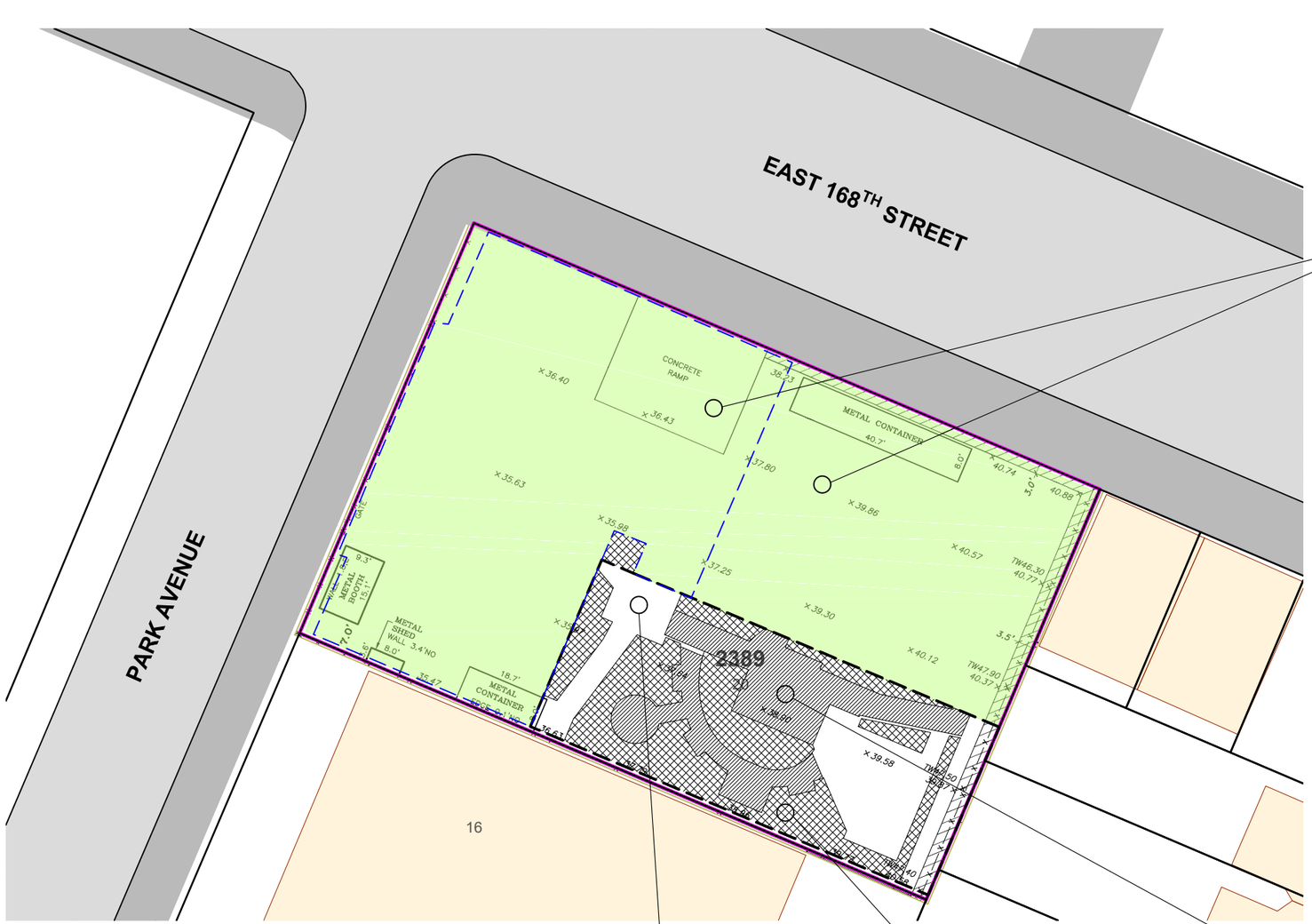
Survey Source:
1. Elevations Are Based Upon North American Vertical Datum (NAVD) of 1988.
2. Elevations and Locations surveyed by Leonard J Strandberg and Assoc, P.C., Block 2389, Lot 20, Feb 2017.

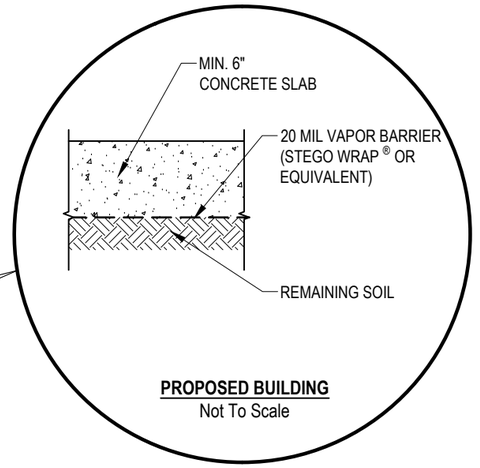
0 15 30 60
SCALE IN FEET

3500 Park Avenue
Bronx, New York

PROPOSED REMEDIAL EXCAVATION PLAN

FIGURE
2

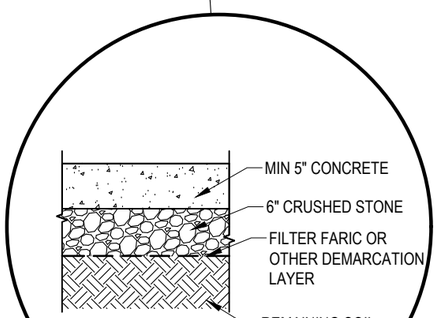




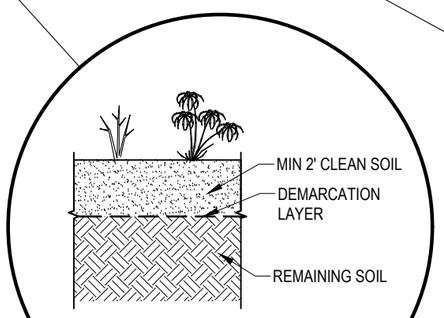
PROPOSED BUILDING
Not To Scale

LEGEND

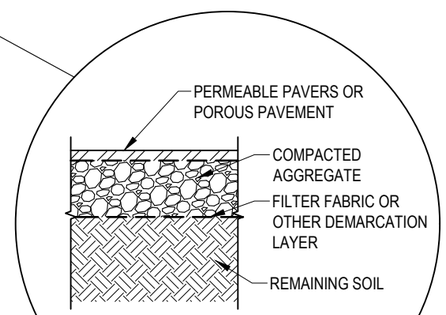
- PROJECT SITE BOUNDARY
- PROPOSED CELLAR FOOTPRINT
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — TAX BLOCK NUMBER
- BUILDING
- X 40.12 — EXISTING GRADE ELEVATIONS
- PROPOSED BUILDING
- PROPOSED REAR COURTYARD
- PROPOSED PERMEABLE SURFACE
- PROPOSED IMPERMEABLE PAVEMENT
- PROPOSED LANDSCAPED AREAS/PLANTING BEDS



PROPOSED IMPERMEABLE PAVEMENT
Not To Scale



PROPOSED LANDSCAPED AREAS/PLANTING BEDS
Not To Scale



PROPOSED PERMEABLE SURFACE
Not To Scale

0 15 30 60
SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database.

Survey Source:
1. Elevations Are Based Upon North American Vertical Datum (NAVD) of 1988.
2. Elevations and Locations surveyed by Leonard J Strandberg and Assoc, P.C., Block 2389, Lot 20, Feb 2017.

3500 Park Avenue
Bronx, New York

COMPOSITE COVER SYSTEM PLAN

FIGURE
3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

NOTICE OF VIOLATION

February 5, 2019

Carole Gordon
3500 Park Apts. Housing Development Fund Company, Inc.
290 Lenox Avenue
New York, NY 10027

Shane Meehan
Moncon Construction Inc.
31 South Street, Suite 2N-4
Mount Vernon, NY 10550

Deborah Shapiro
AKRF, Inc.
440 Park Avenue South
New York, NY 10016

Re: 3500 Park Avenue Apartments
Brownfield Cleanup Program Site No. C203096
Notice of Violation

Dear Ms. Gordon, Mr. Meehan, and Ms. Shapiro:

This letter is sent to notify 3500 Park Apts. Housing Development Fund Company, Inc. (the "Applicant"), Moncon Construction Inc. (the "contractor"), and AKRF, Inc. (the "consultant") that the following actions and omissions at the Site constitute violations of the New York State Environmental Conservation Law ("ECL") and the regulations promulgated thereto, potentially subjecting 3500 Park Apts. Housing Development Fund Company, Inc., Moncon Construction Inc., and AKRF, Inc. to enforcement by the New York State Department of Environmental Conservation (the "Department"). These actions and omissions are detailed below.

On December 18, 2018 the contractor imported approximately 50 cubic yards of material to the site. The consultant observed that the material contained greater than 10% fines and advised the contractor not to use the material for backfill without further chemical testing to ensure the material complied with the restricted residential soil cleanup objectives (RRSCOs) established in the Remedial Action Work Plan (RAWP) and in the regulations at 6NYCRR Part 375-6.7(d) and 375-6.8(b). The contractor did not conduct testing as requested and placed the material in the Track 2 cleanup portion

of the site. On January 2, 2019, the consultant submitted to the Department a Request to Import/Reuse Fill, including a diagram showing the placement of questionable material and analytical data from samples collected by the consultant on December 20 indicating that the material exceeded the RRSCOs. The reporting protocol in the RAWP was not invoked and the Department was not informed until January 2, 2019.

In addition, the consultant continues to submit late daily reports despite frequent reminders from the Department in violation of the RAWP.

Violations

a. Applicant, contractor, and consultant violated 6 NYCRR 375-1.6()(1)(i) by failing to implement the approved RAWP.
b. Applicant, contractor, and consultant violated 6 NYCRR 375-1.11(b)(2)(i) by engaging in an activity that interferes significantly with an ongoing remedial program.

Pursuant to ECL § 71-2705, any person who violates any of the provisions of, or who fails to perform any duty imposed by Article 27, Title 14 or any rule or regulation promulgated thereto, shall be liable for penalties of up to $37,500 per day per violation. The Department requests the Applicant to remove the material from the Track 2 portion of the site. Failure to remove the material may result in the site achieving contingent remedial elements for a Track 4: Restricted Residential remedy.

An administrative settlement conference has been set for **March 1, 2019 at 1:00 PM** in the Region 2 Office located at 47-40 21st Street, Long Island City, New York. If you do not attend the settlement conference, Department General Counsel staff may institute a formal civil or administrative enforcement proceeding. You will be meeting with an attorney from the Department to discuss settlement and you may bring your own attorney to the settlement conference.

BE ON NOTICE THAT the implementation of remediation activities or the correction of violations at the Site in no way affects the rights of NYSDEC to seek penalties and other relief in accordance with the New York State Navigation Law and the New York State Environmental Conservation Law and the rules and regulations promulgated pursuant thereto.

Please call Rachel Seebacher, Assistant Counsel, Office of General Counsel at (718) 482-6471 within seven days of the date of this letter to discuss settlement of the aforementioned violations. If you have any technical questions regarding this matter, please call Wendi Zheng at (718) 482-7541.

Sincerely,

Jane H. O'Connell
Chief, Superfund & Brownfield Cleanup Section

ec: G. Burke, S. Martinkat, W. Zheng, R. Seebacher – NYSDEC
K. Sherman, Esq. – Sherman Law
M. Jepsen – AKRF

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

February 26, 2019

Carole Gordon
3500 Park Apts. Housing Development Fund Company, Inc.
290 Lenox Avenue
New York, NY 10027

Re: 3500 Park Avenue Apartments
3500 Park Avenue, Bronx, Bronx County
Brownfield Cleanup Program # C203096
Corrective Action Work Plan

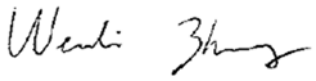
Dear Ms. Gordon:

The New York State Department of Environmental Conservation (NYSDEC) has completed its review of the Corrective Action Work Plan (CAWP) dated February 2019 which was prepared by AKRF, Inc. on behalf of 3500 Park Apts. Housing Development Fund Company, Inc. (the Volunteer). The CAWP was submitted to NYSDEC under the Brownfield Cleanup Program and in response to the Notice of Violation issued on February 5, 2019. NYSDEC has determined that the CAWP is adequate and is hereby approved for implementation. Please ensure that a copy of the approved CAWP is placed in the document repositories along with this letter.

The Volunteer and its contractors are solely responsible for safe execution of all invasive and other field work performed under this CAWP. The Volunteer and its contractors must obtain all local, state, and/or federal permits or approvals that may be required to perform work under this CAWP. Further, the Volunteer and its contractors are solely responsible for the identification of utilities that might be affected by work under this CAWP and, implementation of all required, appropriate, or necessary health and safety measures during performance of work under this CAWP.

Results of the CAWP implementation must be documented in the Final Engineering Report prepared for the site. Please notify NYSDEC at least 7 days prior to commencing any field work related to the approved CAWP. Should you have any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Regards,



Wendi Zheng
Project Manager

cc: Jane O'Connell, Sondra Martinkat, Rachel Seebacher – NYSDEC
Deborah Shapiro, Mark Jepsen – AKRF
Despina Poulidou – Mega Contracting Group, LLC
Shane Meehan – Moncon Construction Inc.
George Duke – Brown Duke & Fogel, P.C.
Karen Sherman – ShermanLaw

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

July 30, 2019

Carole Gordon
3500 Park Apts. Housing Development Fund Company, Inc.
290 Lenox Avenue
New York, NY 10027

Re: 3500 Park Avenue Apartments
3500 Park Avenue, Bronx, Bronx County
Brownfield Cleanup Program # C203096
Request to Import/Reuse Fill or Soil

Dear Ms. Gordon:

The Department has reviewed the request dated July 25, 2019 to import approximately 500 cubic yards of fill material from 284 Aggregares, LLC located at 10 NJ-284 Sussex in New Jersey. Based on the information provided, the request is hereby approved.

The proposed fill material meets the Restricted Residential and groundwater protection soil cleanup objectives (SCOs) (Appendix 5 of DER-10). Therefore, this material may be placed below the demarcation layer or above the demarcation layer as part of final site cover.

Testing in accordance with DER-10 and the Remedial Design Work Plan and approval by the Department is required for any additional material imported from this source. Should you have any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

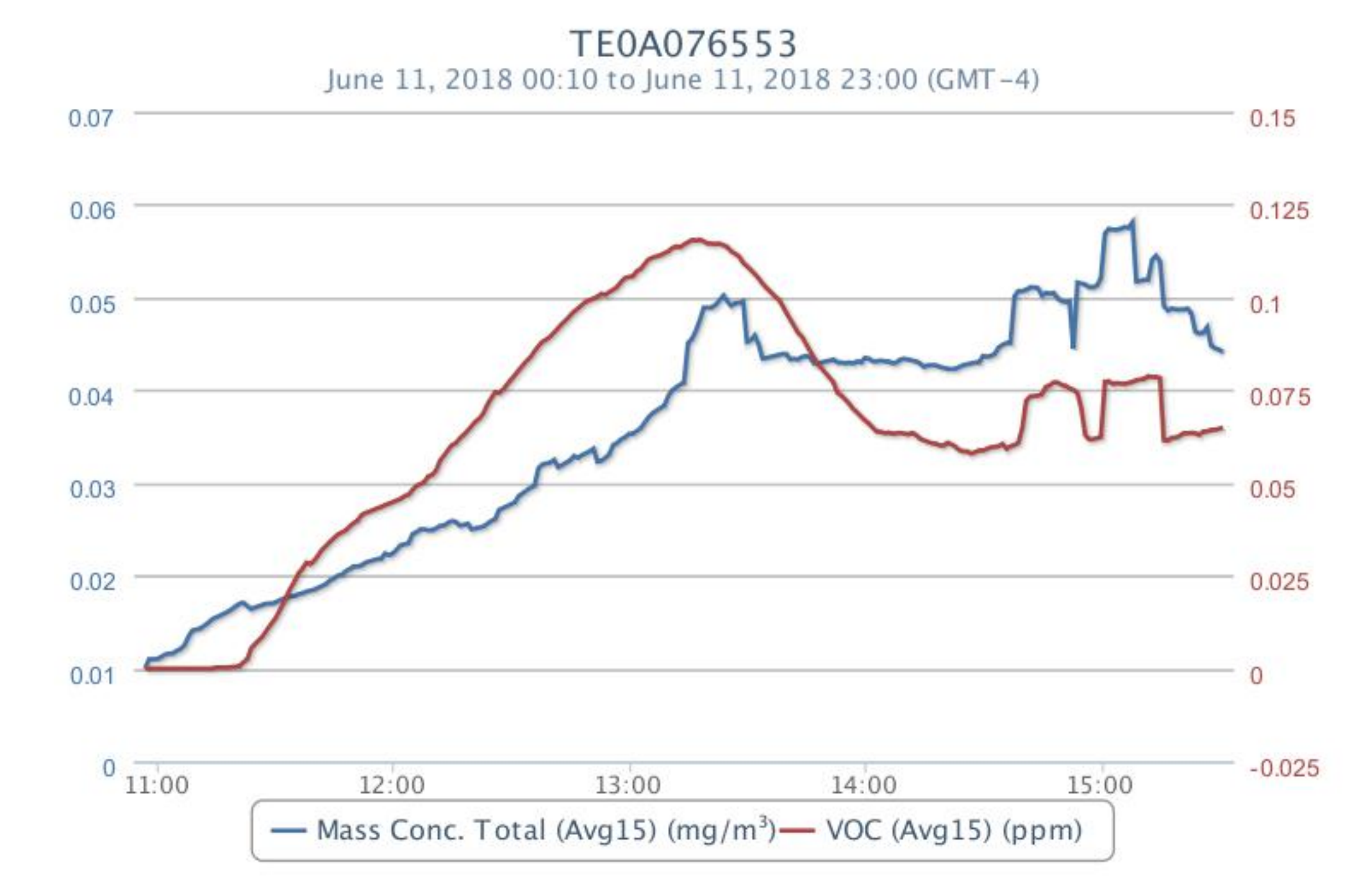
Regards,

Wendi Zheng
Project Manager

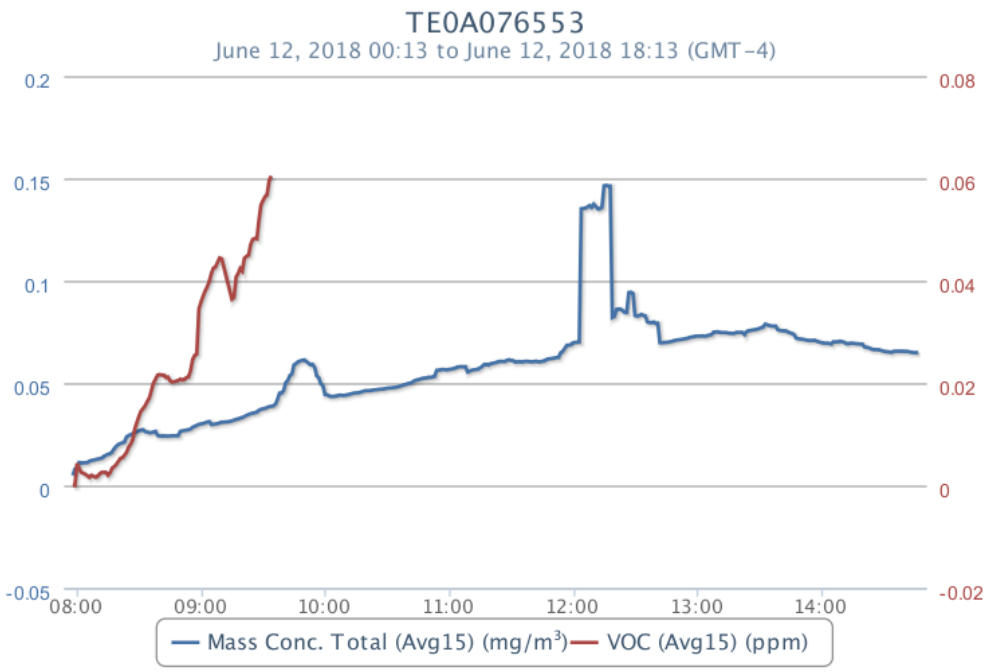
cc: J. O'Connell, S. Martinkat, R. Seebacher – NYSDEC
J. Nealon, J. Deming – NYSDOH
D. Shapiro, M. Jepsen – AKRF
K. Sherman – ShermanLaw

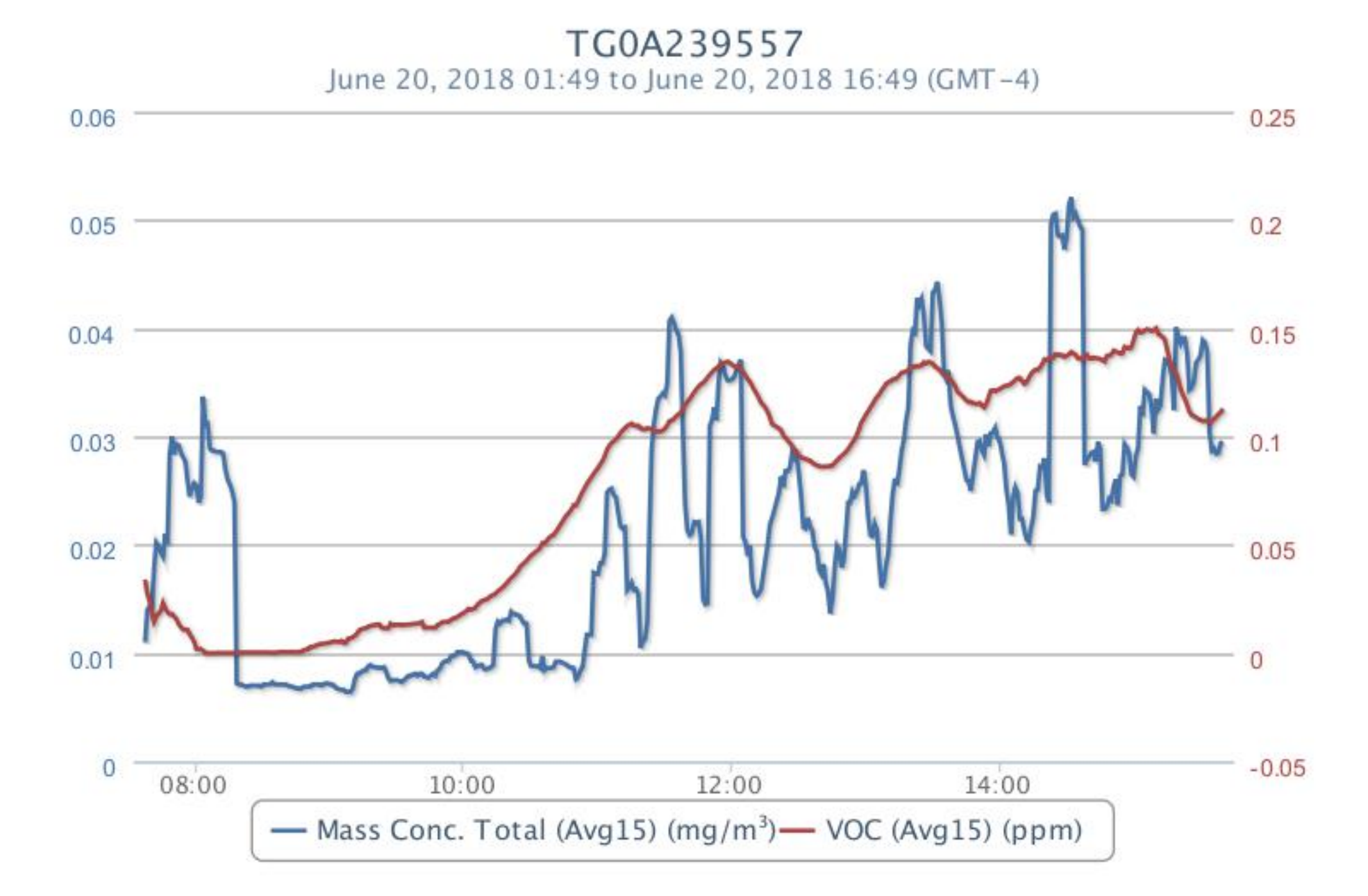
APPENDIX D

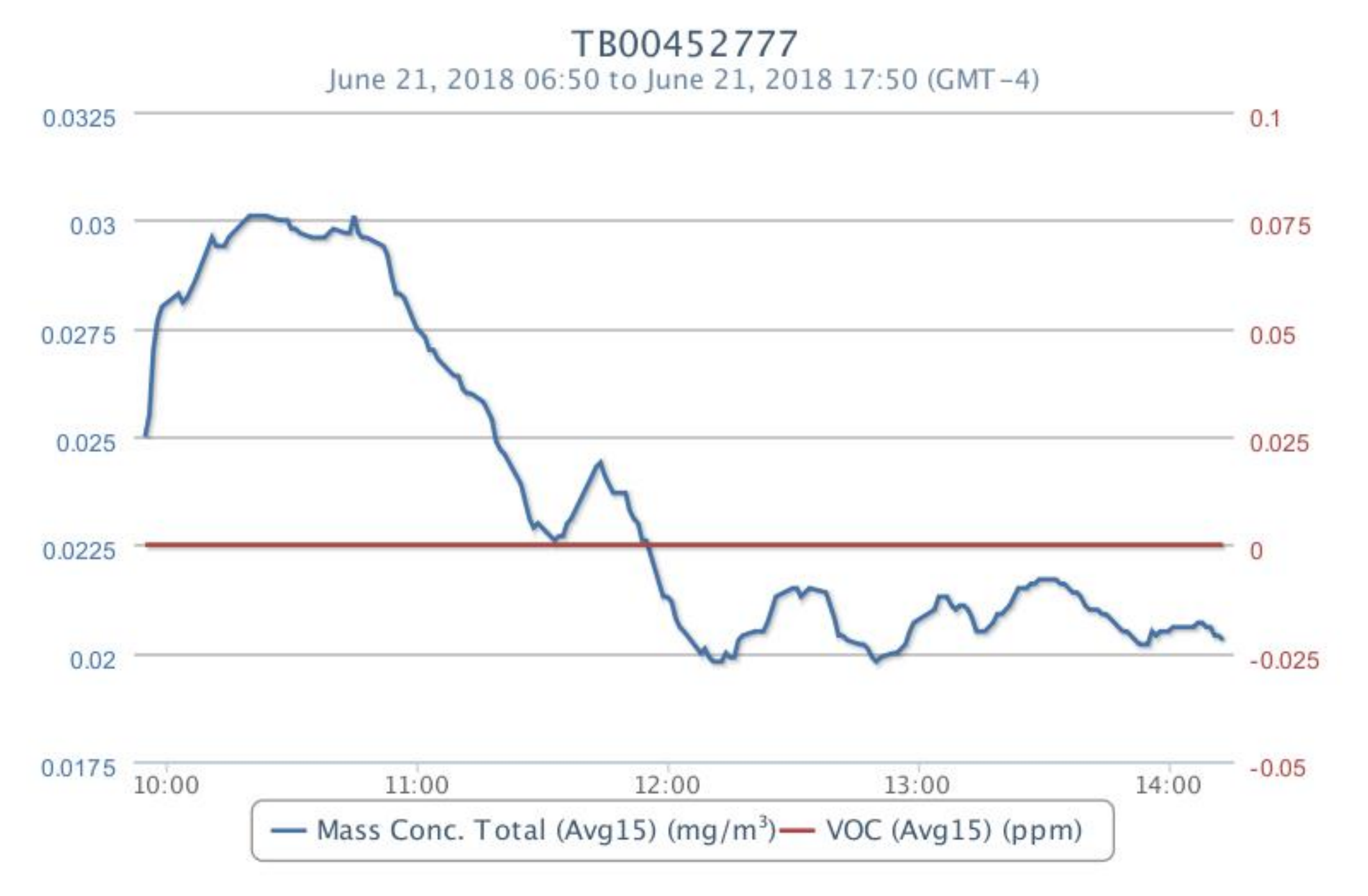
CAMP FIELD SHEETS AND DATA (CD)


TE0A076553
June 11, 2018 00:10 to June 11, 2018 23:00 (GMT-4)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
11:00
12:00
13:00
14:00
15:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

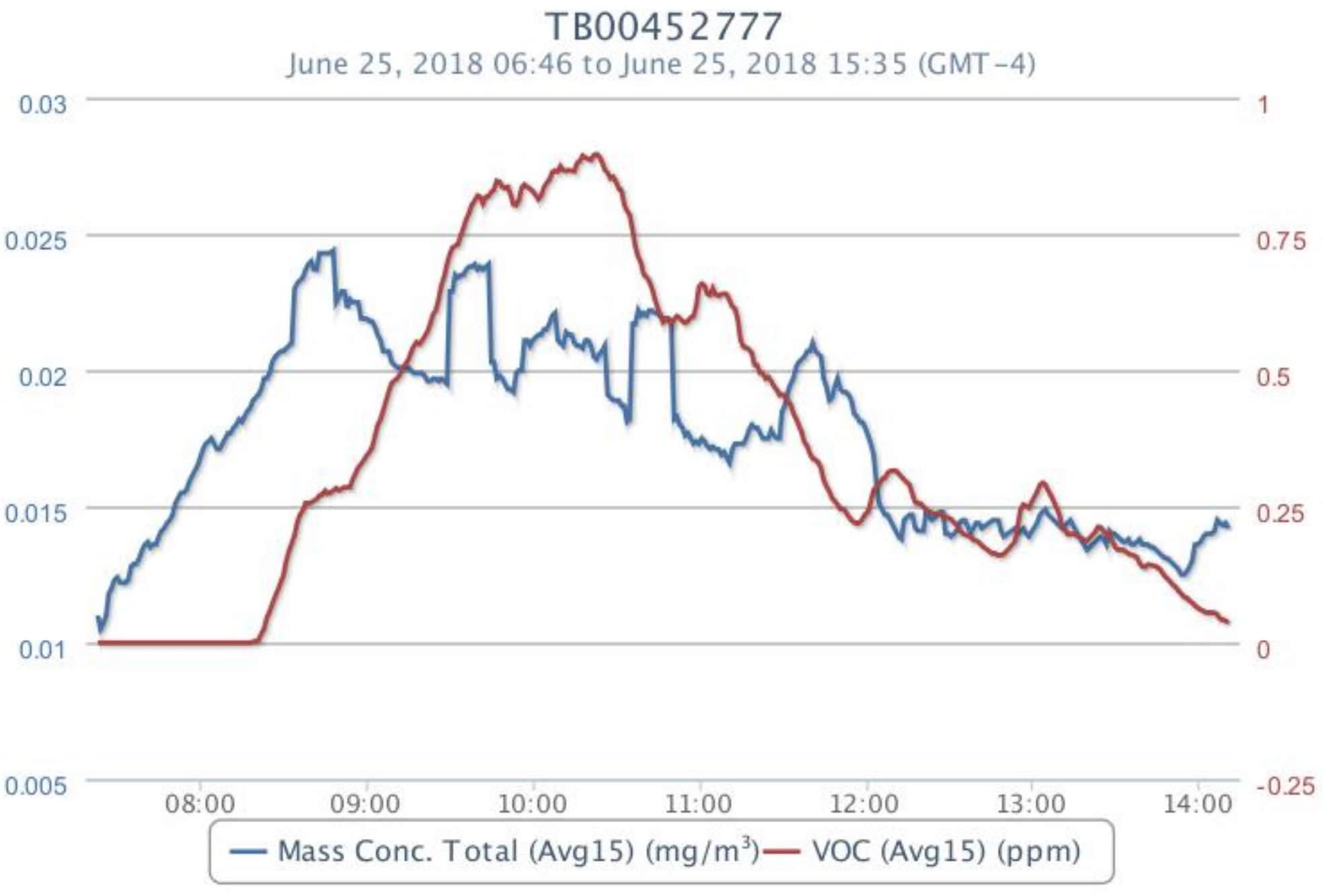
3500 Park Avenue CAMP Station #1 Data

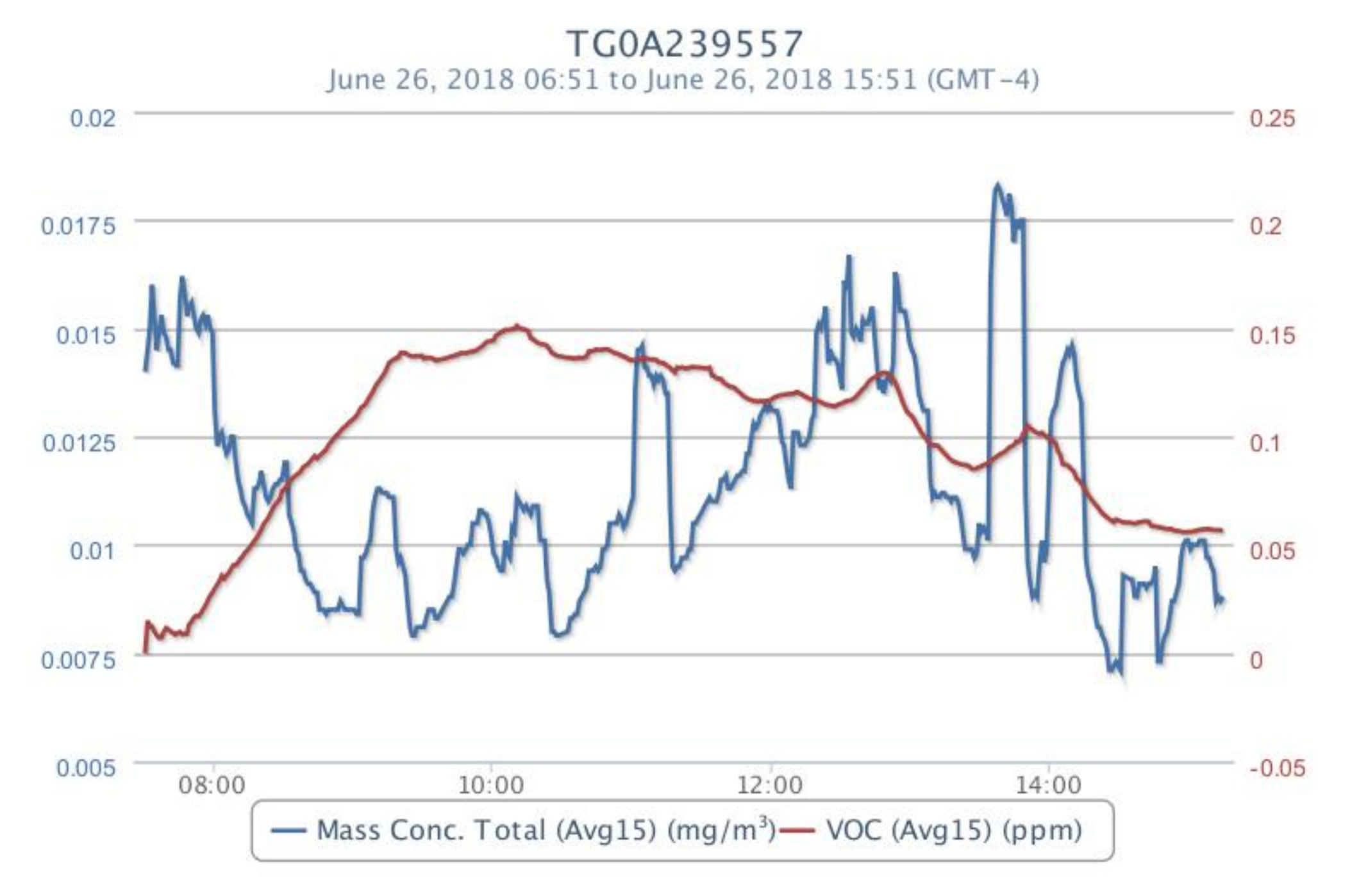


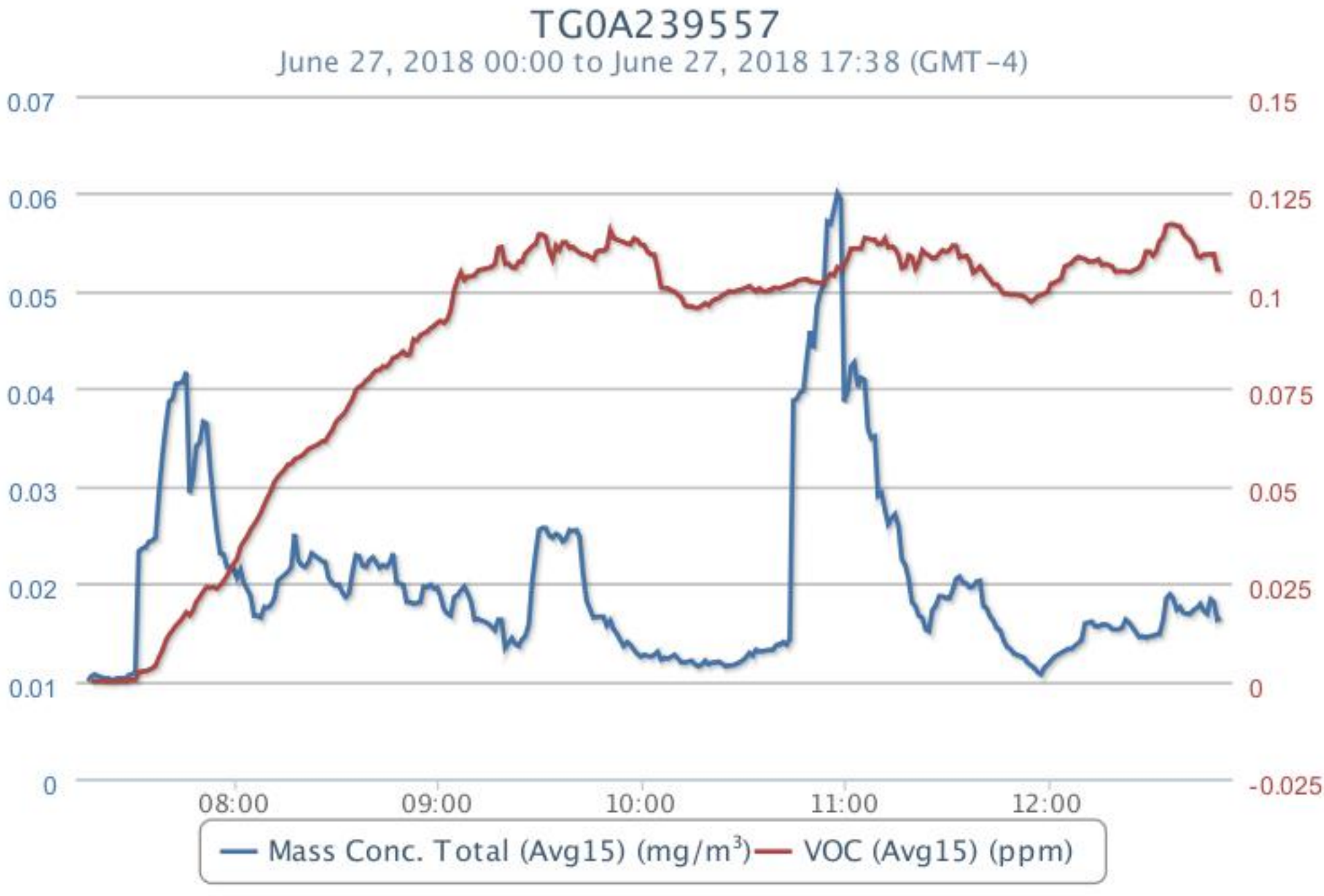

TG0A239557
June 20, 2018 01:49 to June 20, 2018 16:49 (GMT-4)
0.06
0.05
0.04
0.03
0.02
0.01
0
0.25
0.2
0.15
0.1
0.05
0
-0.05
08:00
10:00
12:00
14:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TB00452777
June 21, 2018 06:50 to June 21, 2018 17:50 (GMT-4)
0.0325
0.03
0.0275
0.025
0.0225
0.02
0.0175
0.1
0.075
0.05
0.025
0
-0.025
-0.05
10:00
11:00
12:00
13:00
14:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

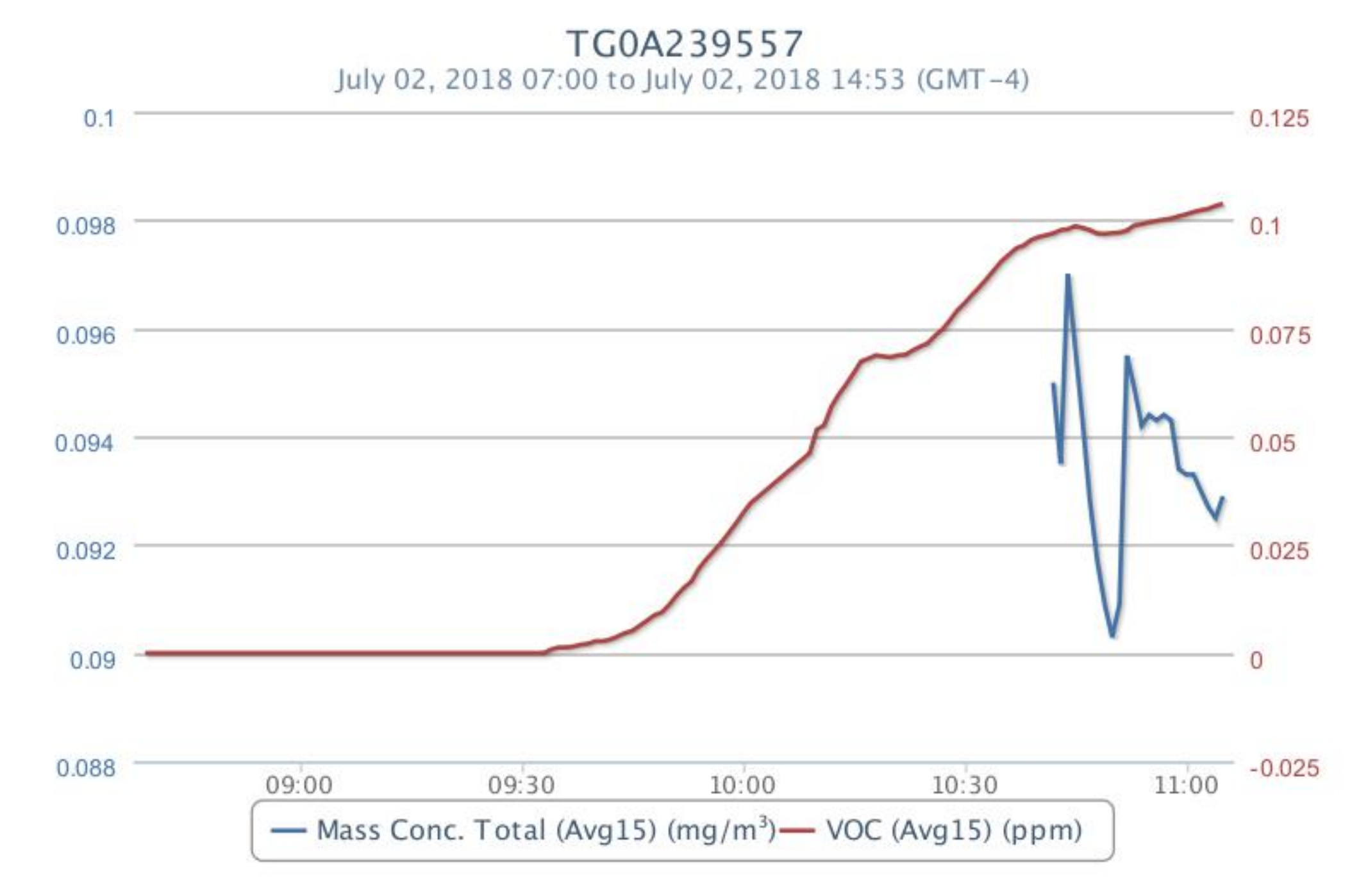

TG0A239557
June 22, 2018 07:00 to June 22, 2018 14:30 (GMT-4)
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0.125
0.1
0.075
0.05
0.025
0
-0.025
08:00
09:00
10:00
11:00
12:00
13:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

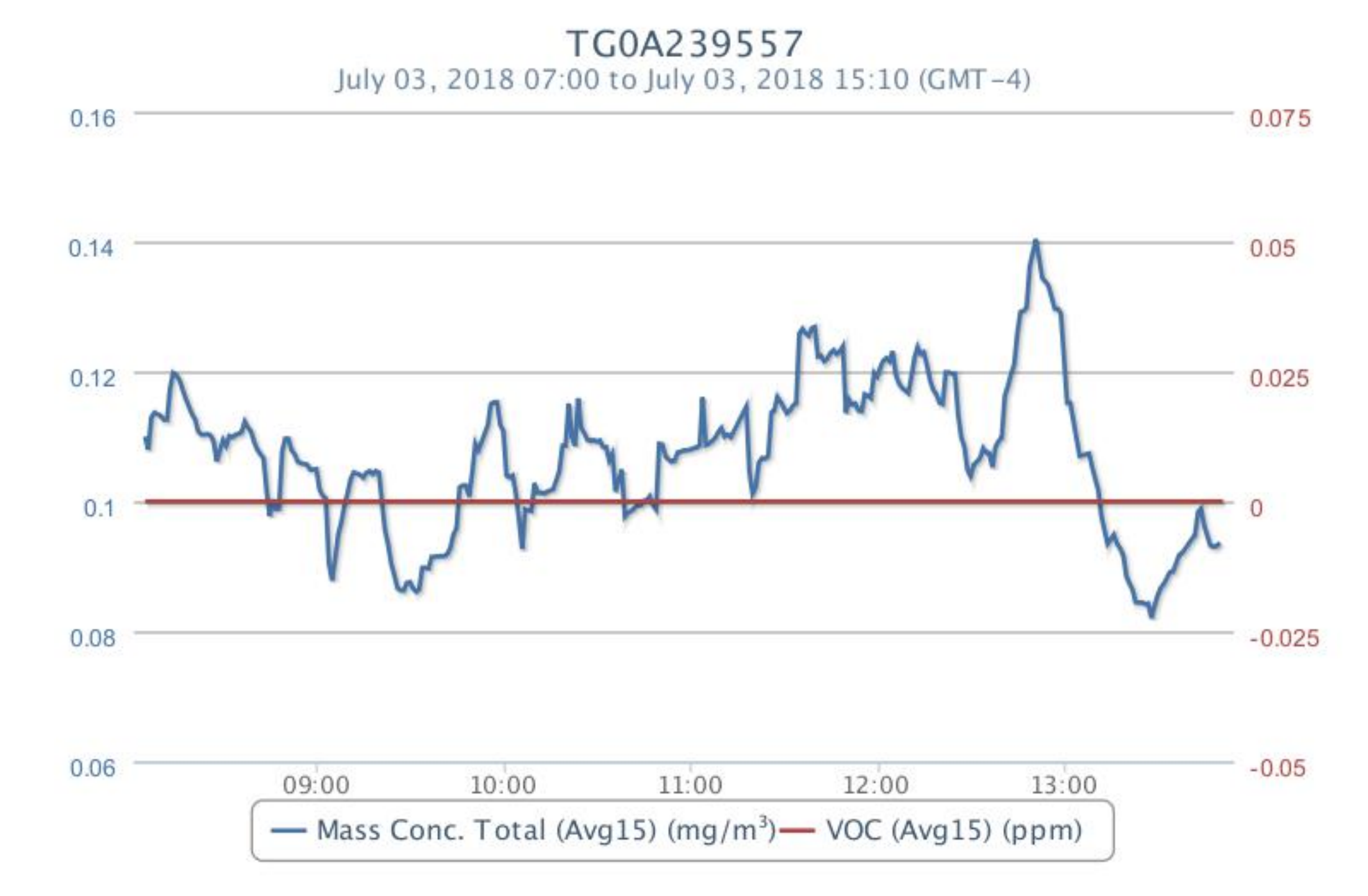

TB00452777
June 25, 2018 06:46 to June 25, 2018 15:35 (GMT-4)
0.03
0.025
0.02
0.015
0.01
0.005
1
0.75
0.5
0.25
0
-0.25
08:00
09:00
10:00
11:00
12:00
13:00
14:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A239557
June 26, 2018 06:51 to June 26, 2018 15:51 (GMT-4)
0.02
0.0175
0.015
0.0125
0.01
0.0075
0.005
0.25
0.2
0.15
0.1
0.05
0
-0.05
08:00
10:00
12:00
14:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

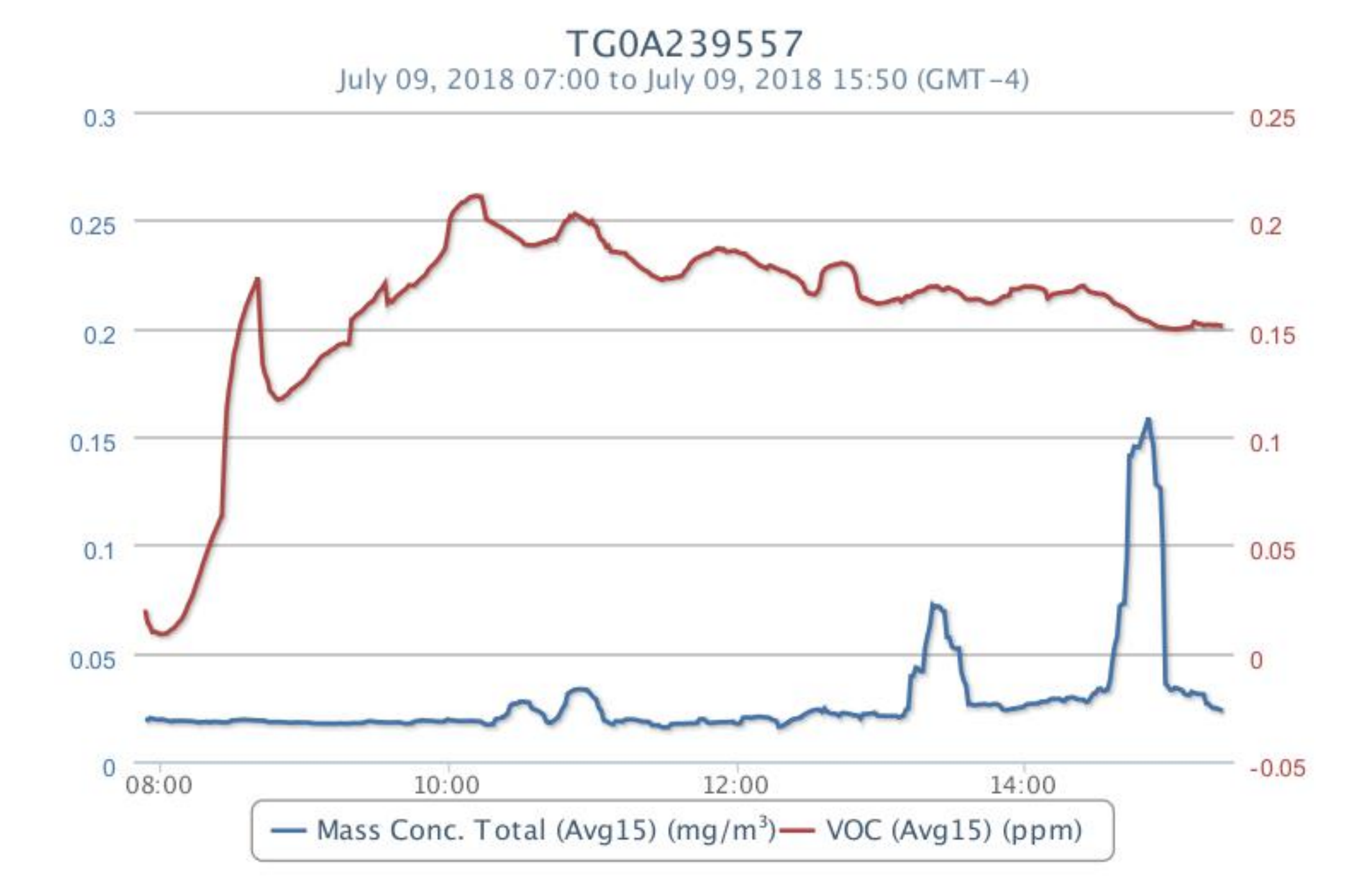

TG0A239557
June 27, 2018 00:00 to June 27, 2018 17:38 (GMT-4)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
08:00
09:00
10:00
11:00
12:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

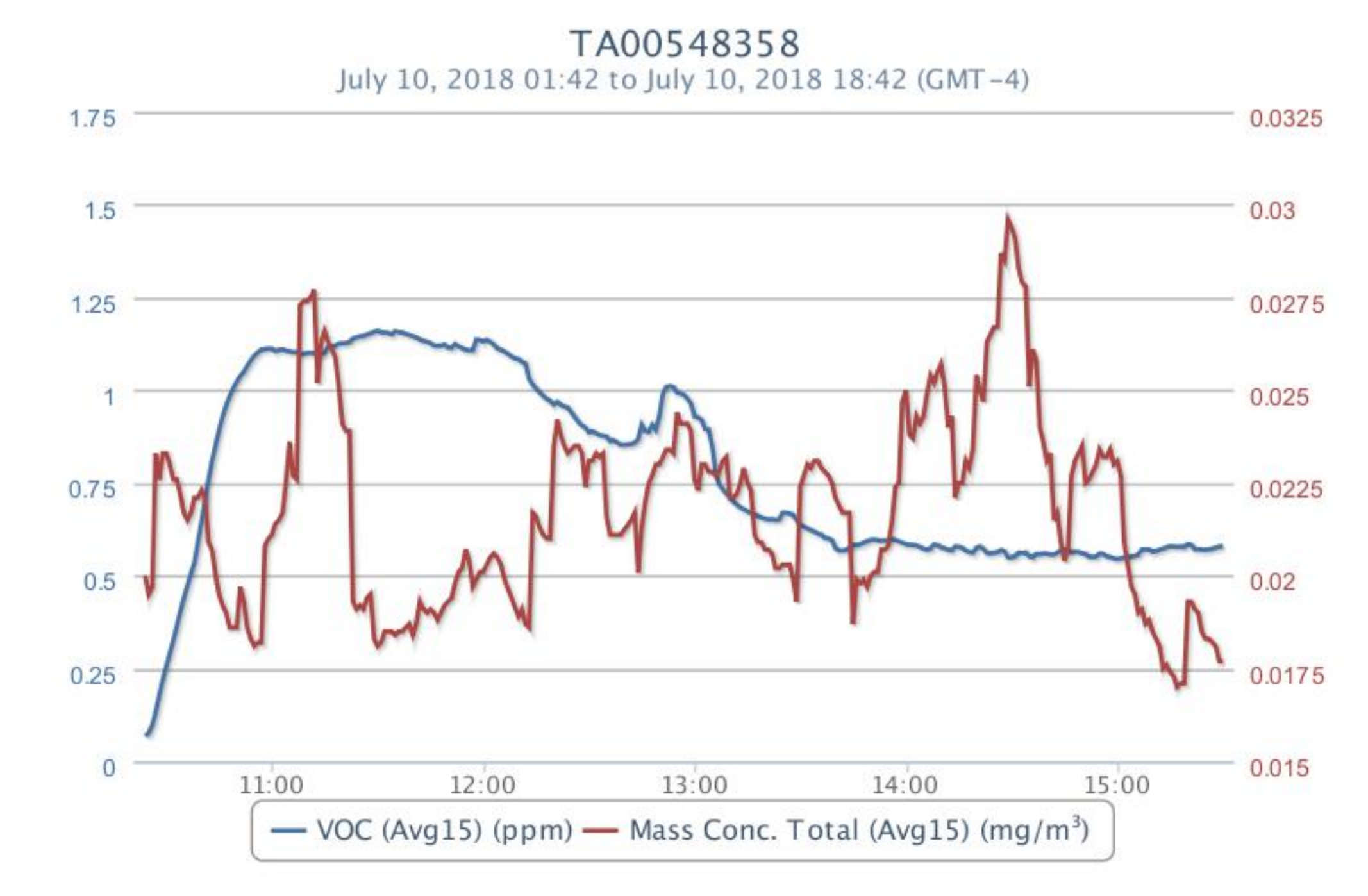

TG0A239557
June 29, 2018 03:36 to June 29, 2018 21:36 (GMT-4)
0.08
0.06
0.04
0.02
0
-0.02
10:00
11:00
12:00
13:00
14:00
15:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

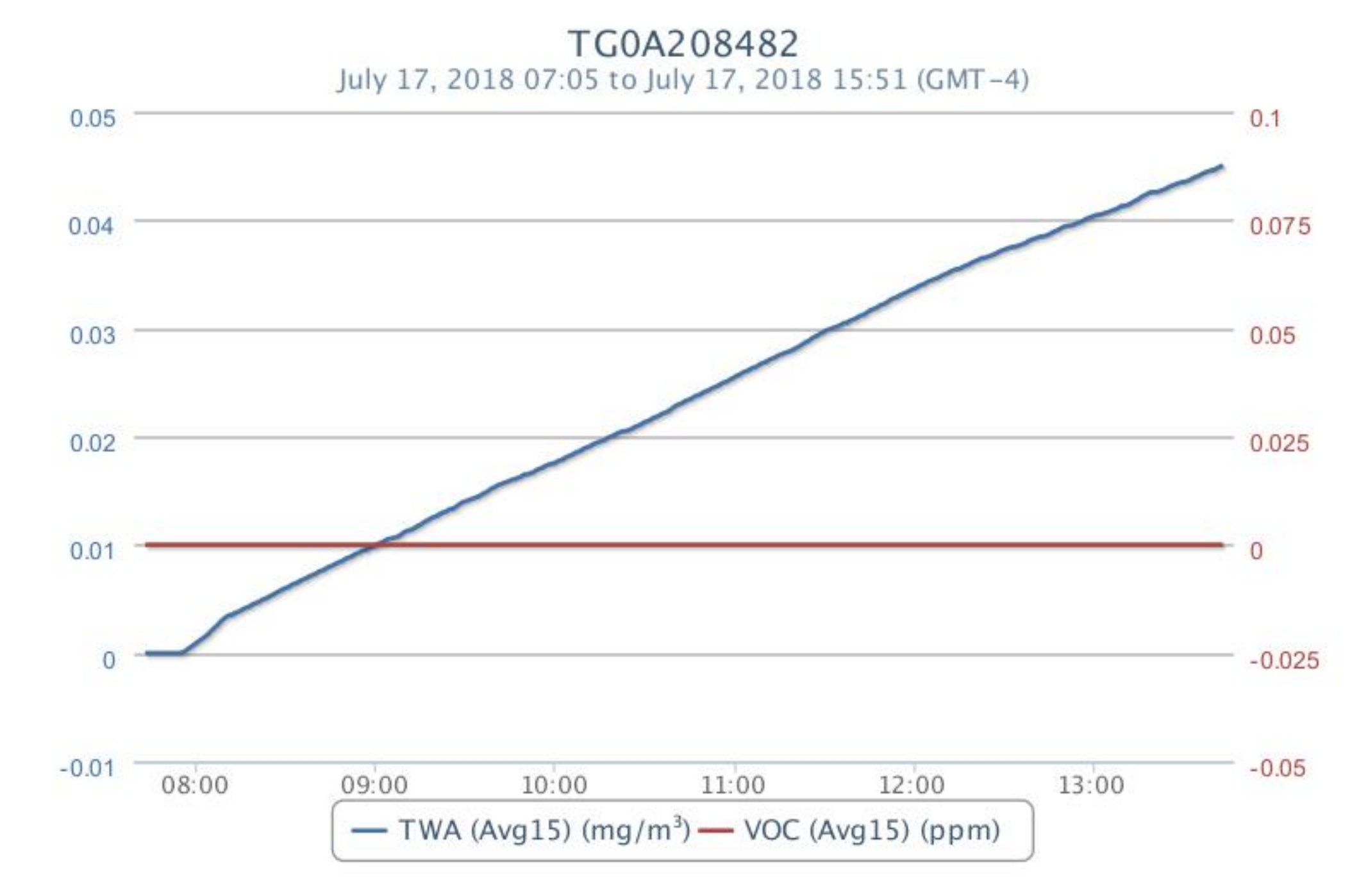

TG0A239557
July 02, 2018 07:00 to July 02, 2018 14:53 (GMT-4)
0.1
0.098
0.096
0.094
0.092
0.09
0.088
0.125
0.1
0.075
0.05
0.025
0
-0.025
09:00
09:30
10:00
10:30
11:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

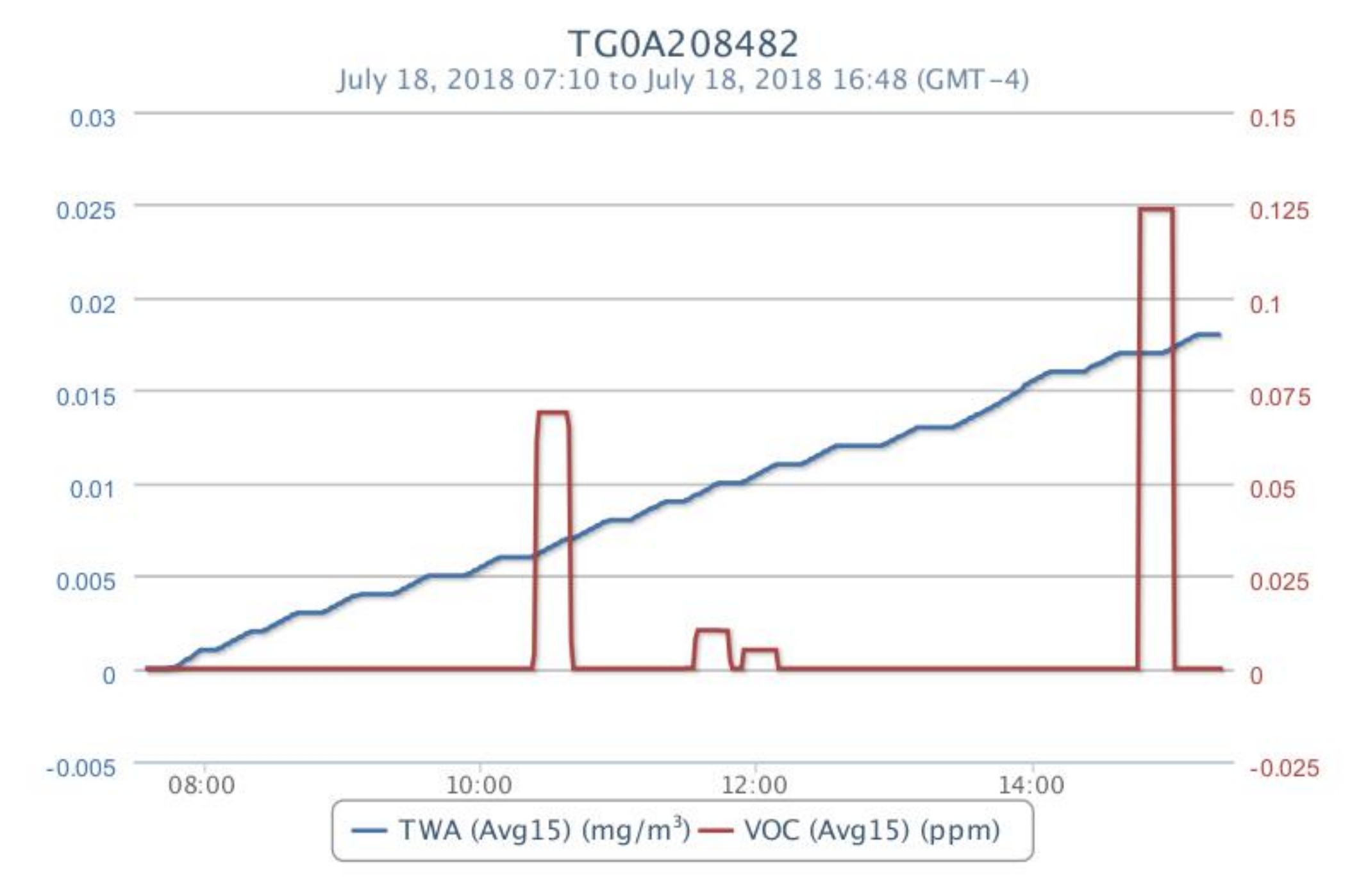

TG0A239557
July 03, 2018 07:00 to July 03, 2018 15:10 (GMT-4)
0.16
0.14
0.12
0.1
0.08
0.06
0.075
0.05
0.025
0
-0.025
-0.05
09:00
10:00
11:00
12:00
13:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

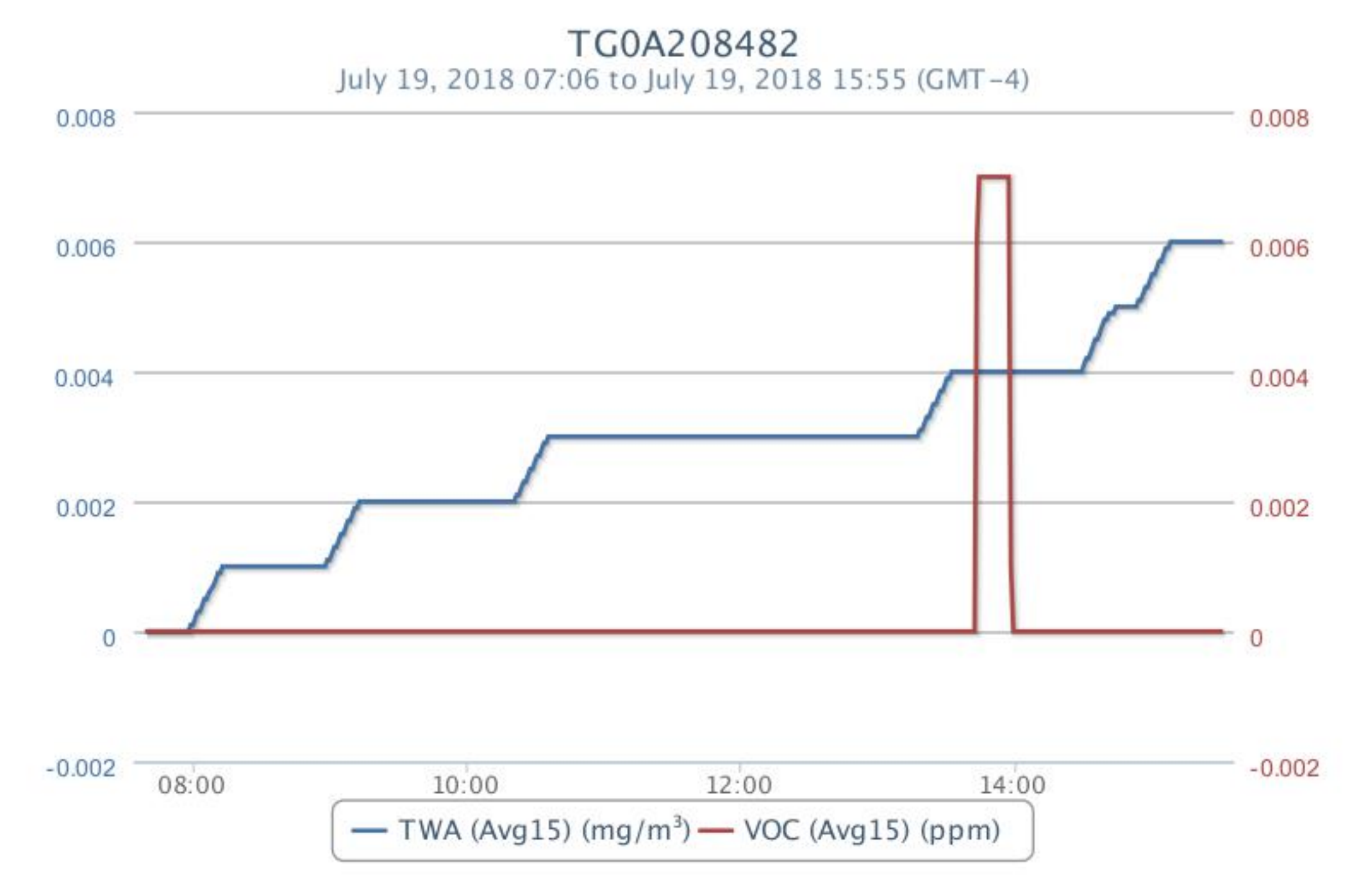

TG0A239557
July 05, 2018 07:00 to July 05, 2018 16:11 (GMT-4)
0.1
0.08
0.06
0.04
0.02
0
8000
6000
4000
2000
0
-2000
13:00
13:30
14:00
14:30
15:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

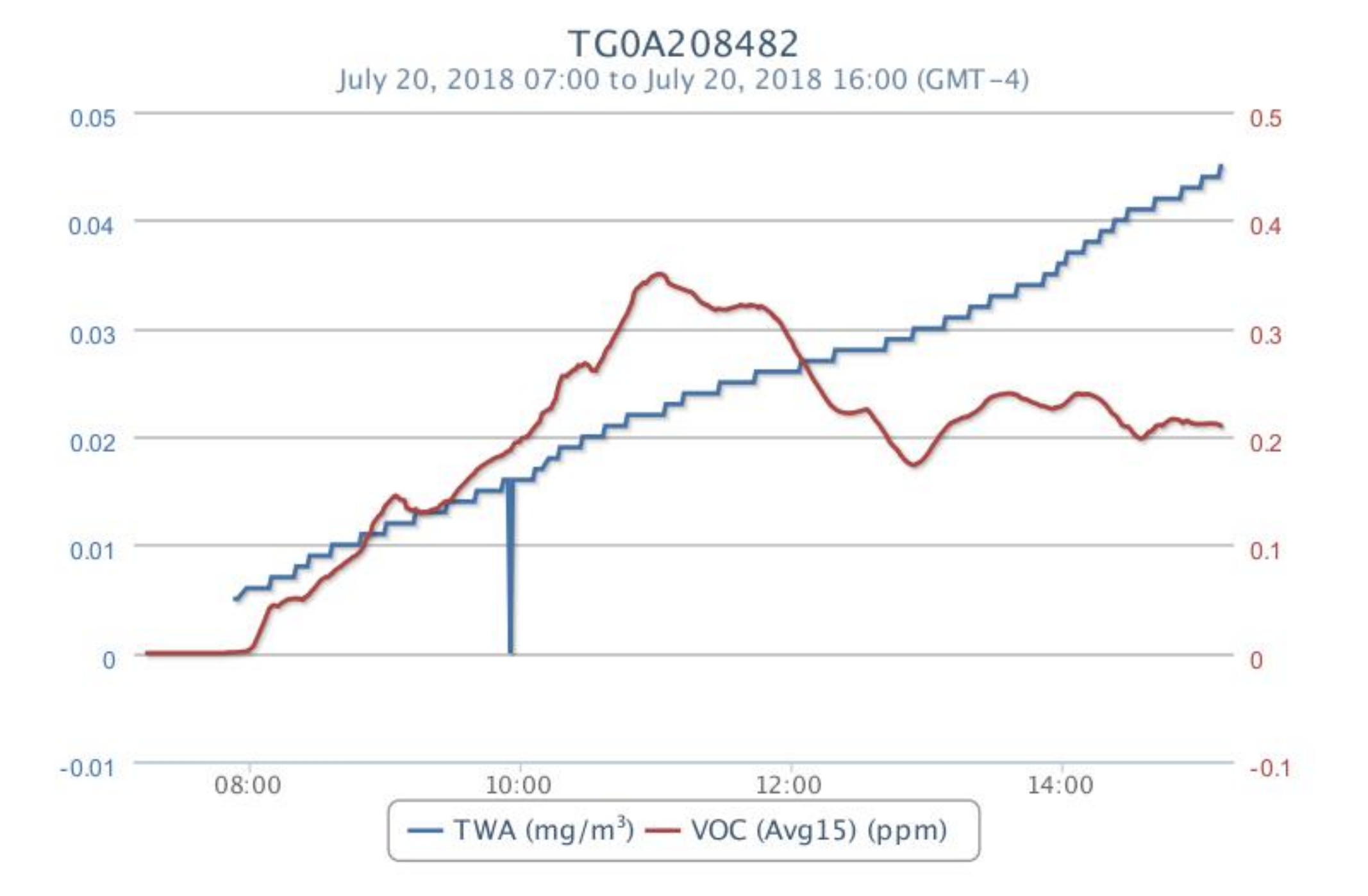

TG0A239557
July 09, 2018 07:00 to July 09, 2018 15:50 (GMT-4)
0.3
0.25
0.2
0.15
0.1
0.05
0
0.25
0.2
0.15
0.1
0.05
0
-0.05
08:00
10:00
12:00
14:00
Mass Conc. Total (Avg15) (mg/m³)
VOC (Avg15) (ppm)

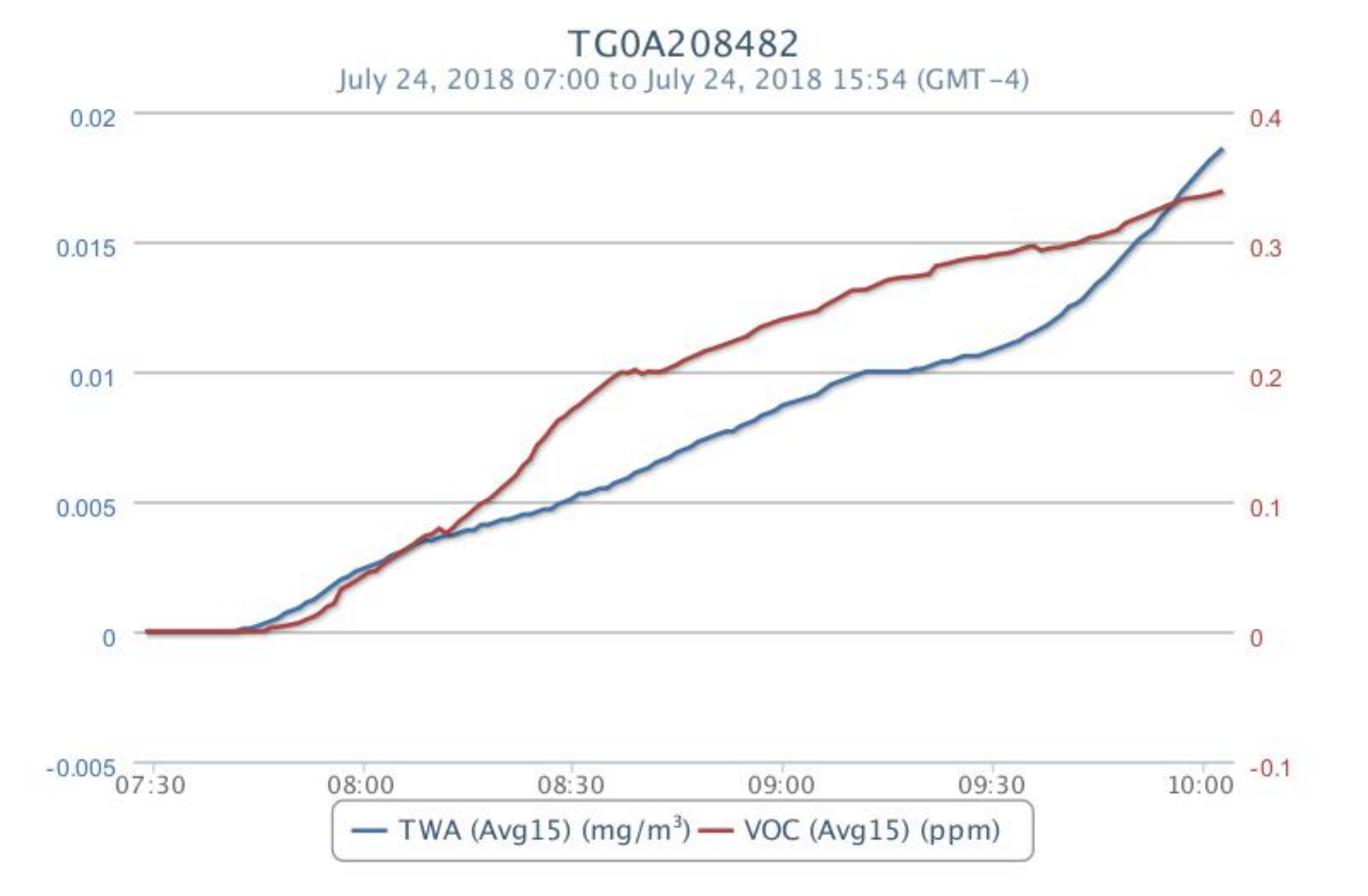

TA00548358
July 10, 2018 01:42 to July 10, 2018 18:42 (GMT-4)
1.75
1.5
1.25
1
0.75
0.5
0.25
0
0.0325
0.03
0.0275
0.025
0.0225
0.02
0.0175
0.015
11:00
12:00
13:00
14:00
15:00
VOC (Avg15) (ppm)
Mass Conc. Total (Avg15) (mg/m³)

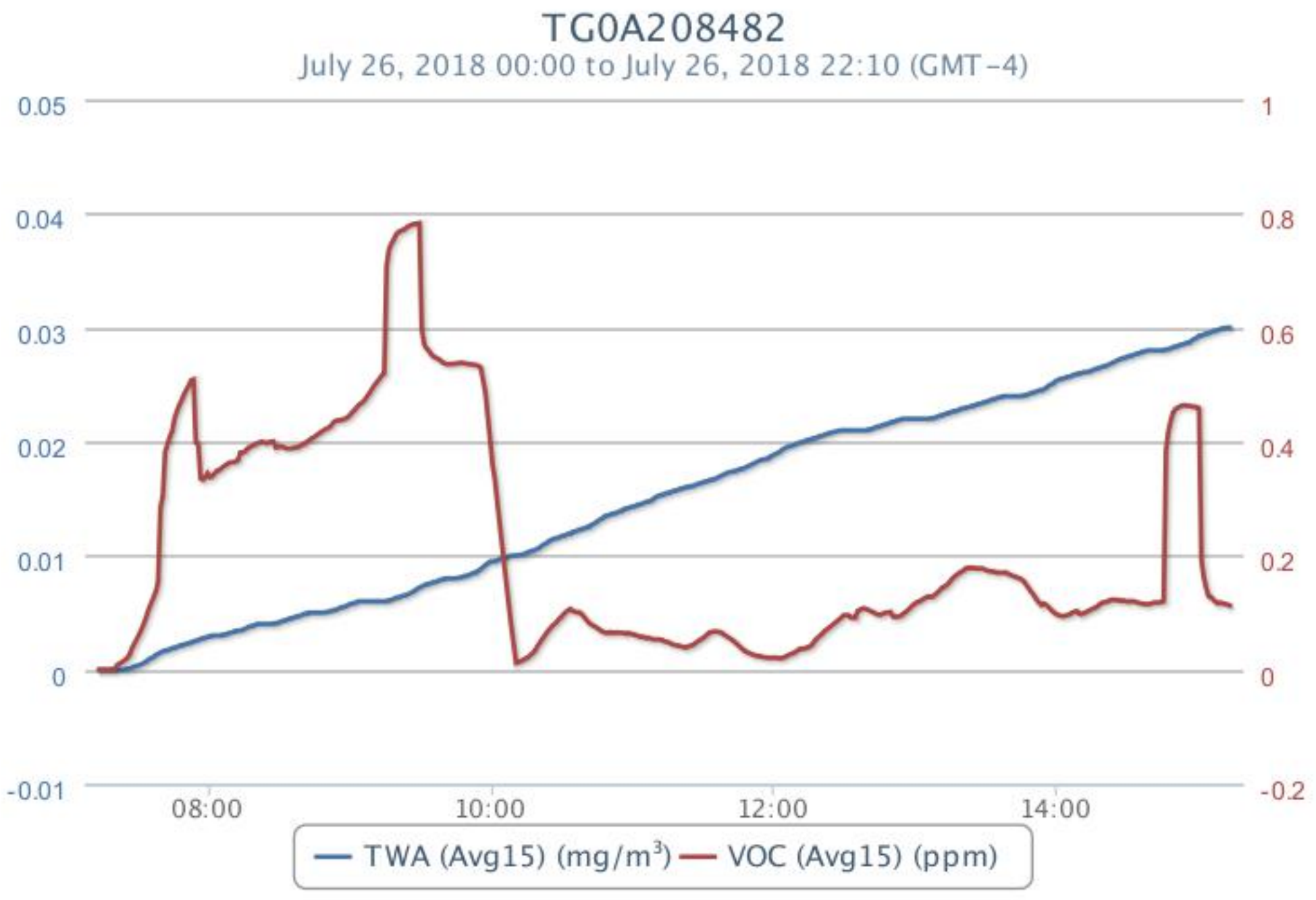

TG0A208482
July 17, 2018 07:05 to July 17, 2018 15:51 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.1
0.075
0.05
0.025
0
-0.025
-0.05
08:00
09:00
10:00
11:00
12:00
13:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

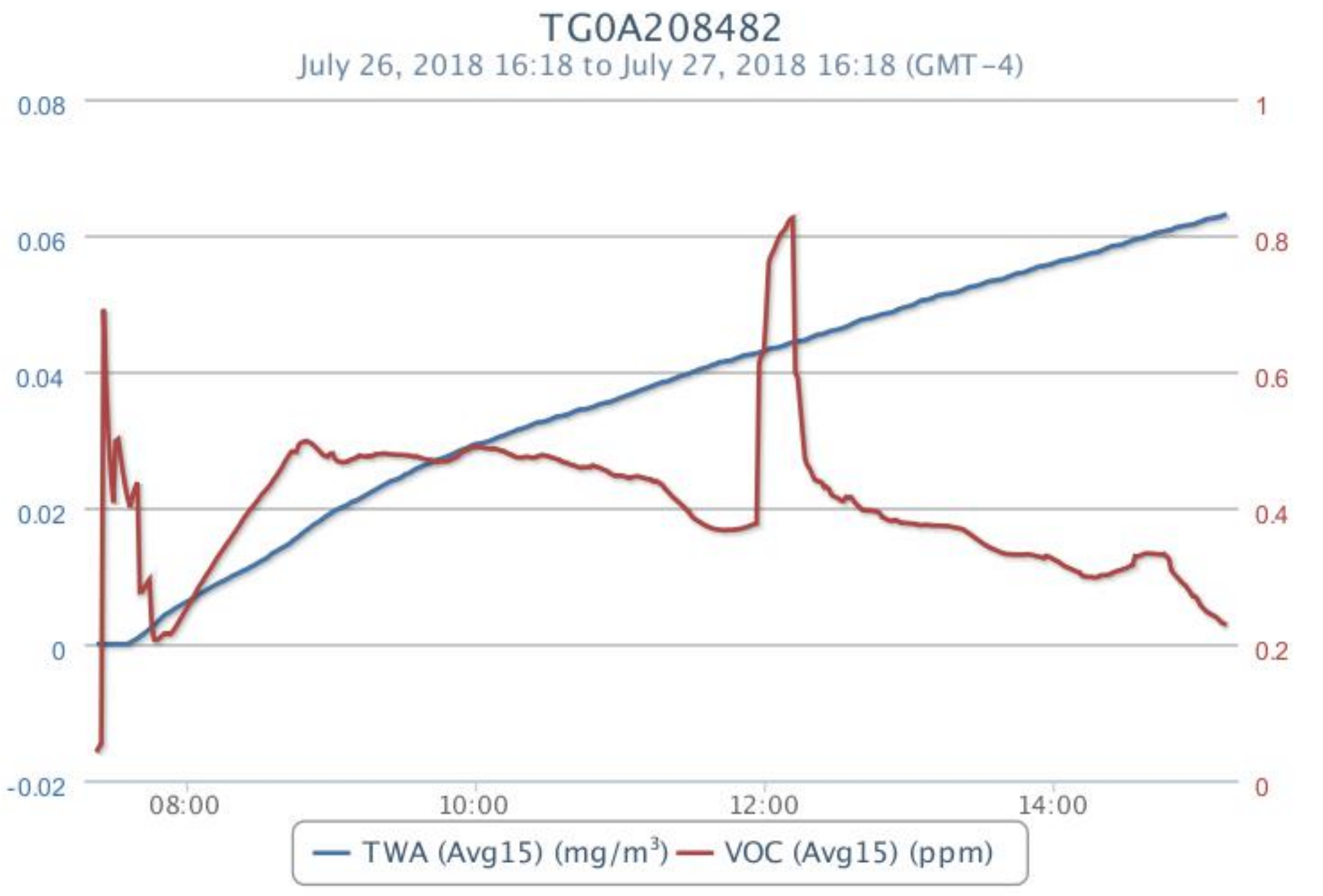

TG0A208482
July 18, 2018 07:10 to July 18, 2018 16:48 (GMT-4)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

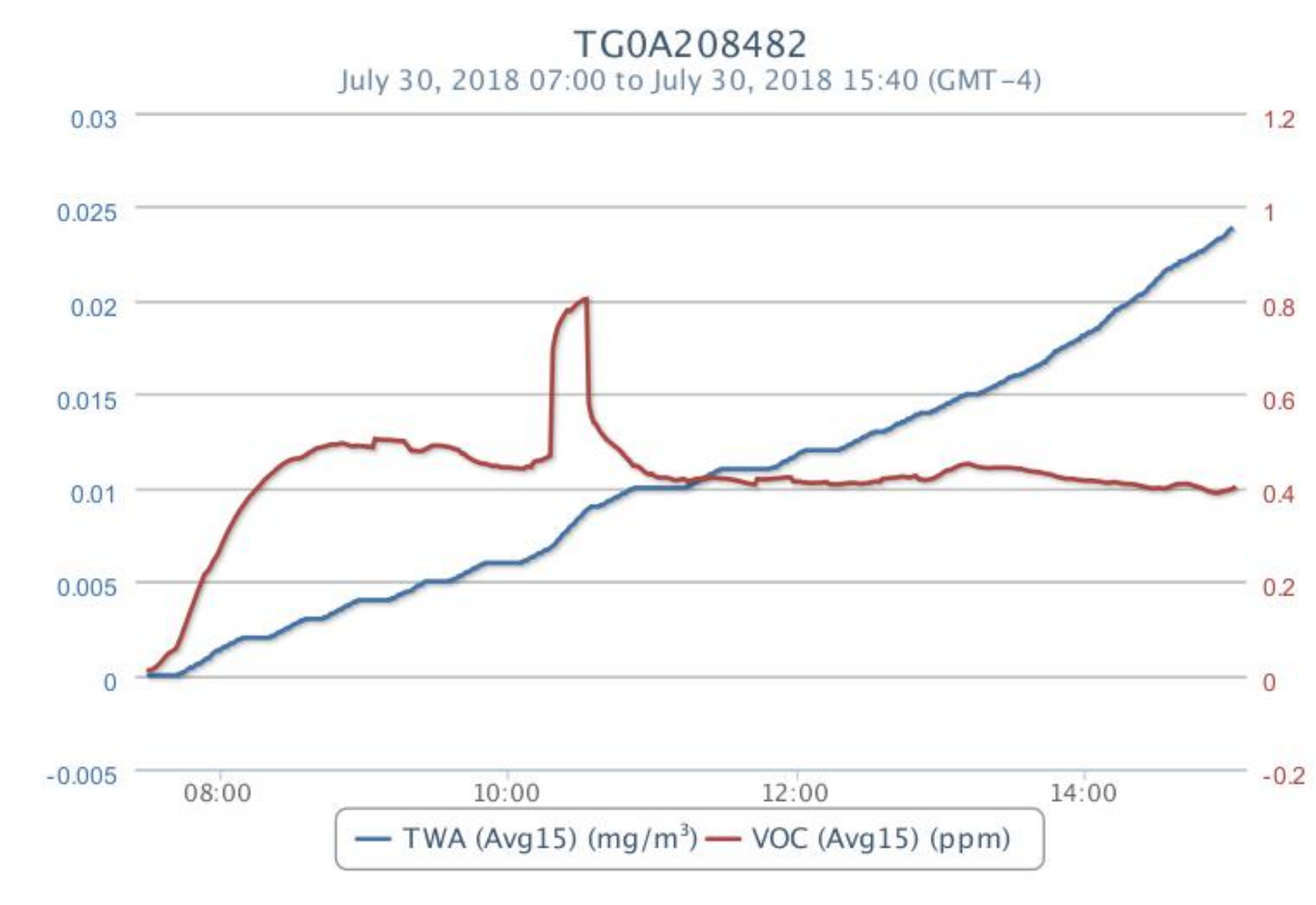

TG0A208482
July 19, 2018 07:06 to July 19, 2018 15:55 (GMT-4)
0.008
0.006
0.004
0.002
0
-0.002
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
July 20, 2018 07:00 to July 20, 2018 16:00 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
TWA (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
July 24, 2018 07:00 to July 24, 2018 15:54 (GMT-4)
0.02
0.015
0.01
0.005
0
-0.005
0.4
0.3
0.2
0.1
0
-0.1
07:30
08:00
08:30
09:00
09:30
10:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

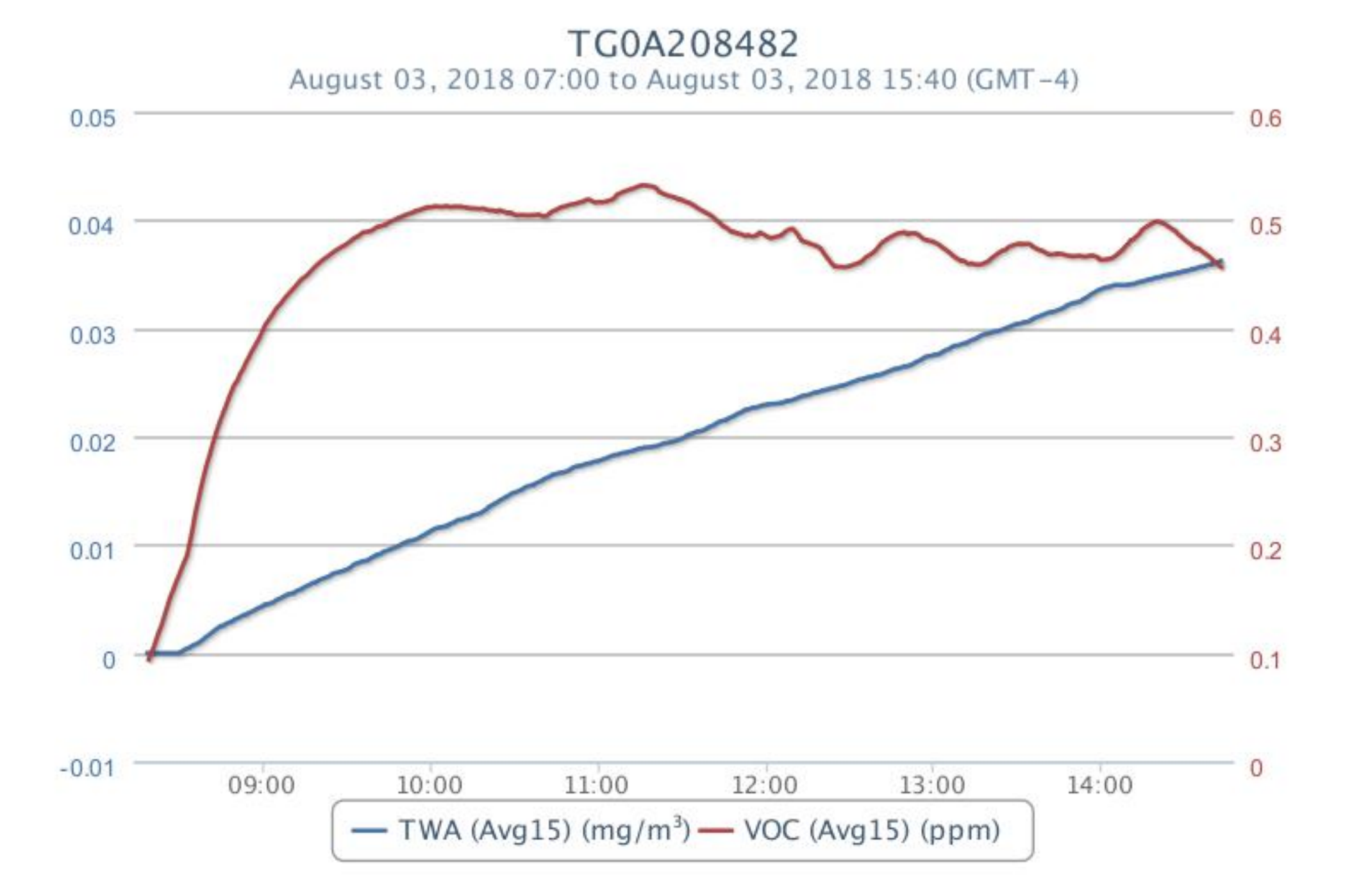

TG0A208482
July 26, 2018 00:00 to July 26, 2018 22:10 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
1
0.8
0.6
0.4
0.2
0
-0.2
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

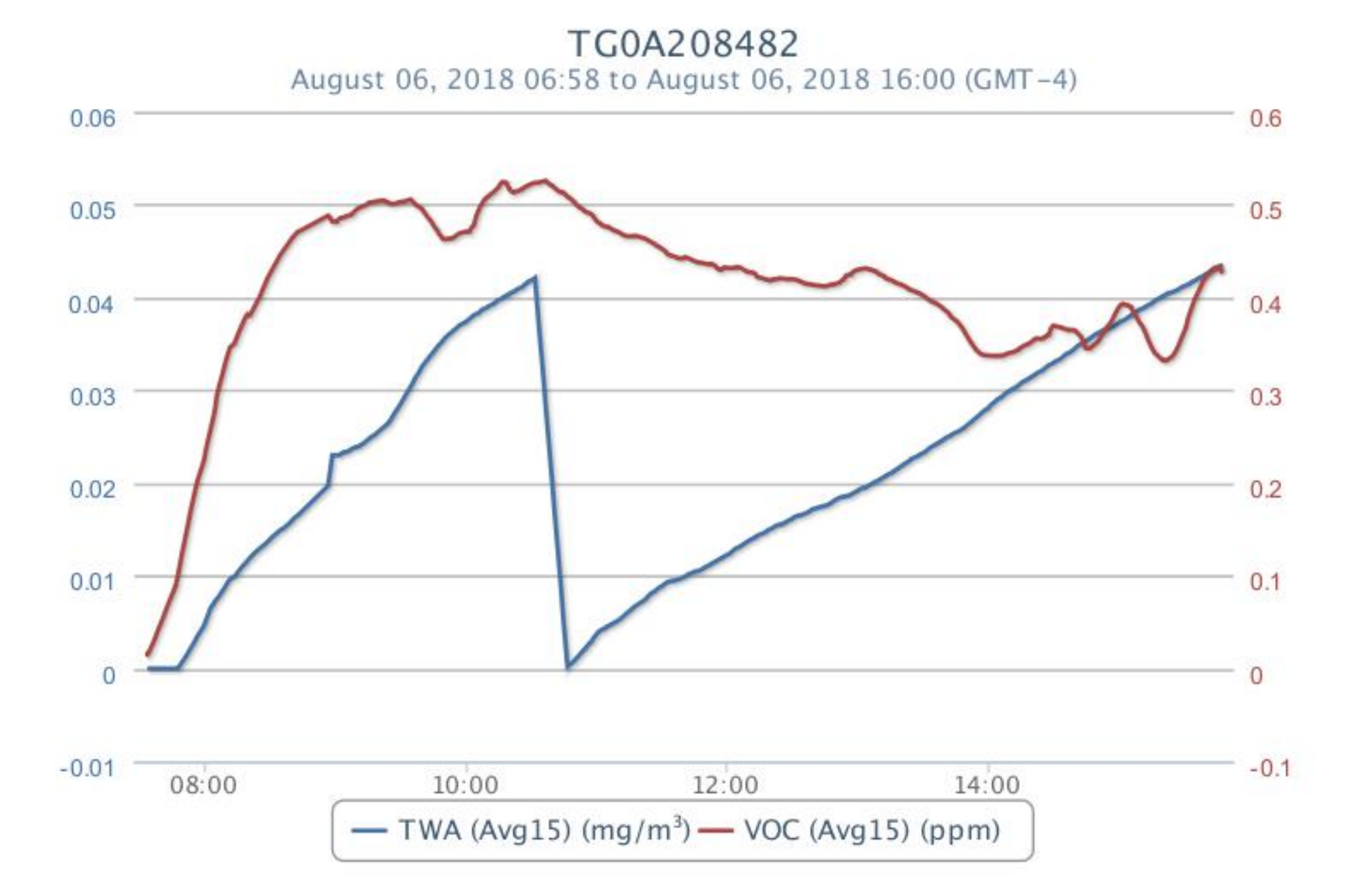

TG0A208482
July 26, 2018 16:18 to July 27, 2018 16:18 (GMT-4)
0.08
0.06
0.04
0.02
0
-0.02
1
0.8
0.6
0.4
0.2
0
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

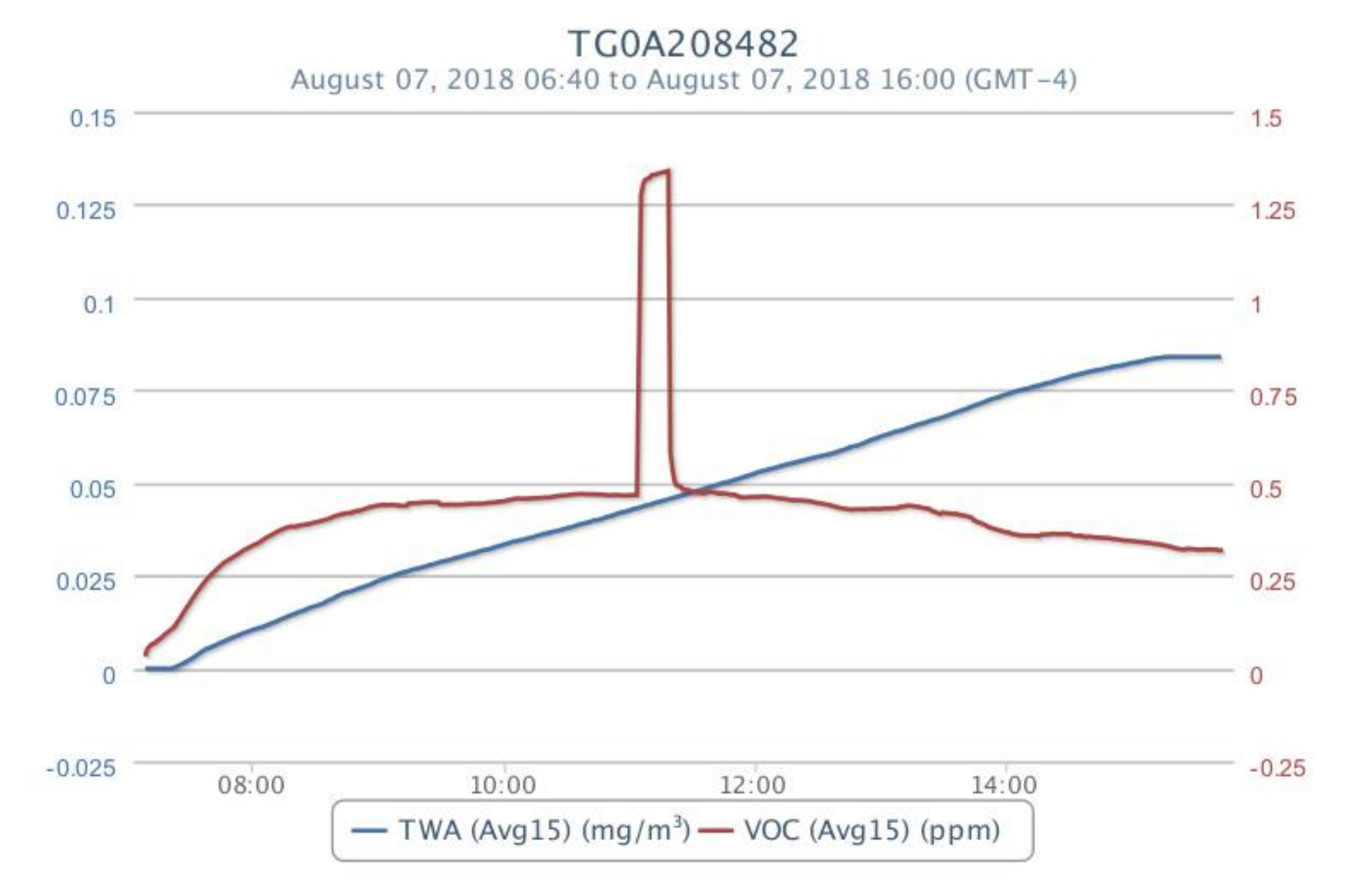

TG0A208482
July 30, 2018 07:00 to July 30, 2018 15:40 (GMT-4)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
July 31, 2018 07:00 to July 31, 2018 15:42 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.6
0.5
0.4
0.3
0.2
0.1
0
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

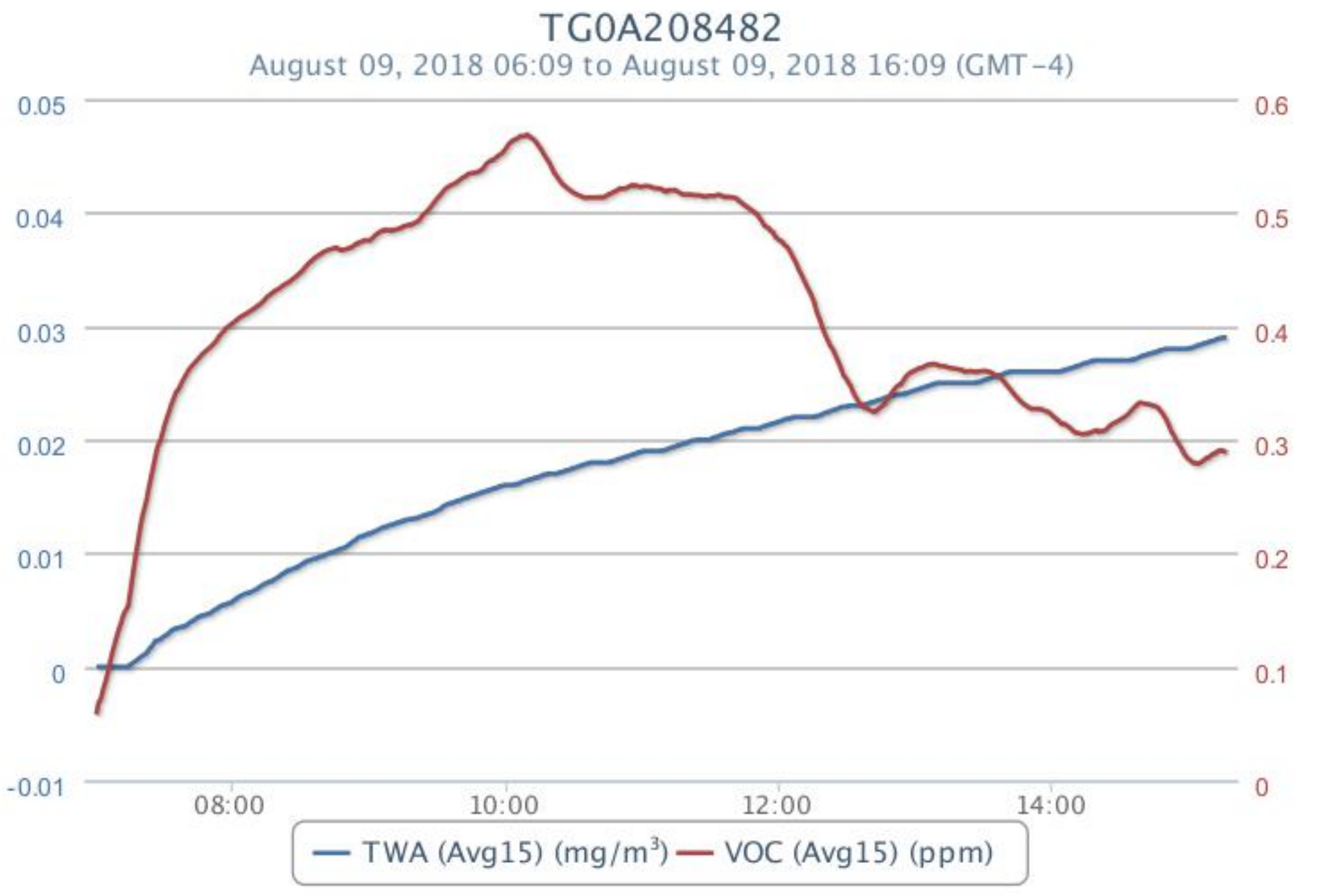

TG0A208482
August 02, 2018 07:00 to August 02, 2018 15:35 (GMT-4)
0.1
0.075
0.05
0.025
0
-0.025
0.8
0.6
0.4
0.2
0
-0.2
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
August 03, 2018 07:00 to August 03, 2018 15:40 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.6
0.5
0.4
0.3
0.2
0.1
0
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

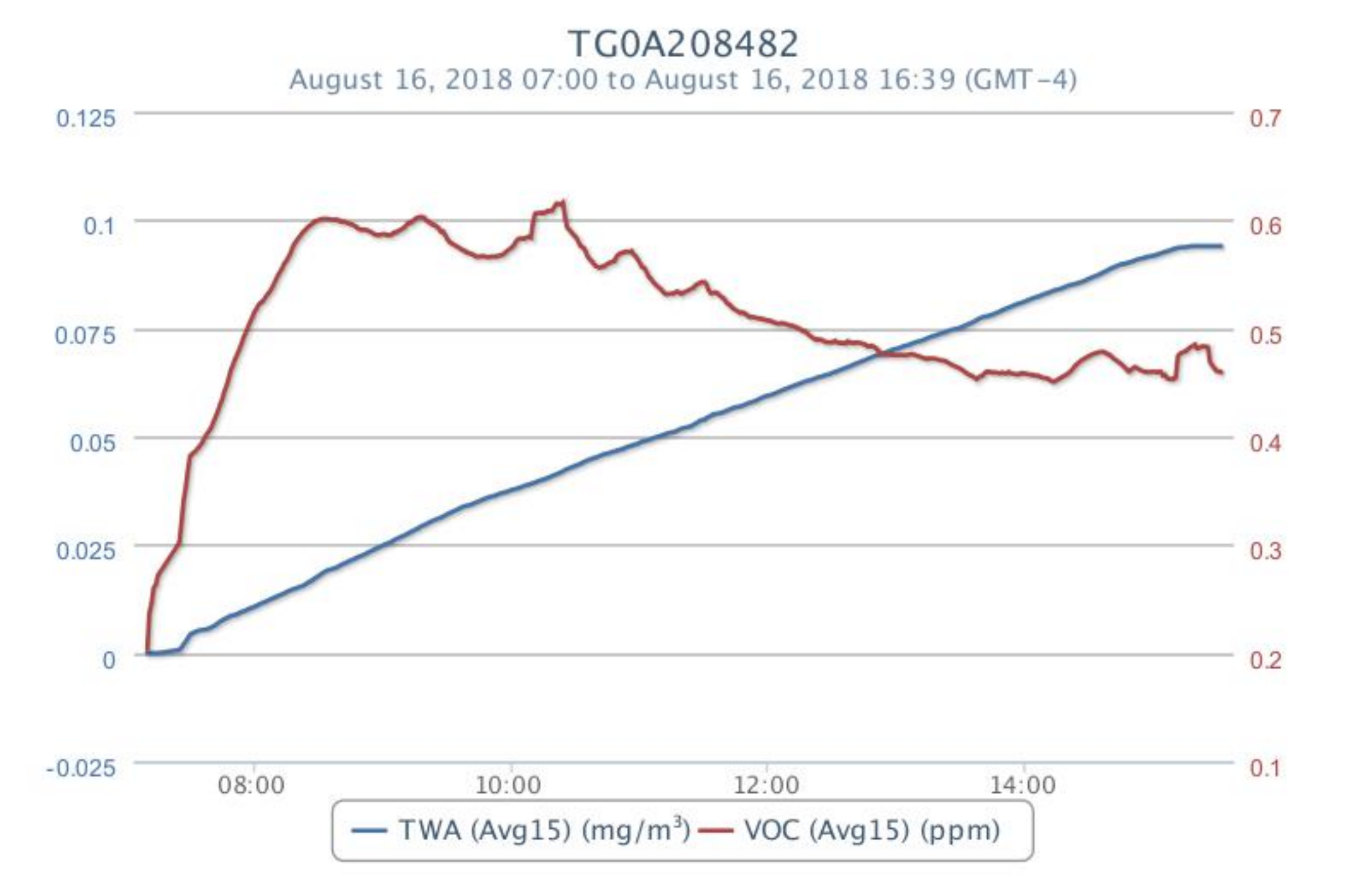

TG0A208482
August 06, 2018 06:58 to August 06, 2018 16:00 (GMT-4)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

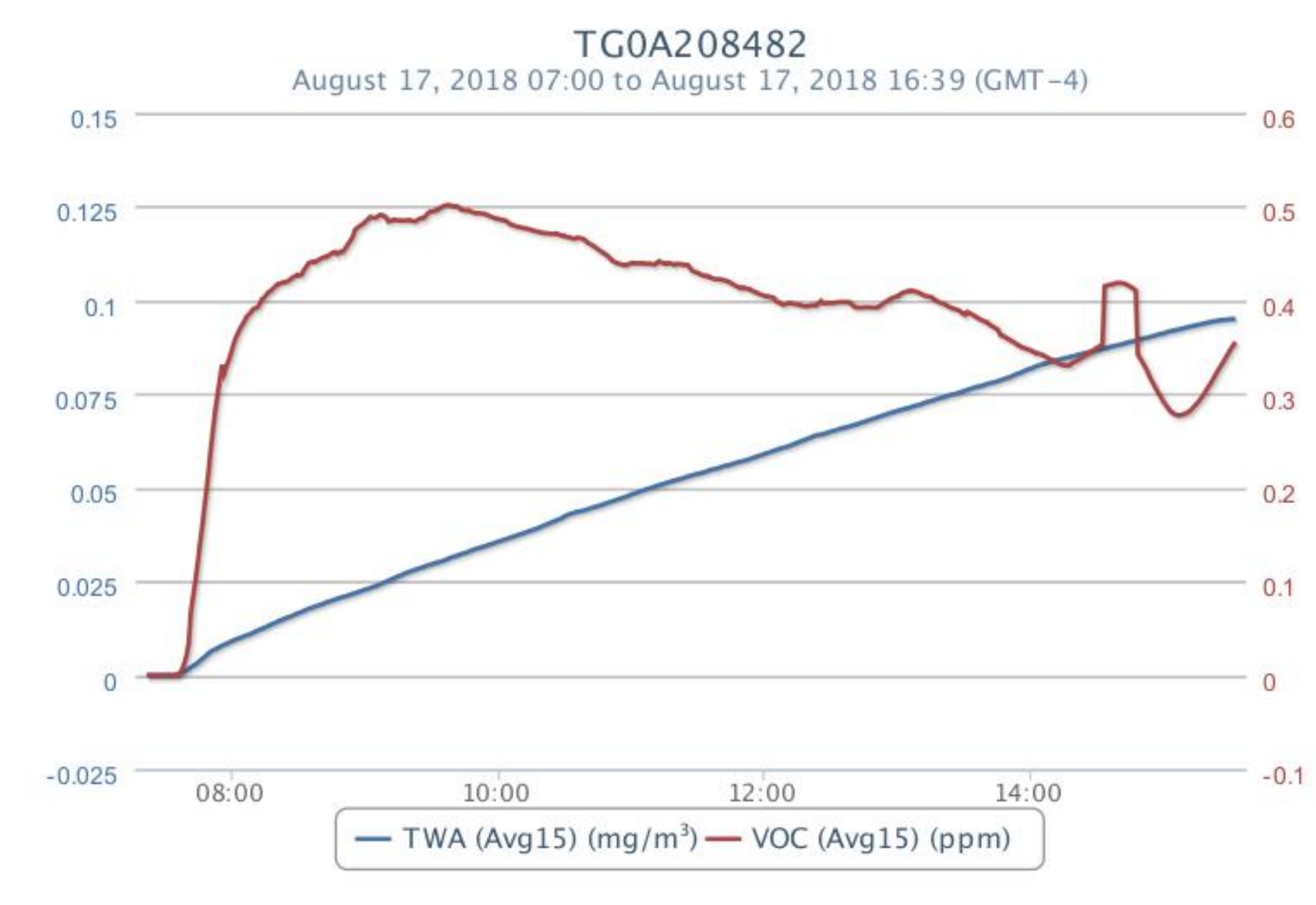

TG0A208482
August 07, 2018 06:40 to August 07, 2018 16:00 (GMT-4)
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
1.5
1.25
1
0.75
0.5
0.25
0
-0.25
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
August 08, 2018 06:40 to August 08, 2018 16:00 (GMT-4)
0.08
0.06
0.04
0.02
0
-0.02
1
0.8
0.6
0.4
0.2
0
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

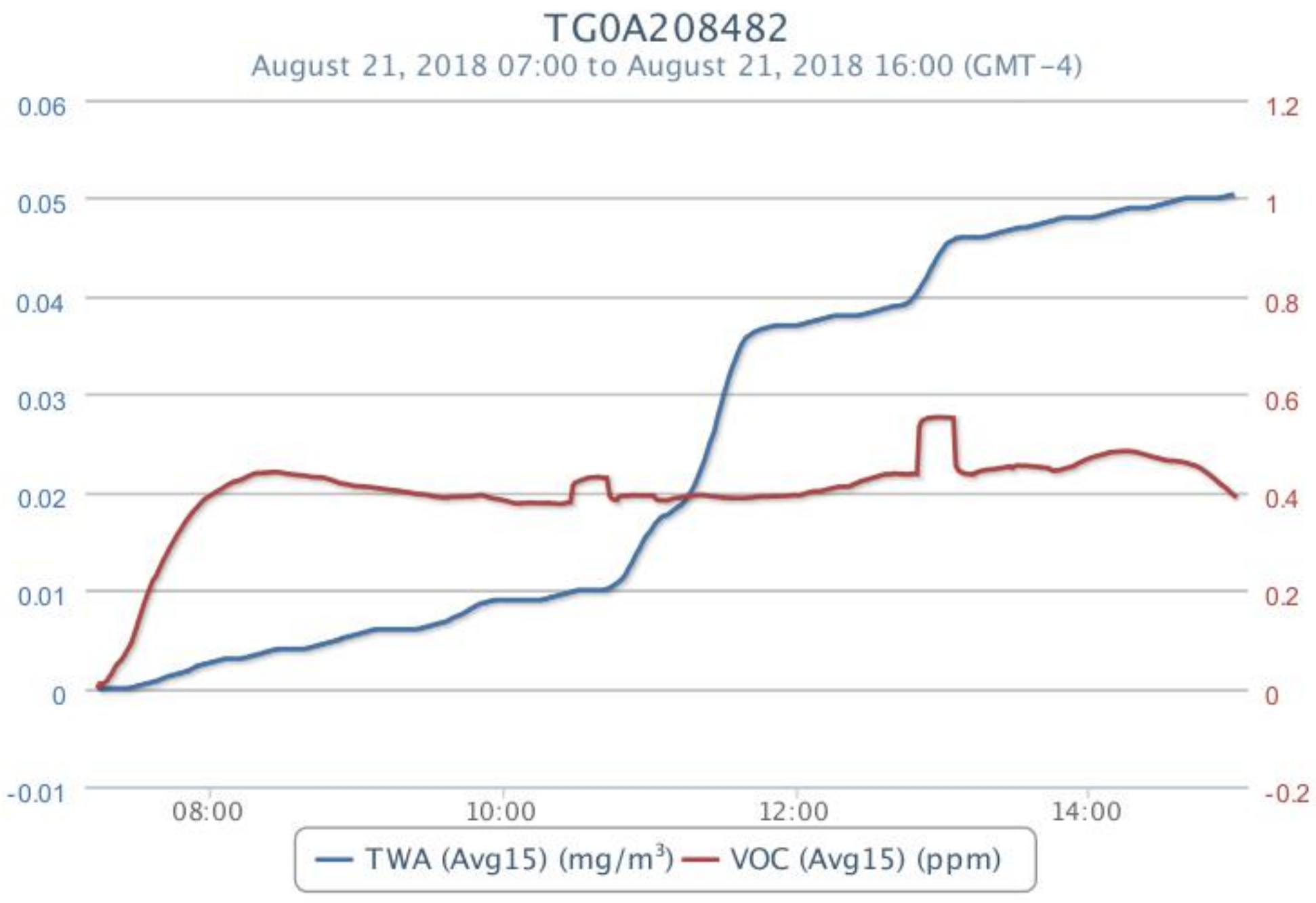

TG0A208482
August 09, 2018 06:09 to August 09, 2018 16:09 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.6
0.5
0.4
0.3
0.2
0.1
0
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

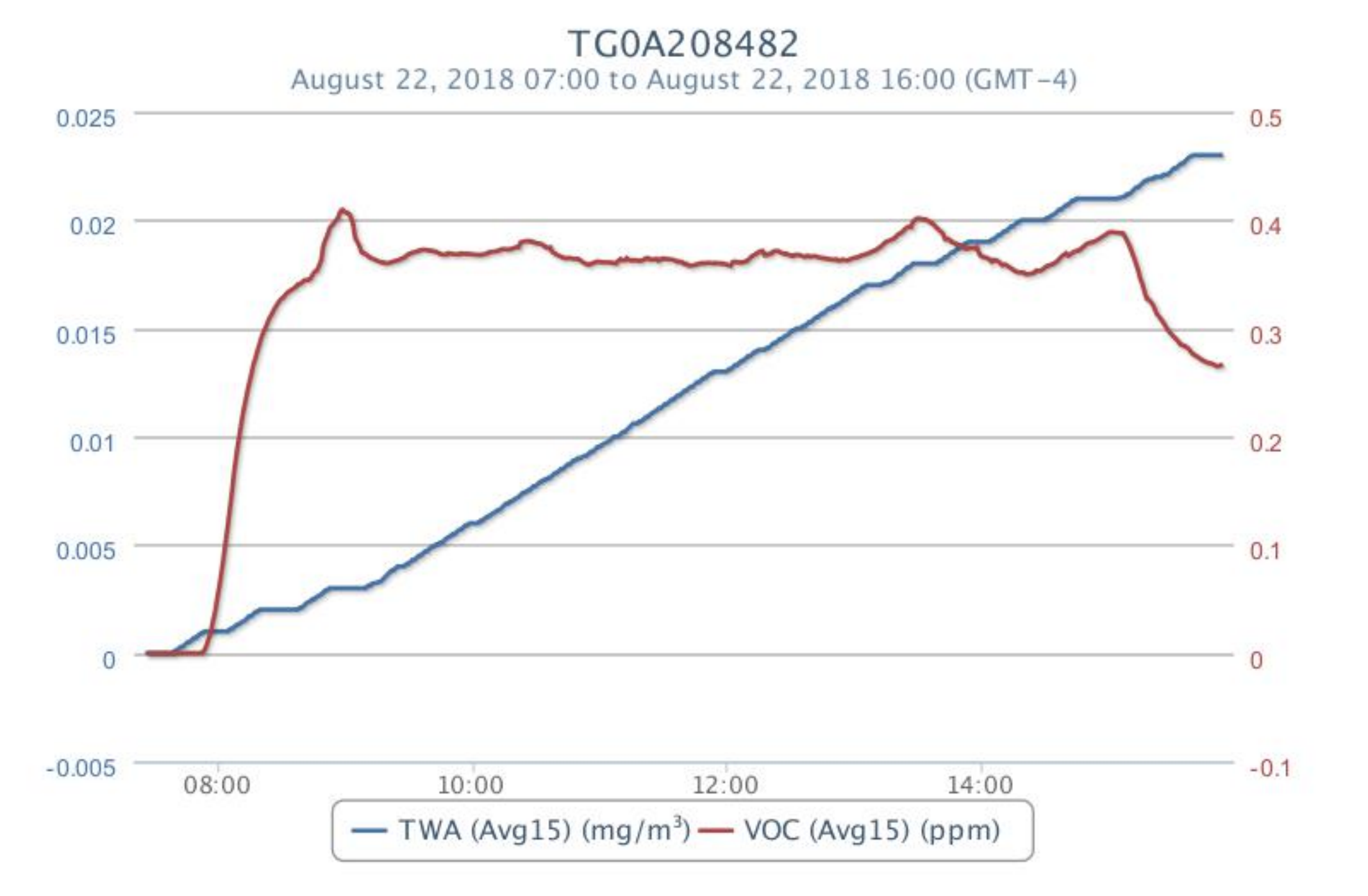

TG0A208482
August 15, 2018 07:00 to August 15, 2018 16:39 (GMT-4)
0.8
0.6
0.4
0.2
0
-0.2
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)

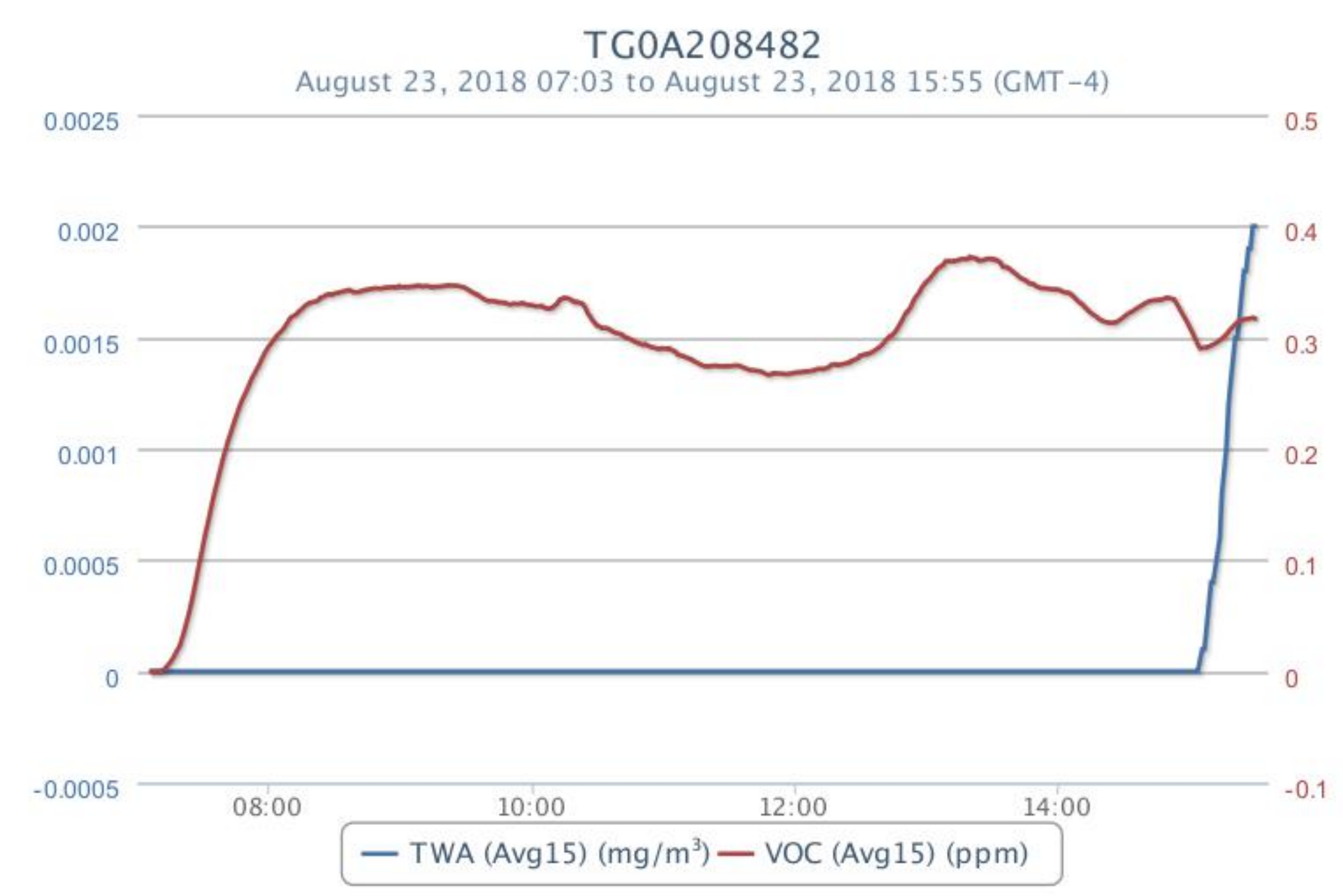

TG0A208482
August 16, 2018 07:00 to August 16, 2018 16:39 (GMT-4)
0.125
0.1
0.075
0.05
0.025
0
-0.025
0.7
0.6
0.5
0.4
0.3
0.2
0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

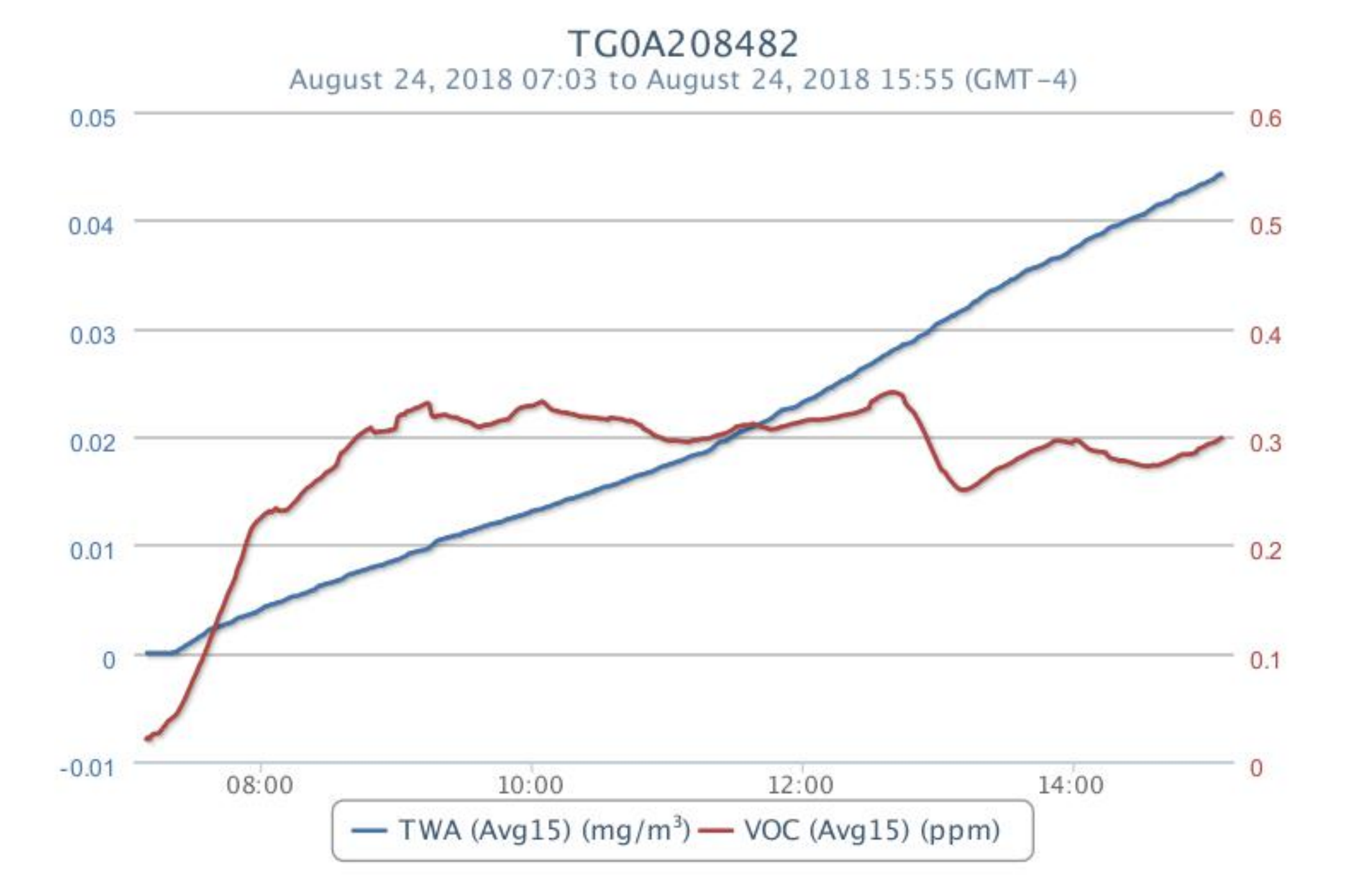

TG0A208482
August 17, 2018 07:00 to August 17, 2018 16:39 (GMT-4)
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

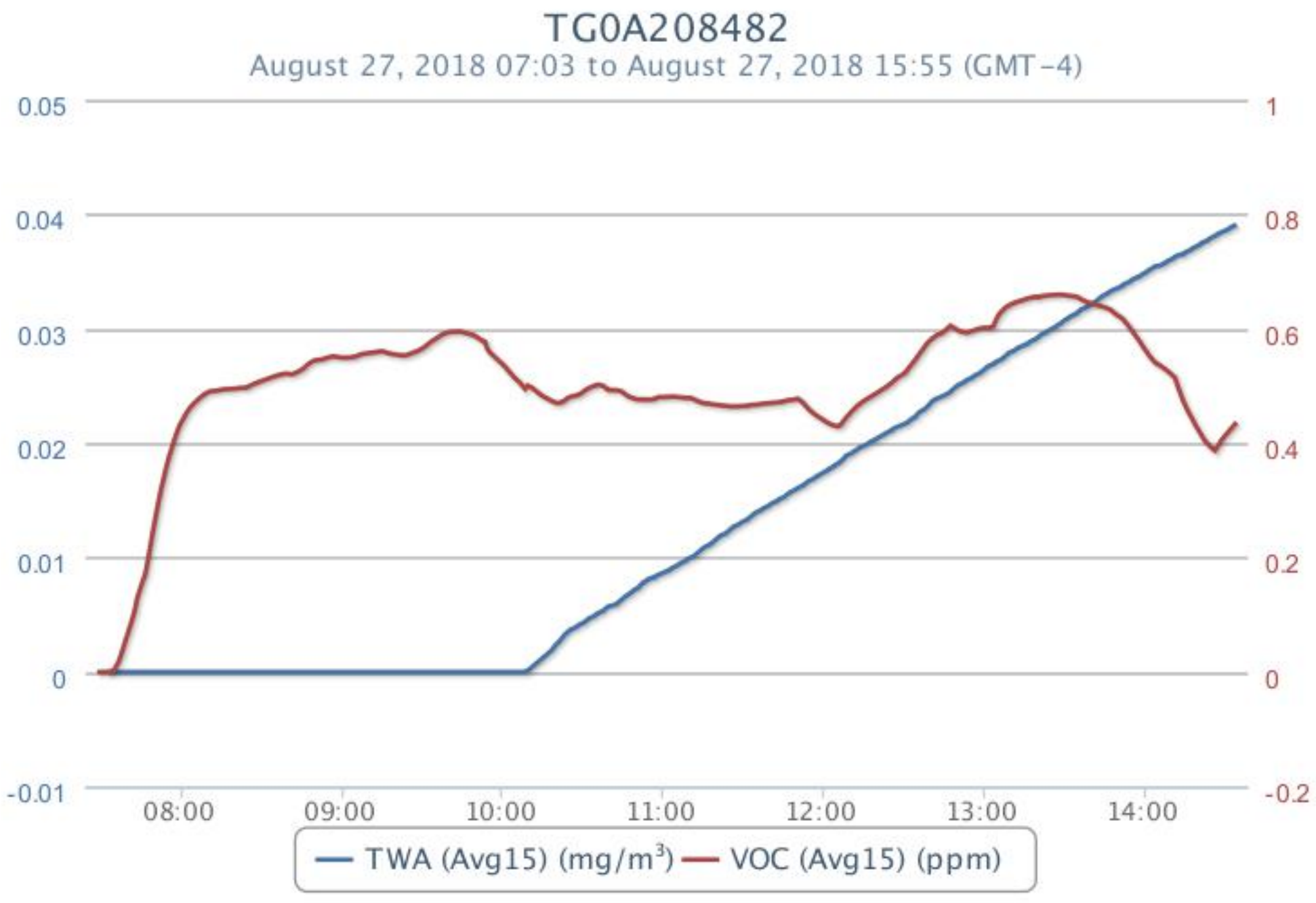

TG0A208482
August 20, 2018 06:15 to August 20, 2018 15:15 (GMT-4)
0.02
0.015
0.01
0.005
0
-0.005
0.6
0.5
0.4
0.3
0.2
0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

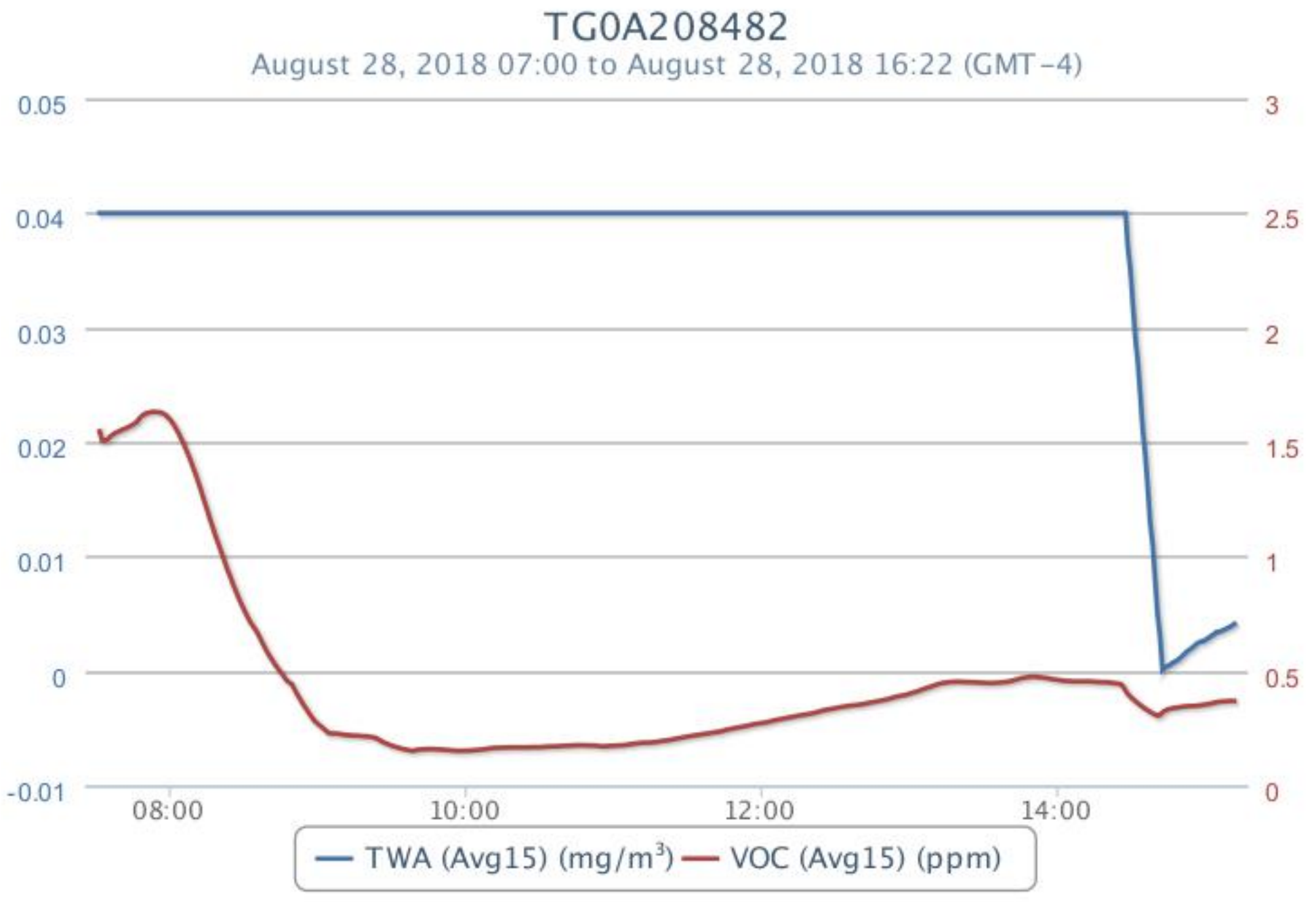

TG0A208482
August 21, 2018 07:00 to August 21, 2018 16:00 (GMT-4)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

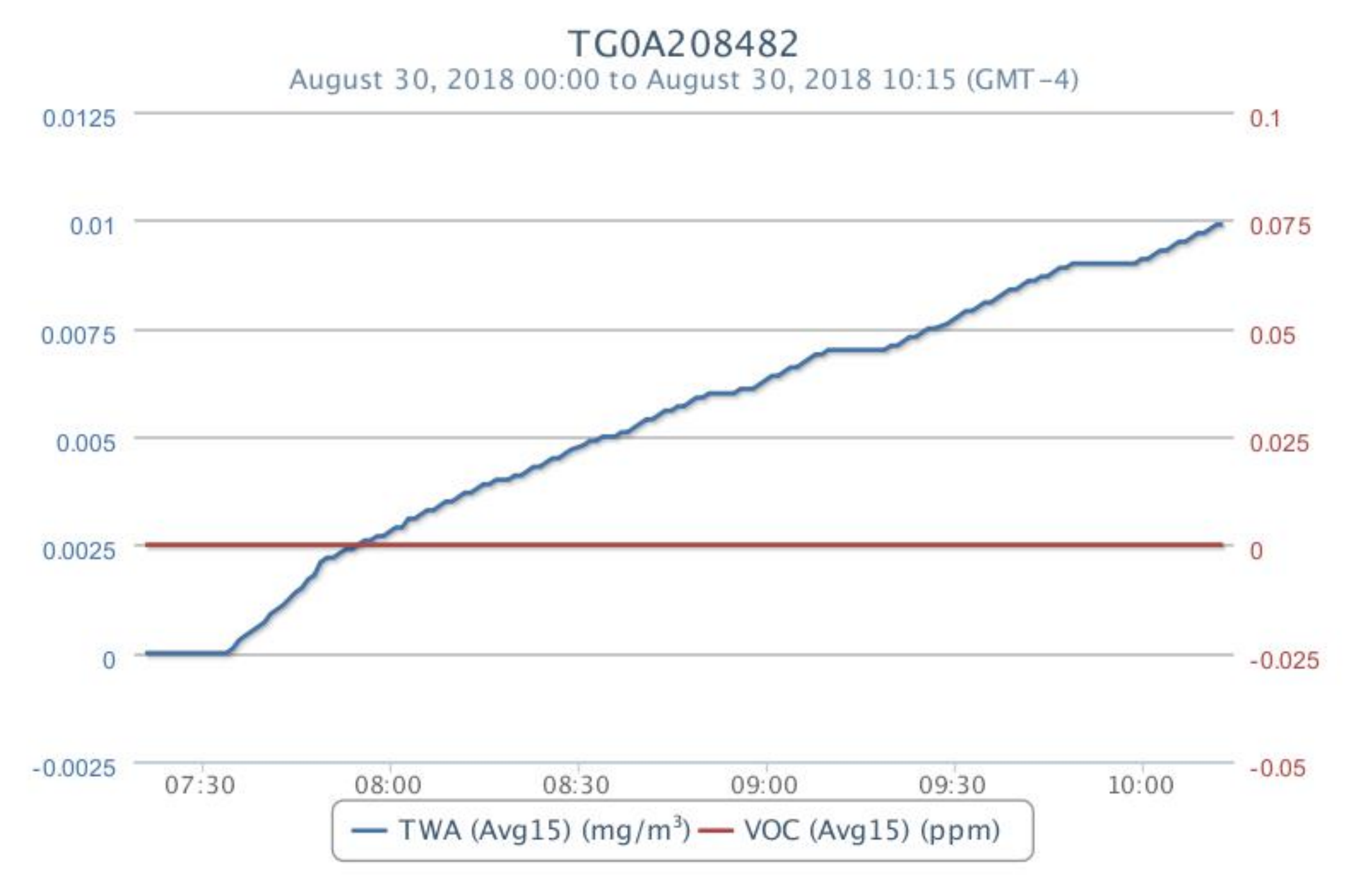

TG0A208482
August 22, 2018 07:00 to August 22, 2018 16:00 (GMT-4)
0.025
0.02
0.015
0.01
0.005
0
-0.005
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

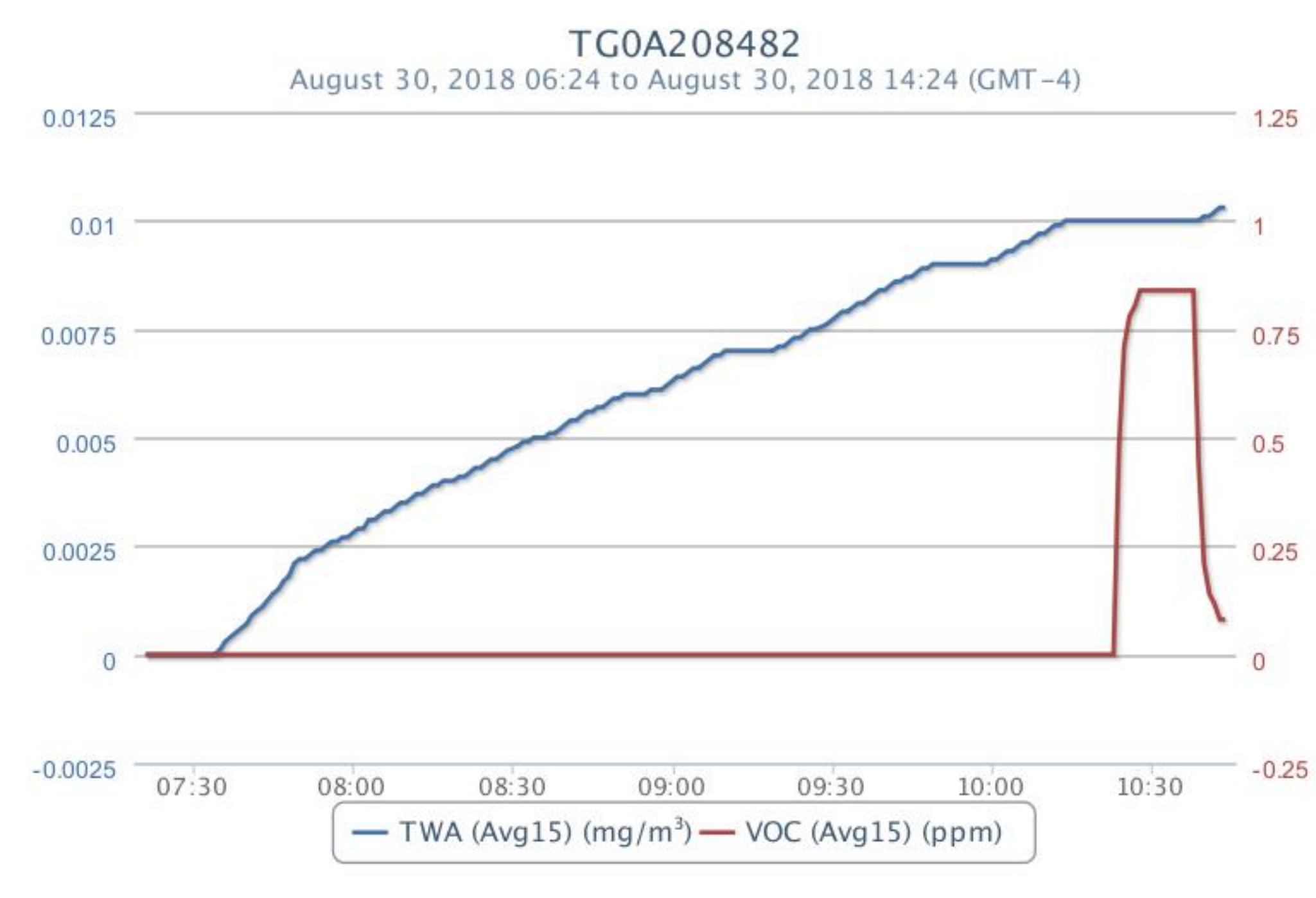

TG0A208482
August 23, 2018 07:03 to August 23, 2018 15:55 (GMT-4)
0.0025
0.002
0.0015
0.001
0.0005
0
-0.0005
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

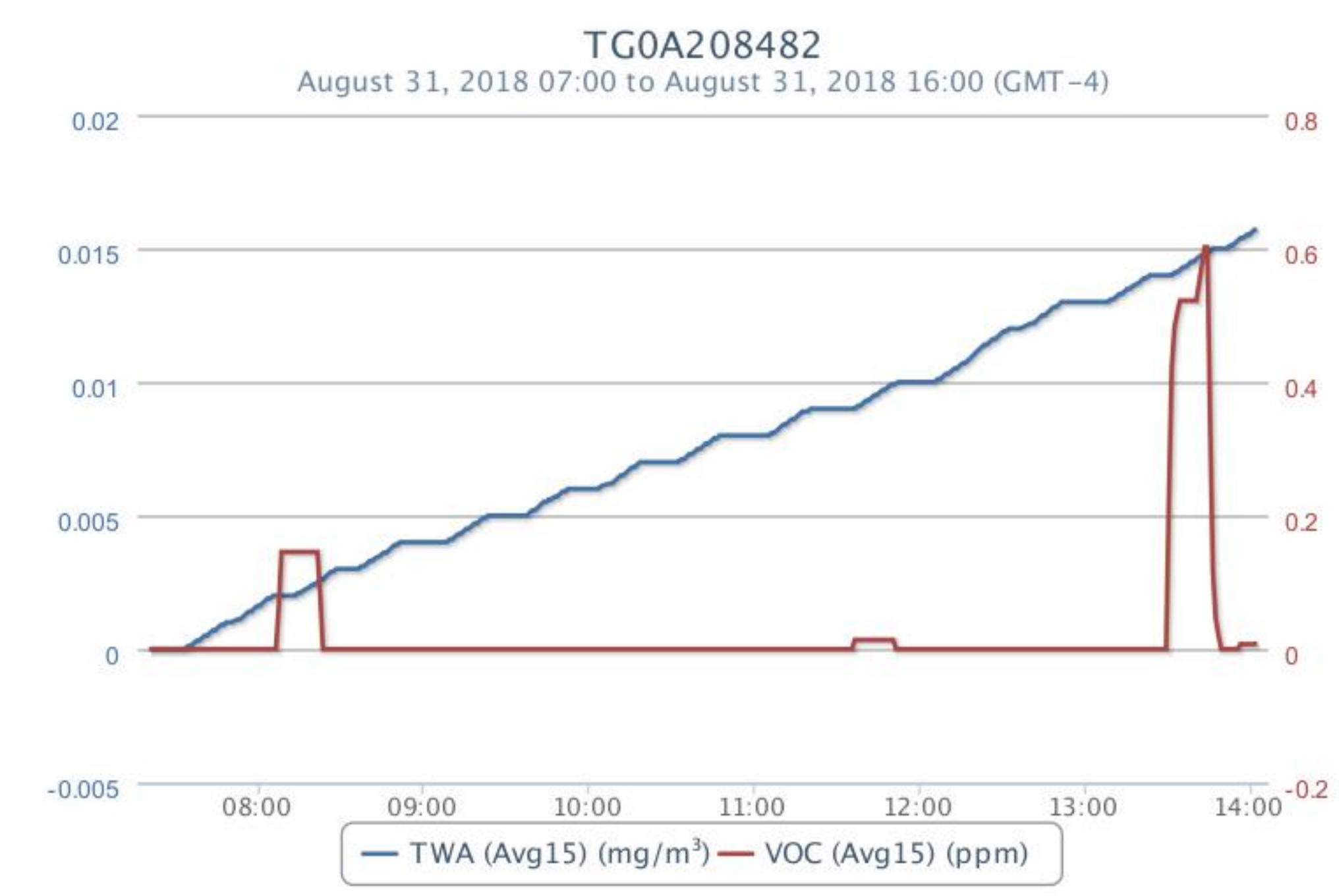

TG0A208482
August 24, 2018 07:03 to August 24, 2018 15:55 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.6
0.5
0.4
0.3
0.2
0.1
0
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

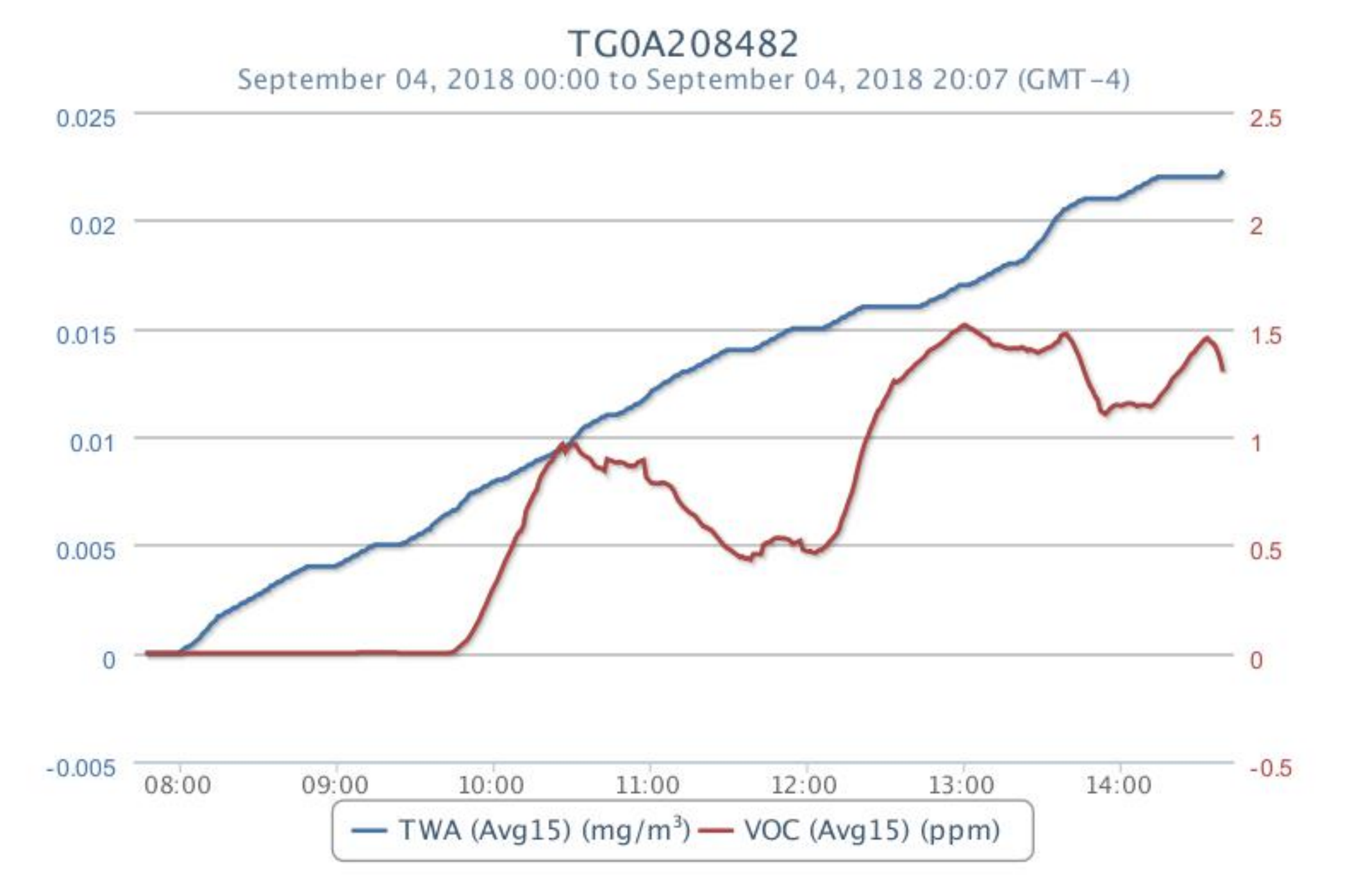

TG0A208482
August 27, 2018 07:03 to August 27, 2018 15:55 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
1
0.8
0.6
0.4
0.2
0
-0.2
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

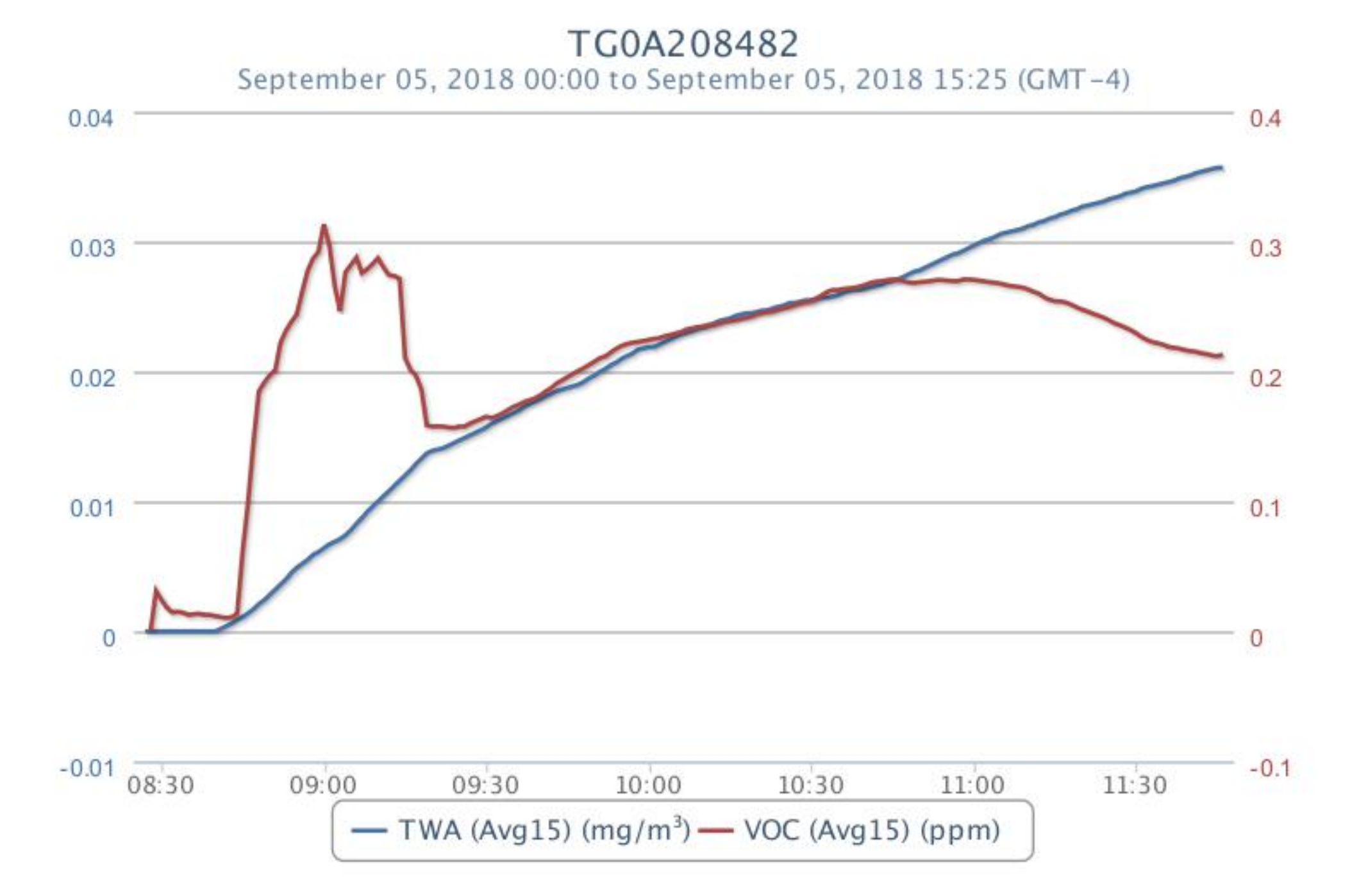

TG0A208482
August 28, 2018 07:00 to August 28, 2018 16:22 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
3
2.5
2
1.5
1
0.5
0
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

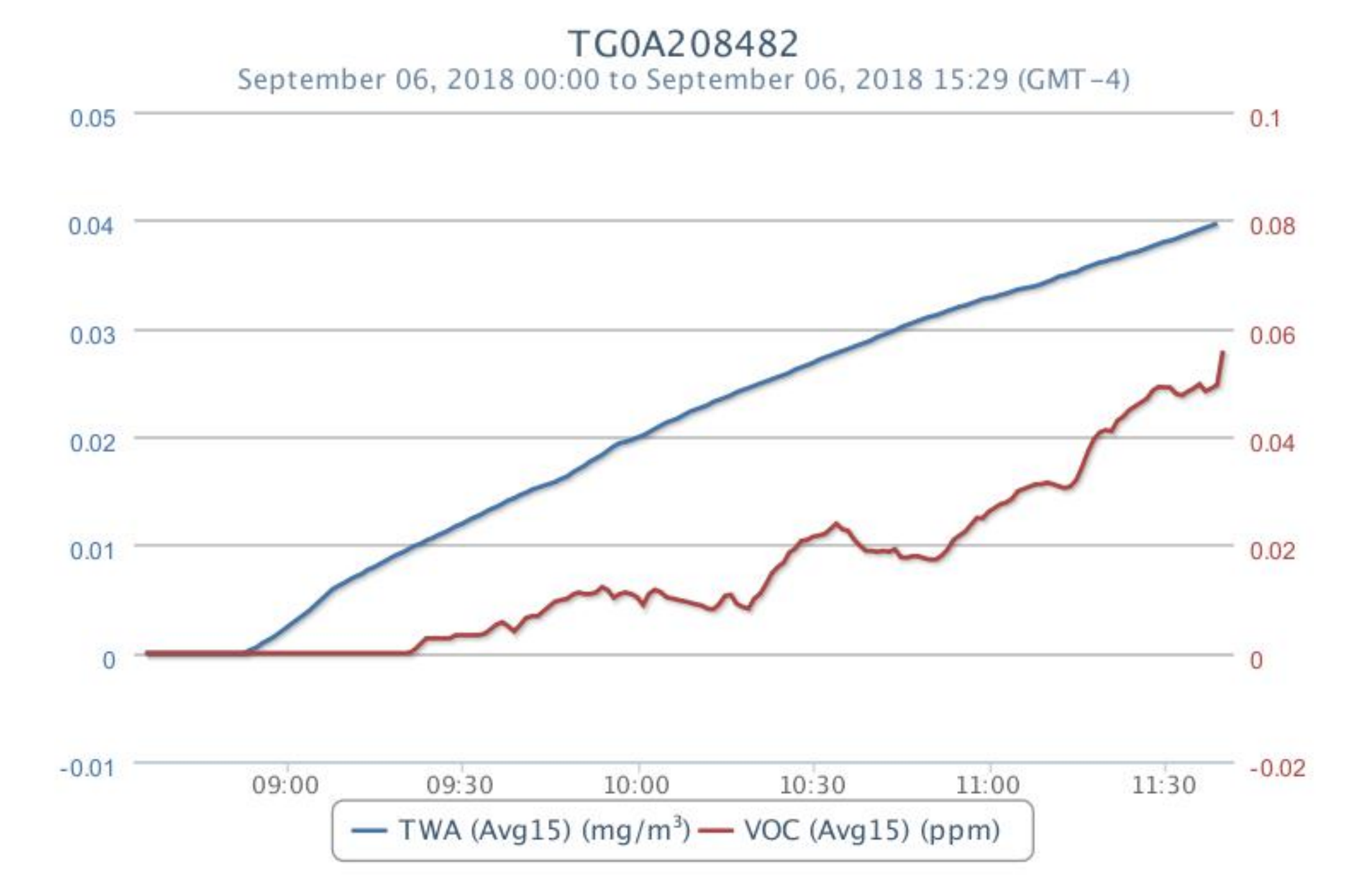

TG0A208482
August 30, 2018 00:00 to August 30, 2018 10:15 (GMT-4)
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.1
0.075
0.05
0.025
0
-0.025
-0.05
07:30
08:00
08:30
09:00
09:30
10:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

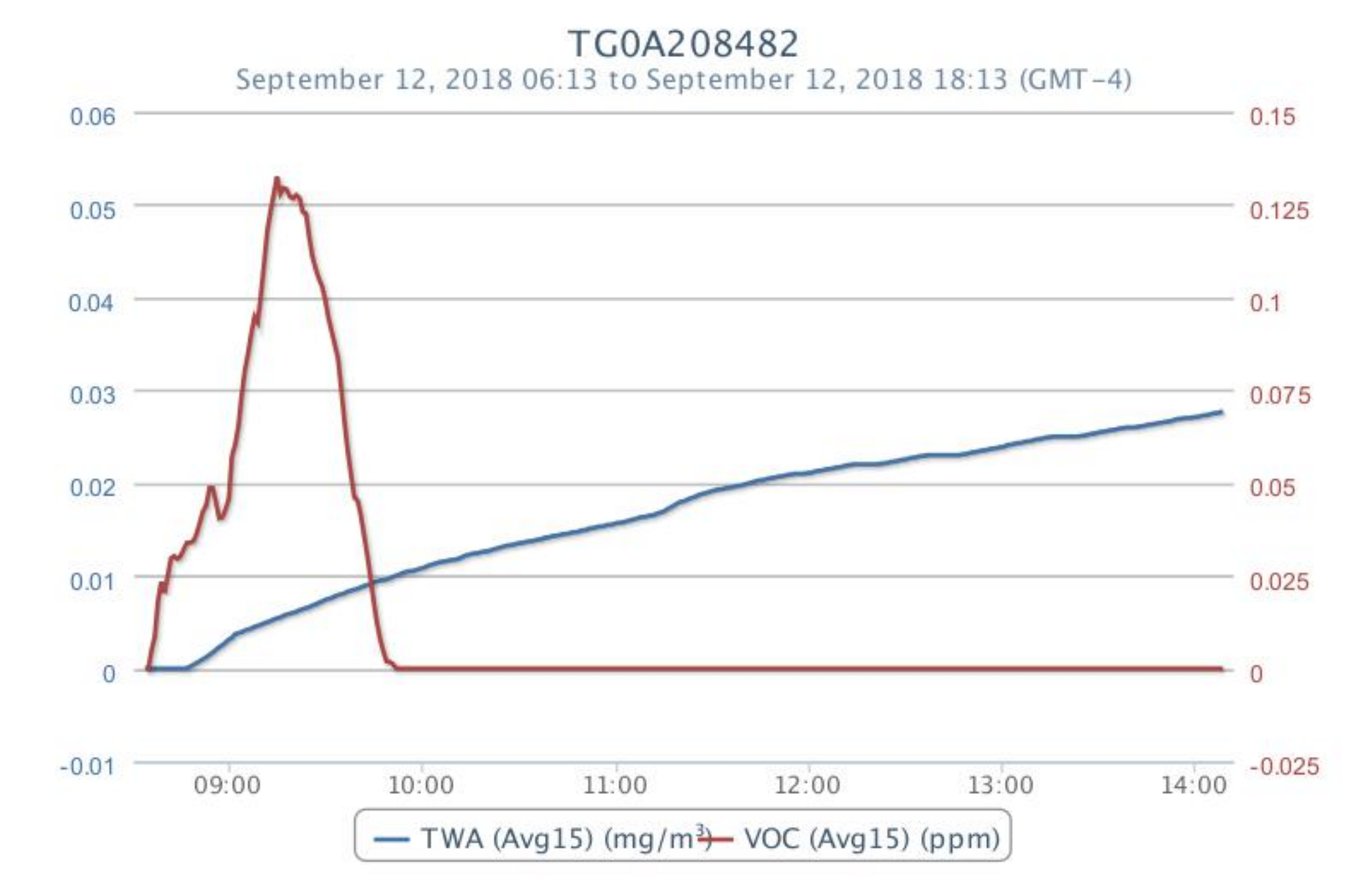

TG0A208482
August 30, 2018 06:24 to August 30, 2018 14:24 (GMT-4)
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
1.25
1
0.75
0.5
0.25
0
-0.25
07:30
08:00
08:30
09:00
09:30
10:00
10:30
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

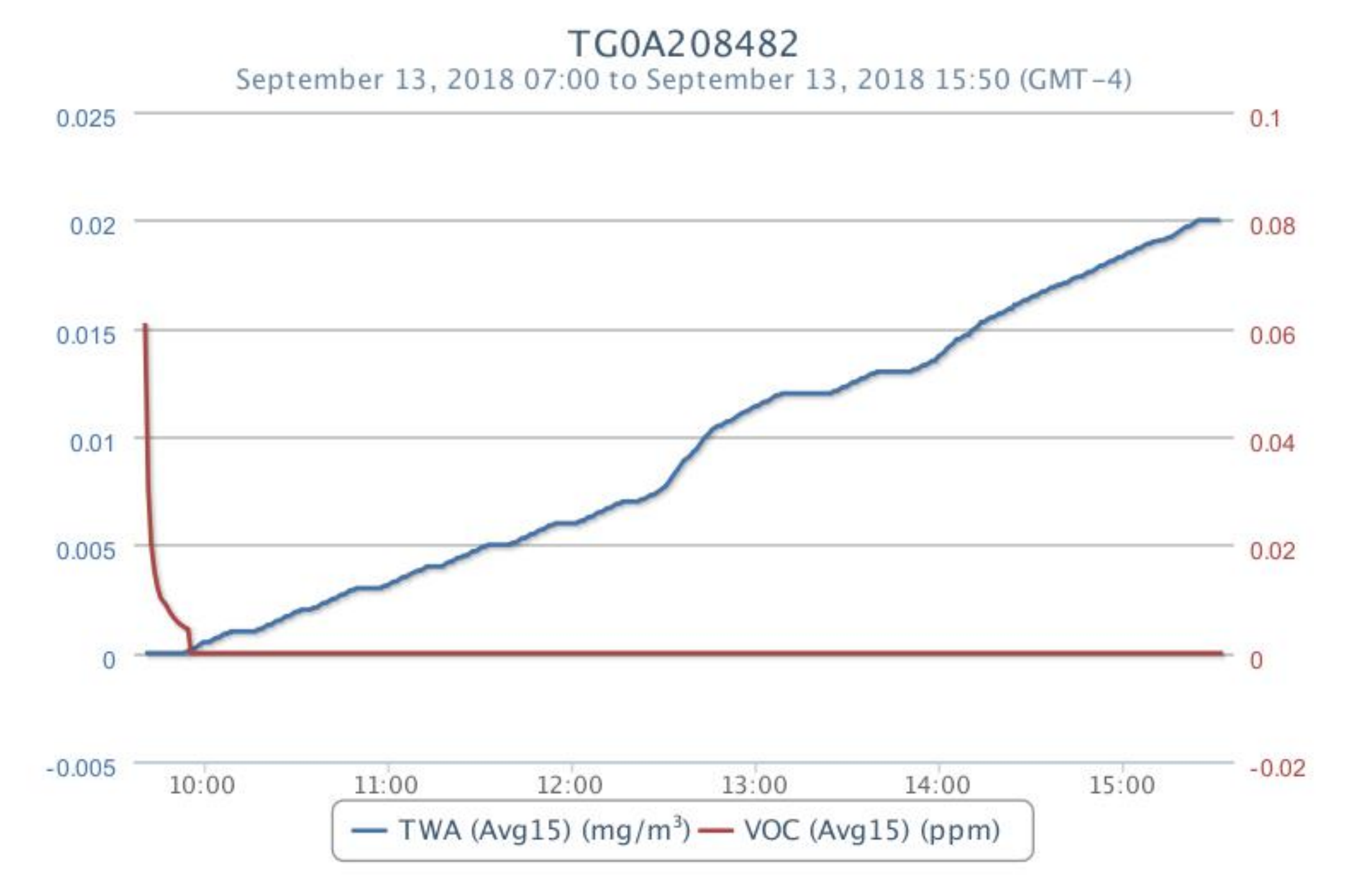

TG0A208482
August 31, 2018 07:00 to August 31, 2018 16:00 (GMT-4)
0.02
0.015
0.01
0.005
0
-0.005
0.8
0.6
0.4
0.2
0
-0.2
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

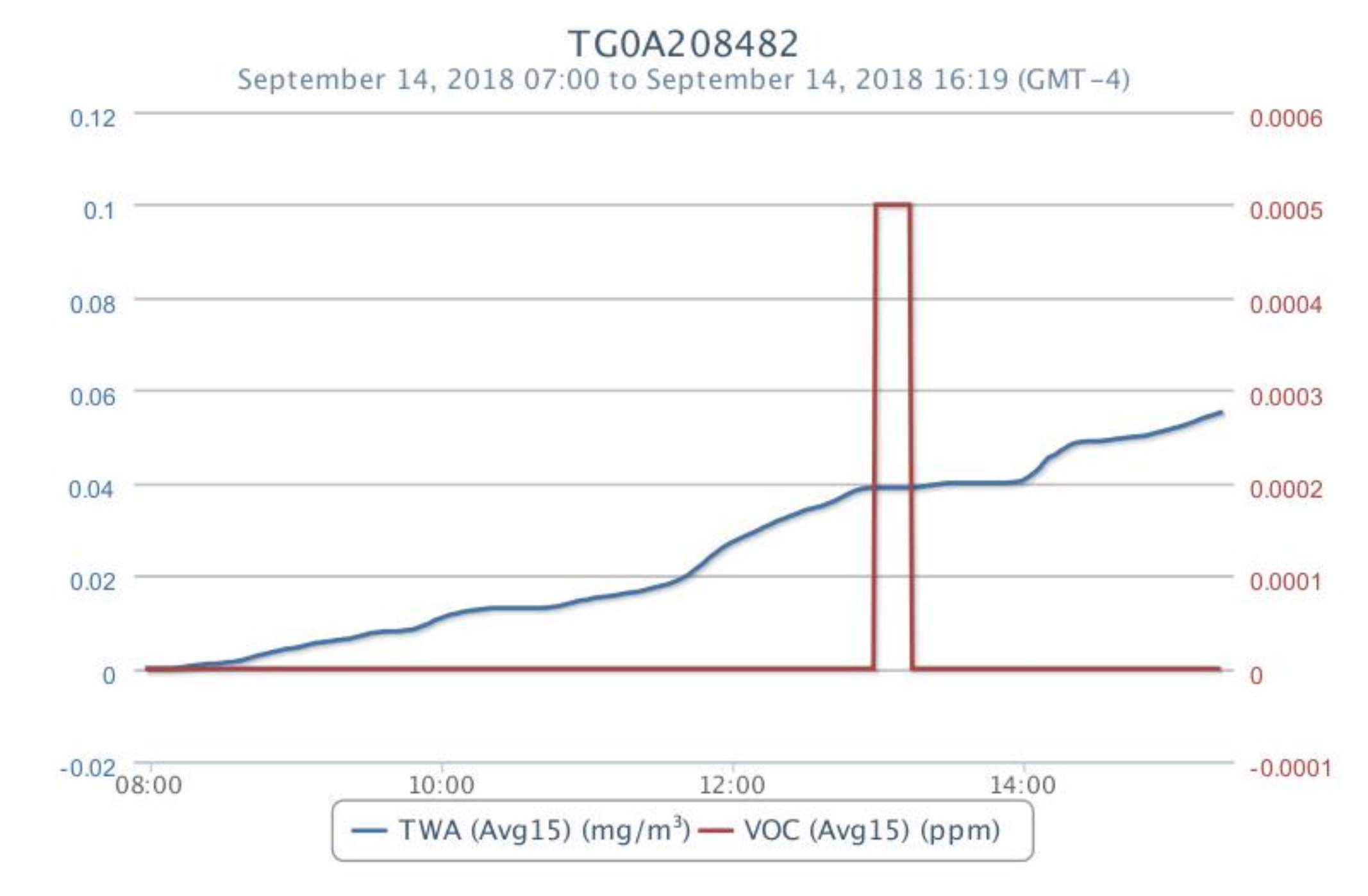

TG0A208482
September 04, 2018 00:00 to September 04, 2018 20:07 (GMT-4)
0.025
0.02
0.015
0.01
0.005
0
-0.005
2.5
2
1.5
1
0.5
0
-0.5
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

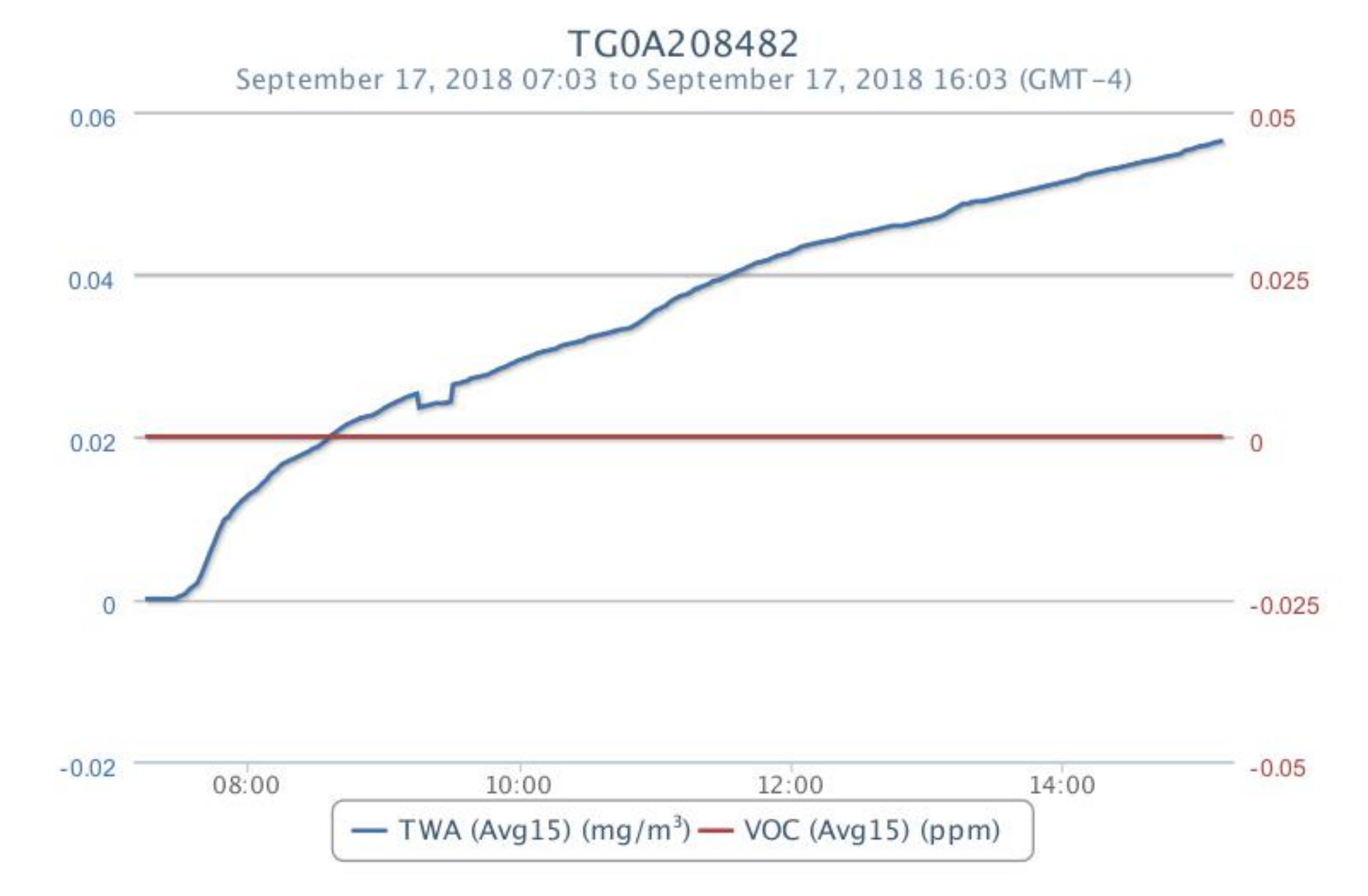

TG0A208482
September 05, 2018 00:00 to September 05, 2018 15:25 (GMT-4)
0.04
0.03
0.02
0.01
0
-0.01
0.4
0.3
0.2
0.1
0
-0.1
08:30
09:00
09:30
10:00
10:30
11:00
11:30
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

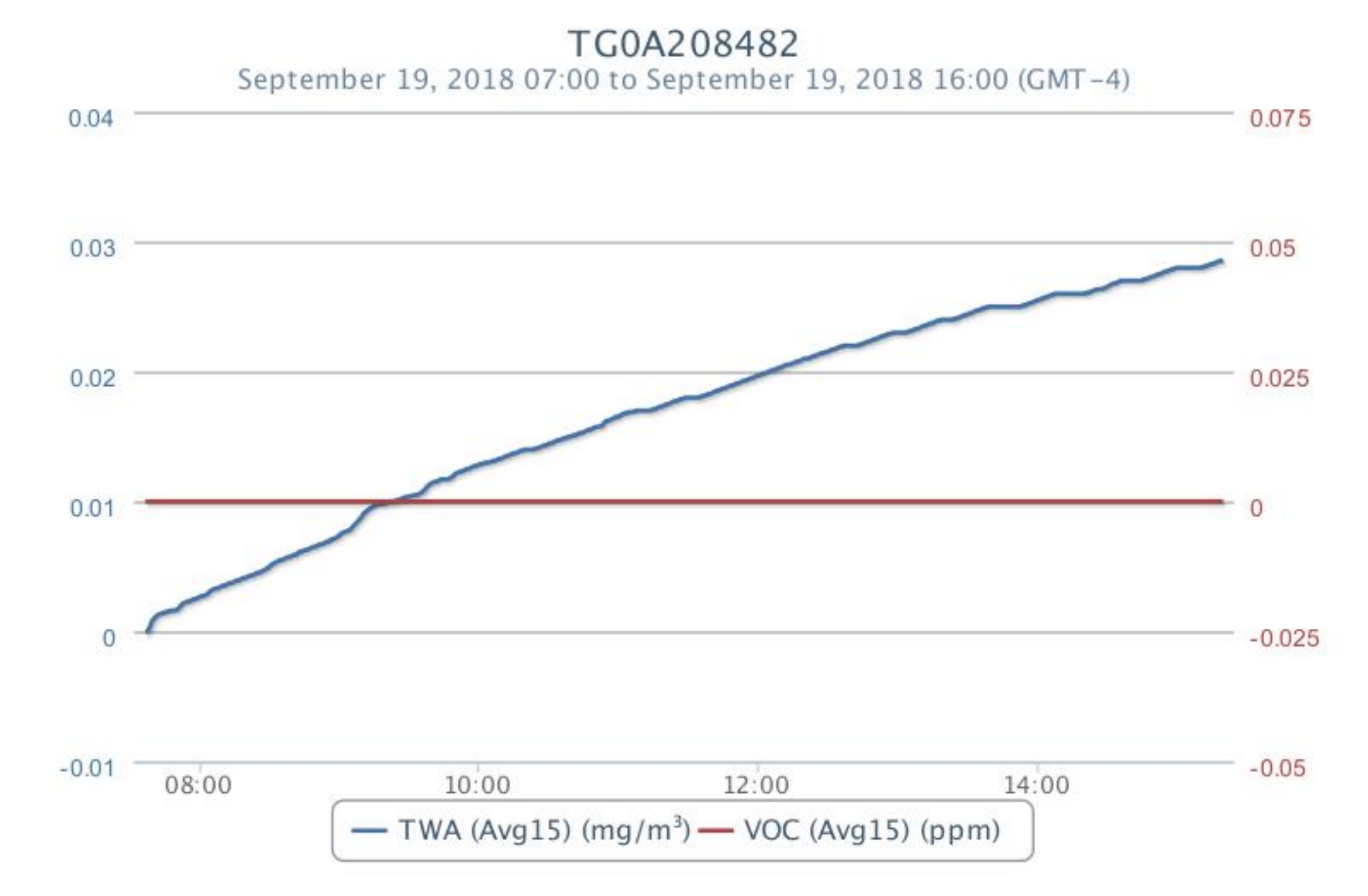

TG0A208482
September 06, 2018 00:00 to September 06, 2018 15:29 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.1
0.08
0.06
0.04
0.02
0
-0.02
09:00
09:30
10:00
10:30
11:00
11:30
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

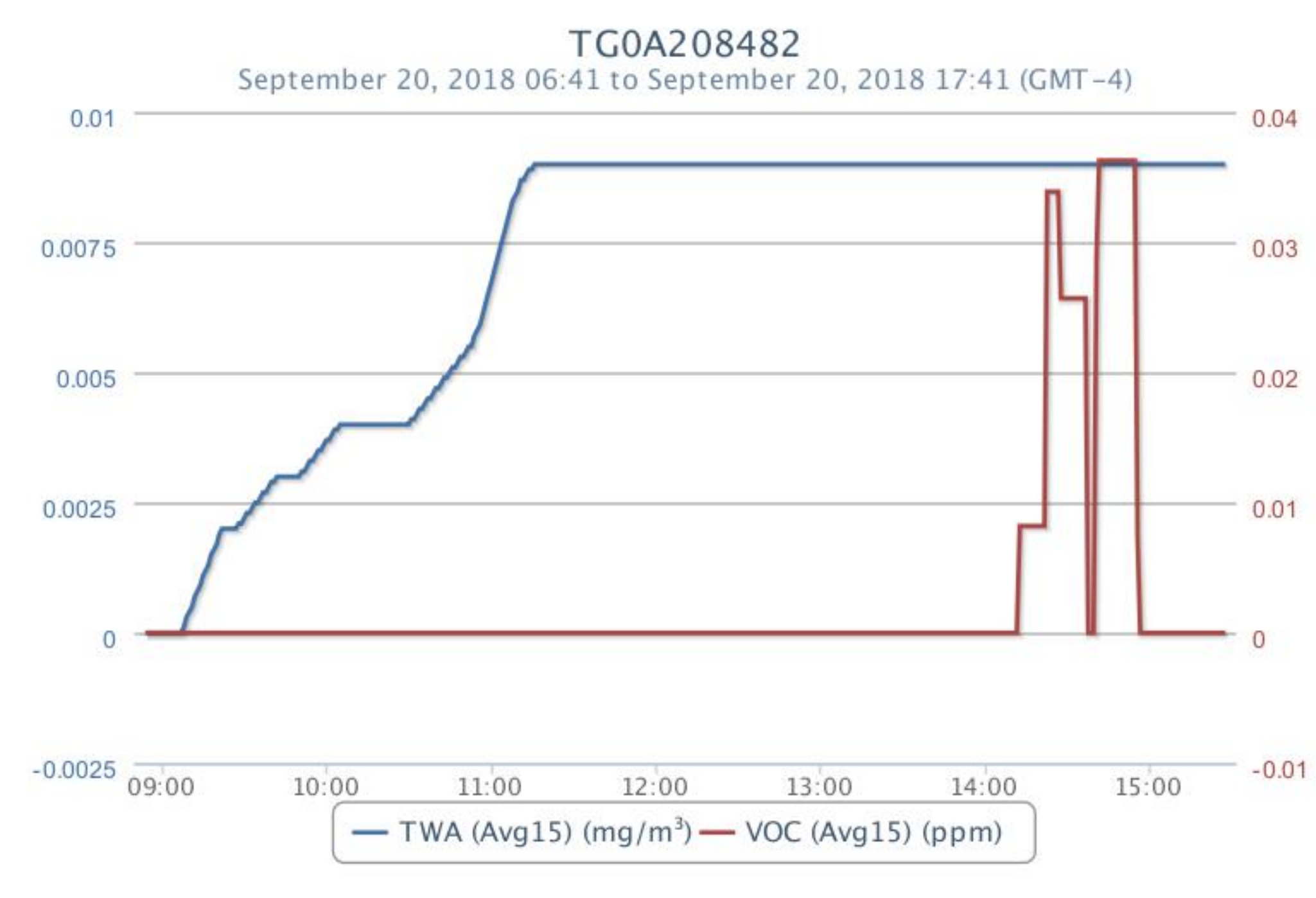

TG0A208482
September 12, 2018 06:13 to September 12, 2018 18:13 (GMT-4)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

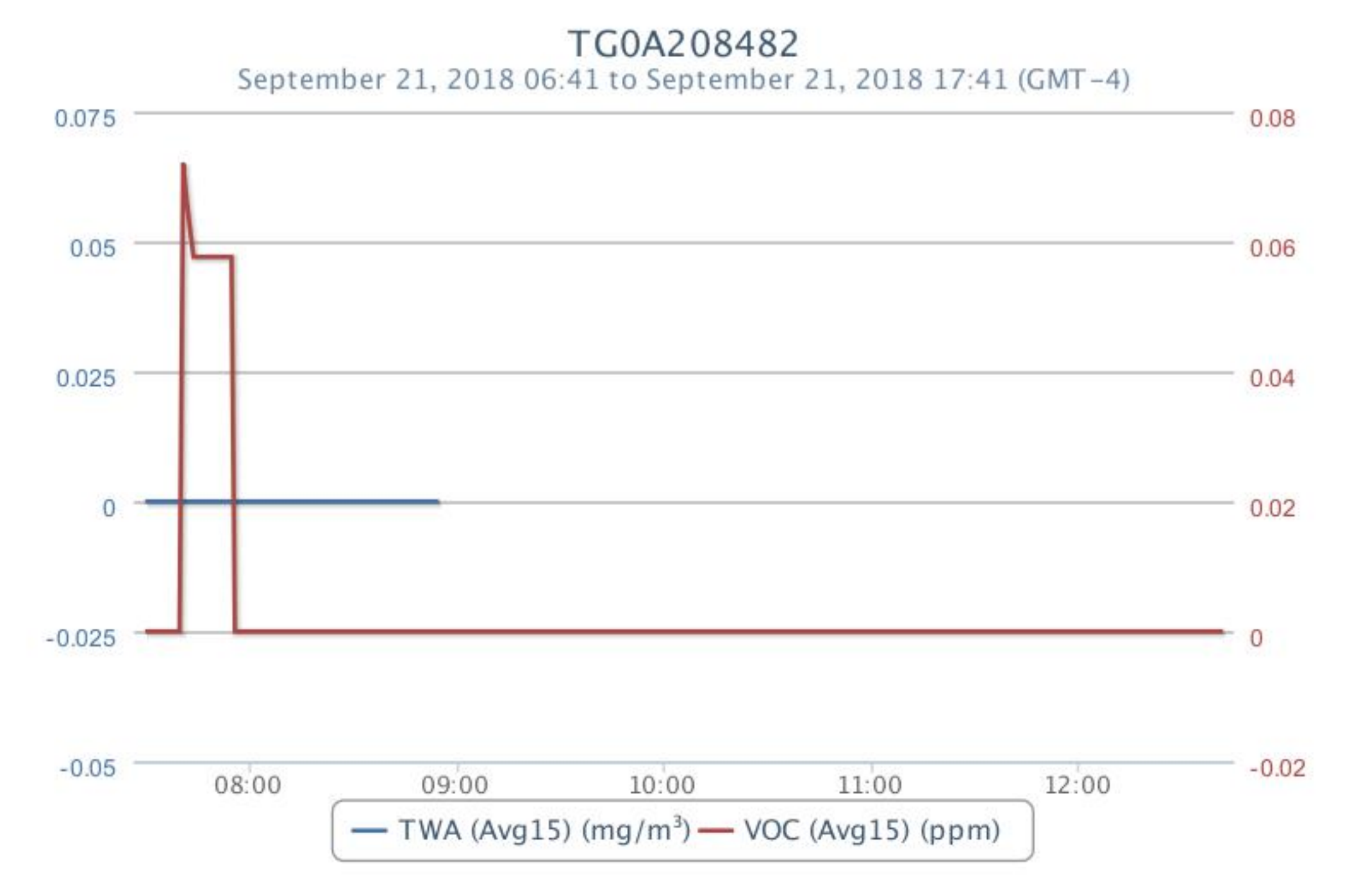

TG0A208482
September 13, 2018 07:00 to September 13, 2018 15:50 (GMT-4)
0.025
0.02
0.015
0.01
0.005
0
-0.005
0.1
0.08
0.06
0.04
0.02
0
-0.02
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

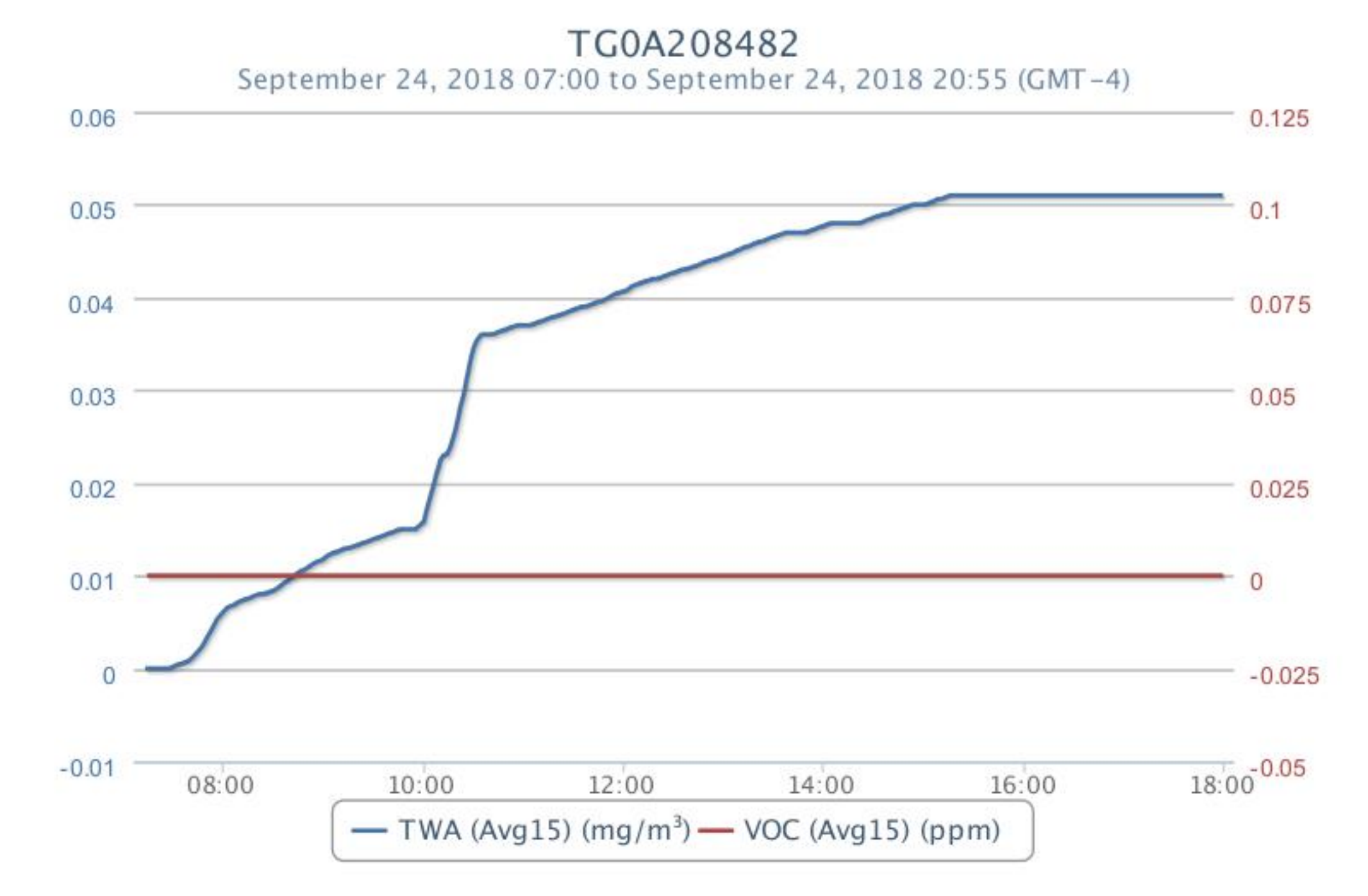

TG0A208482
September 14, 2018 07:00 to September 14, 2018 16:19 (GMT-4)
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.02
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0
-0.0001
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

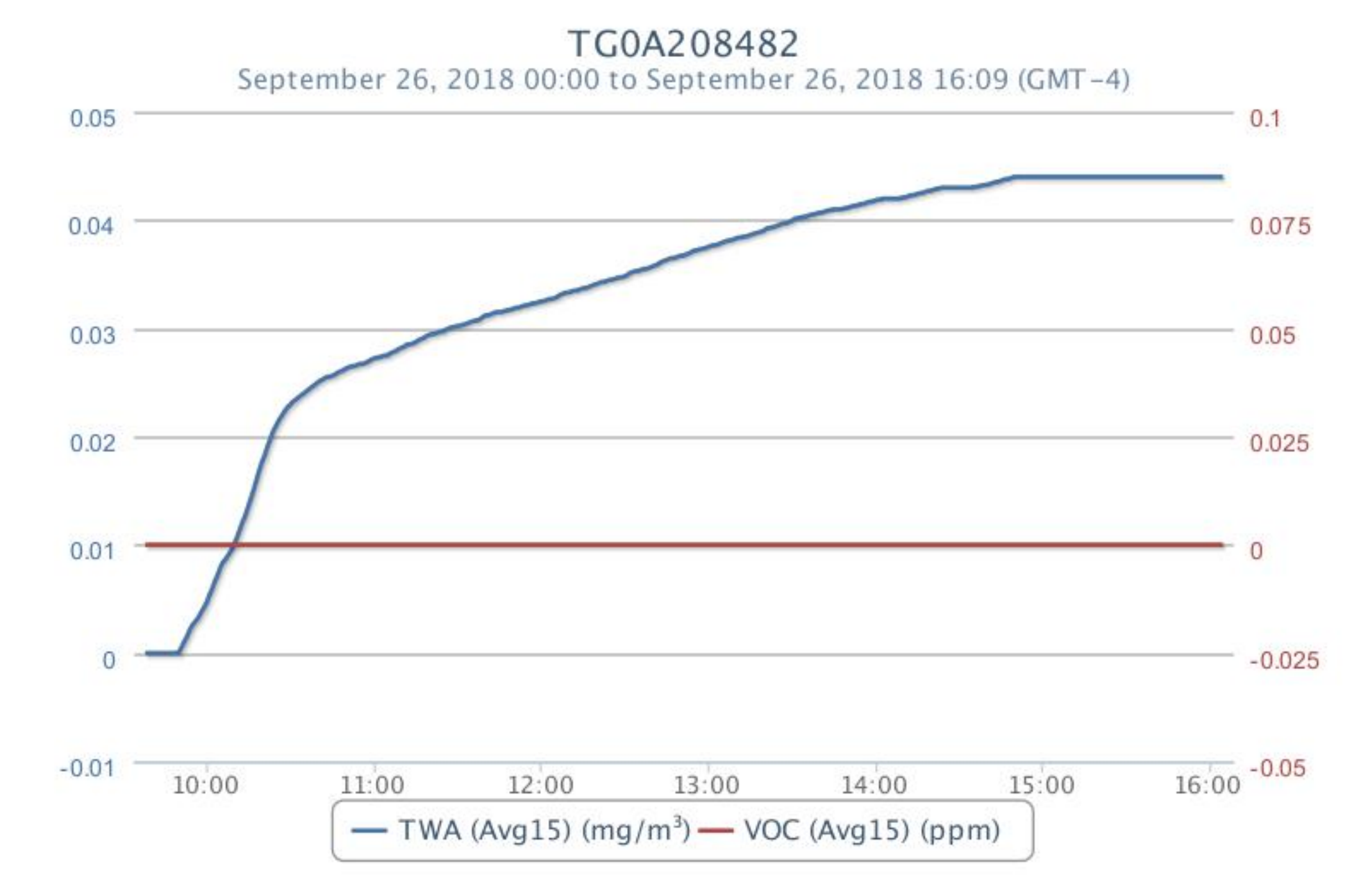

TG0A208482
September 17, 2018 07:03 to September 17, 2018 16:03 (GMT-4)
0.06
0.04
0.02
0
-0.02
0.05
0.025
0
-0.025
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

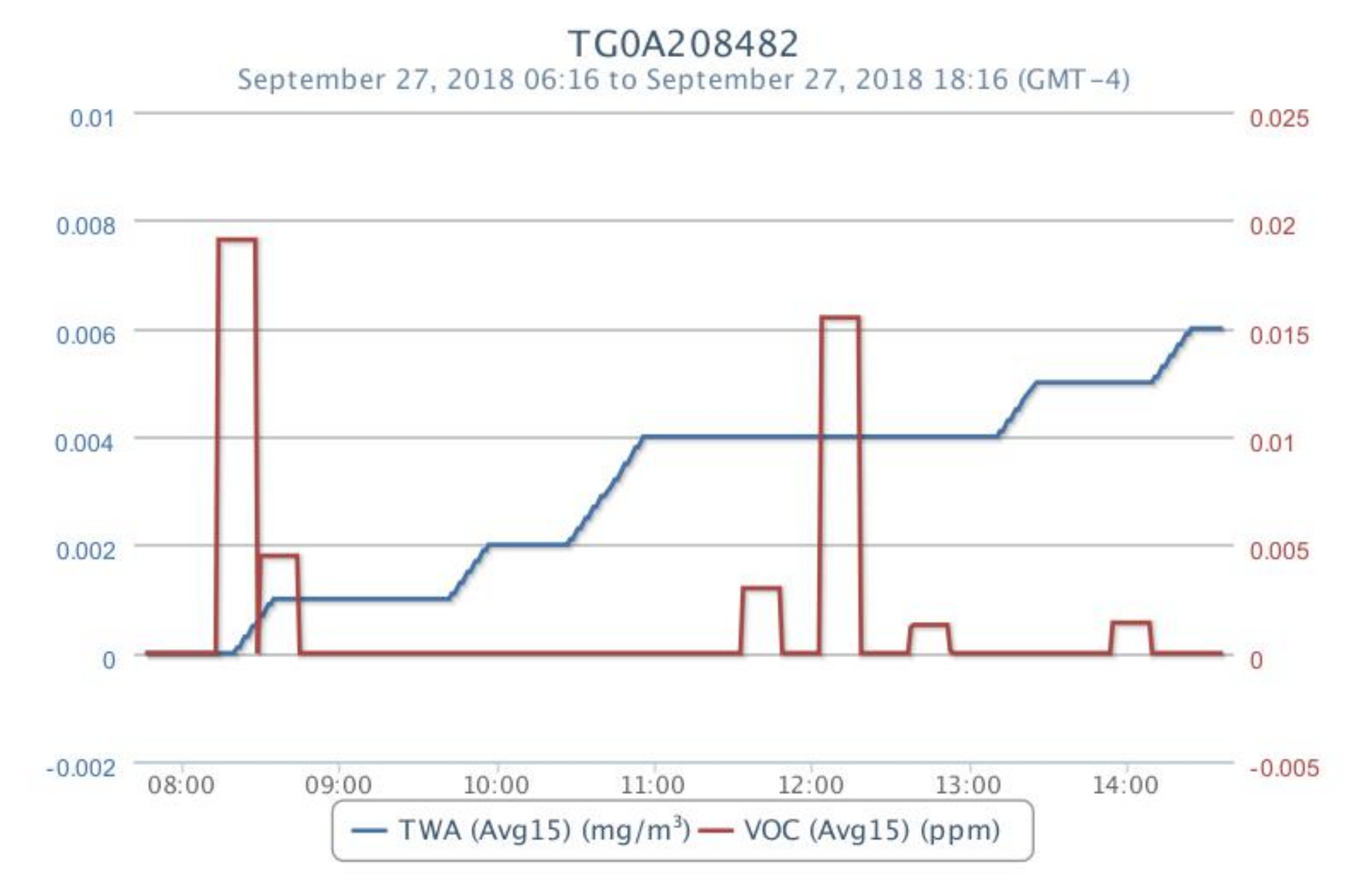

TG0A208482
September 19, 2018 07:00 to September 19, 2018 16:00 (GMT-4)
0.04
0.03
0.02
0.01
0
-0.01
0.075
0.05
0.025
0
-0.025
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

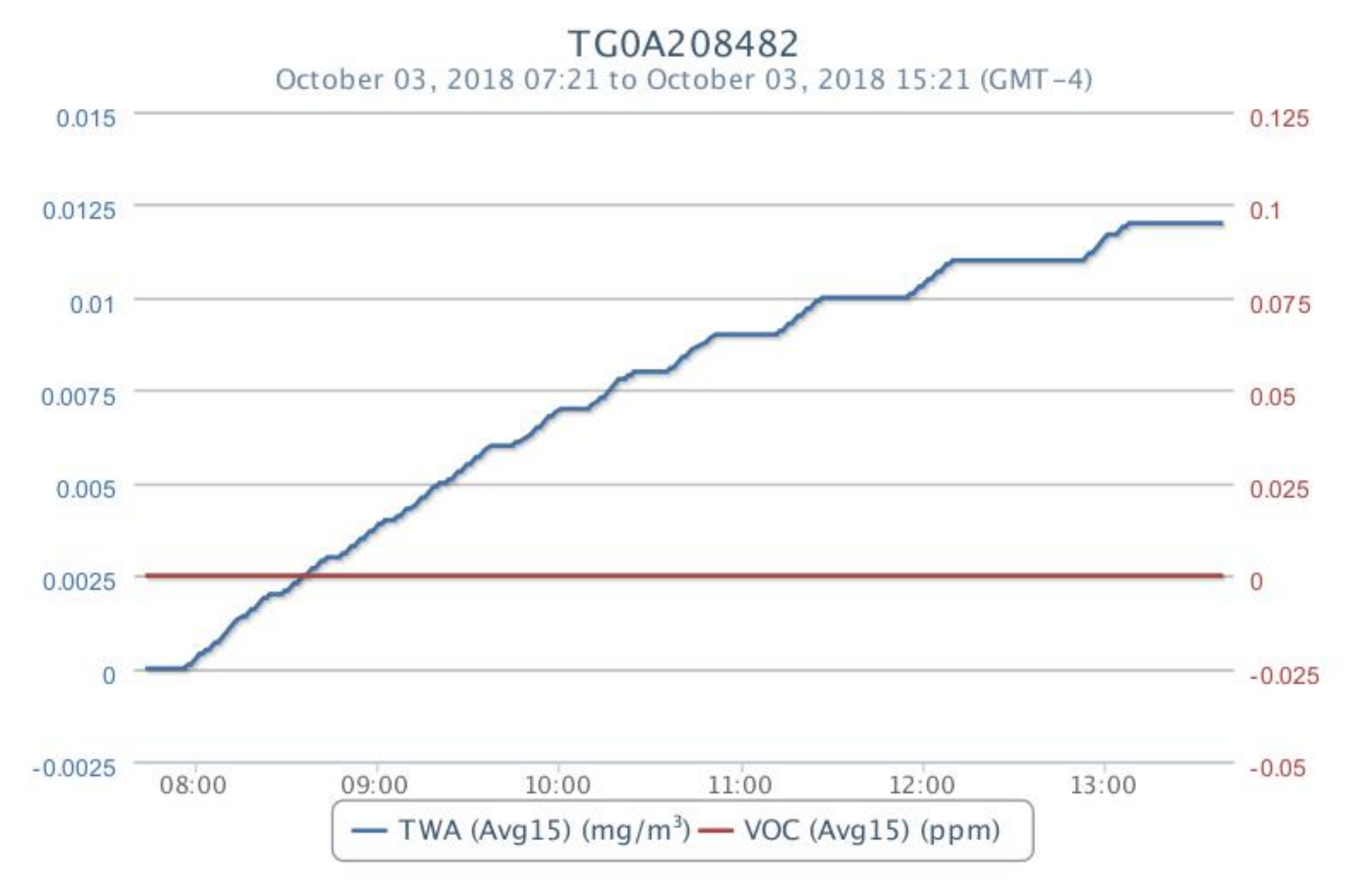

TG0A208482
September 20, 2018 06:41 to September 20, 2018 17:41 (GMT-4)
0.01
0.0075
0.005
0.0025
0
-0.0025
0.04
0.03
0.02
0.01
0
-0.01
09:00
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

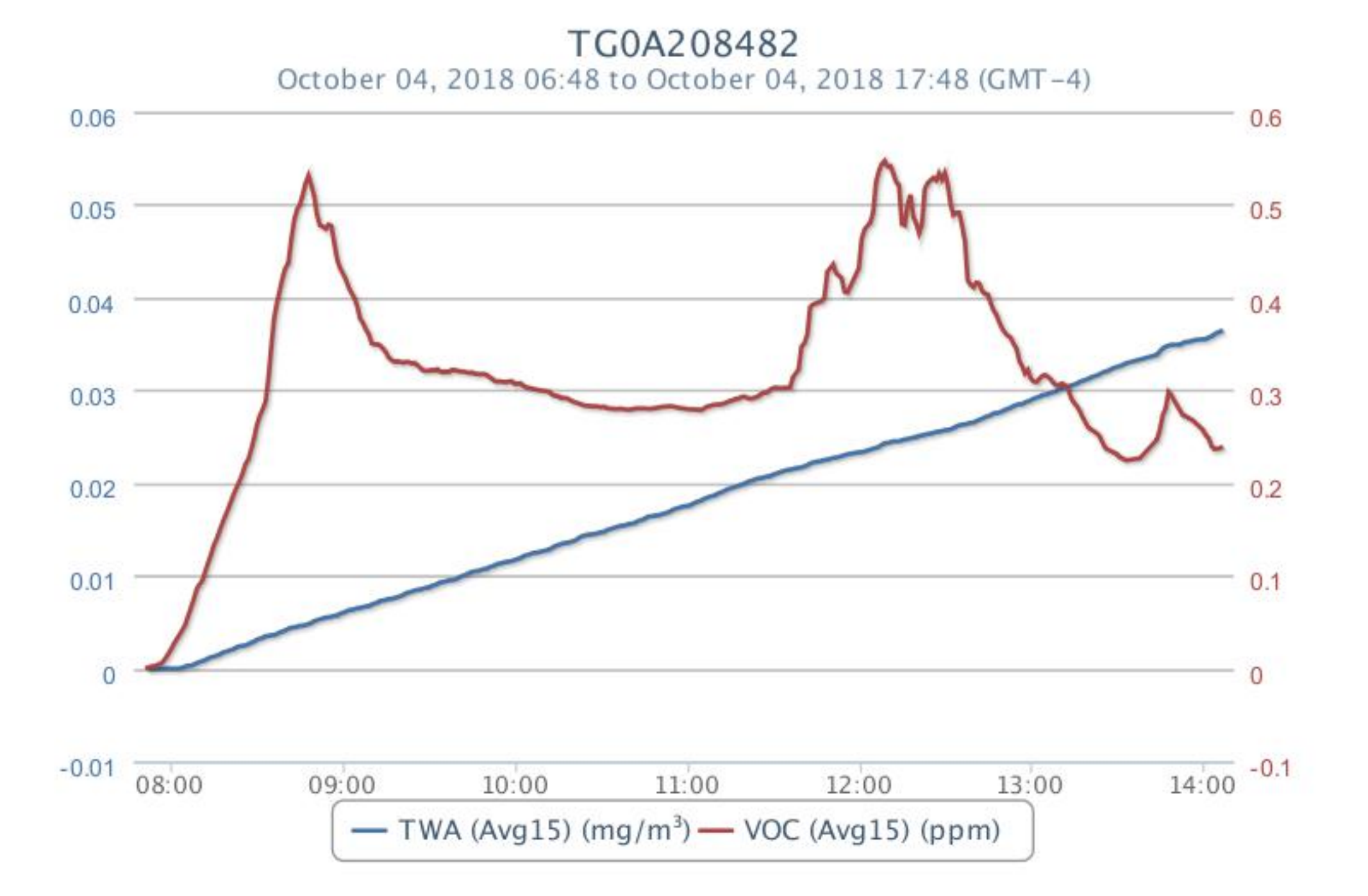

TG0A208482
September 21, 2018 06:41 to September 21, 2018 17:41 (GMT-4)
0.075
0.05
0.025
0
-0.025
-0.05
0.08
0.06
0.04
0.02
0
-0.02
08:00
09:00
10:00
11:00
12:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
September 24, 2018 07:00 to September 24, 2018 20:55 (GMT-4)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.125
0.1
0.075
0.05
0.025
0
-0.025
-0.05
08:00
10:00
12:00
14:00
16:00
18:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
September 26, 2018 00:00 to September 26, 2018 16:09 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.1
0.075
0.05
0.025
0
-0.025
-0.05
10:00
11:00
12:00
13:00
14:00
15:00
16:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

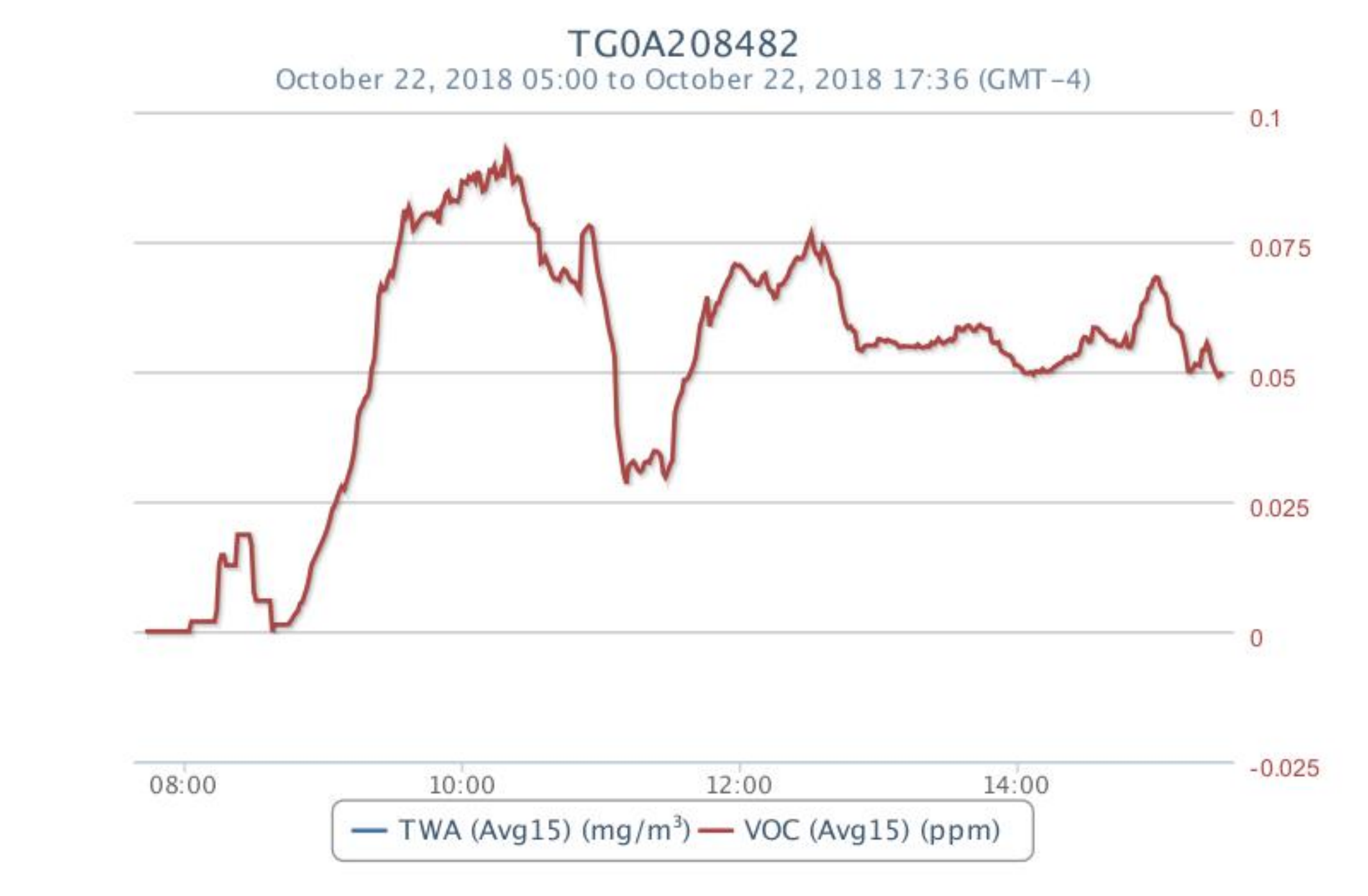

TG0A208482
September 27, 2018 06:16 to September 27, 2018 18:16 (GMT-4)
0.01
0.008
0.006
0.004
0.002
0
-0.002
0.025
0.02
0.015
0.01
0.005
0
-0.005
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

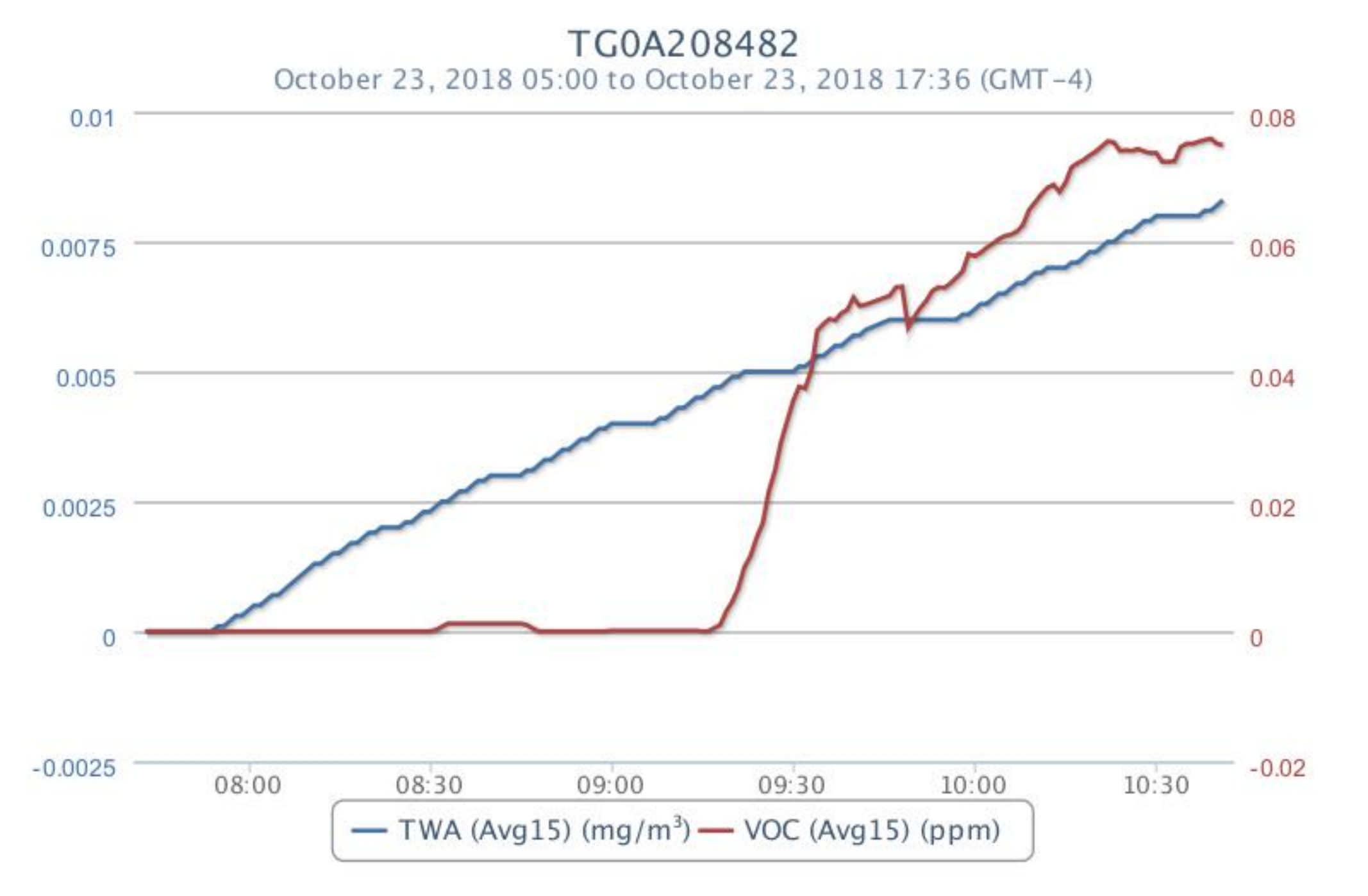

TG0A208482
October 03, 2018 07:21 to October 03, 2018 15:21 (GMT-4)
0.015
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.125
0.1
0.075
0.05
0.025
0
-0.025
-0.05
08:00
09:00
10:00
11:00
12:00
13:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
October 04, 2018 06:48 to October 04, 2018 17:48 (GMT-4)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

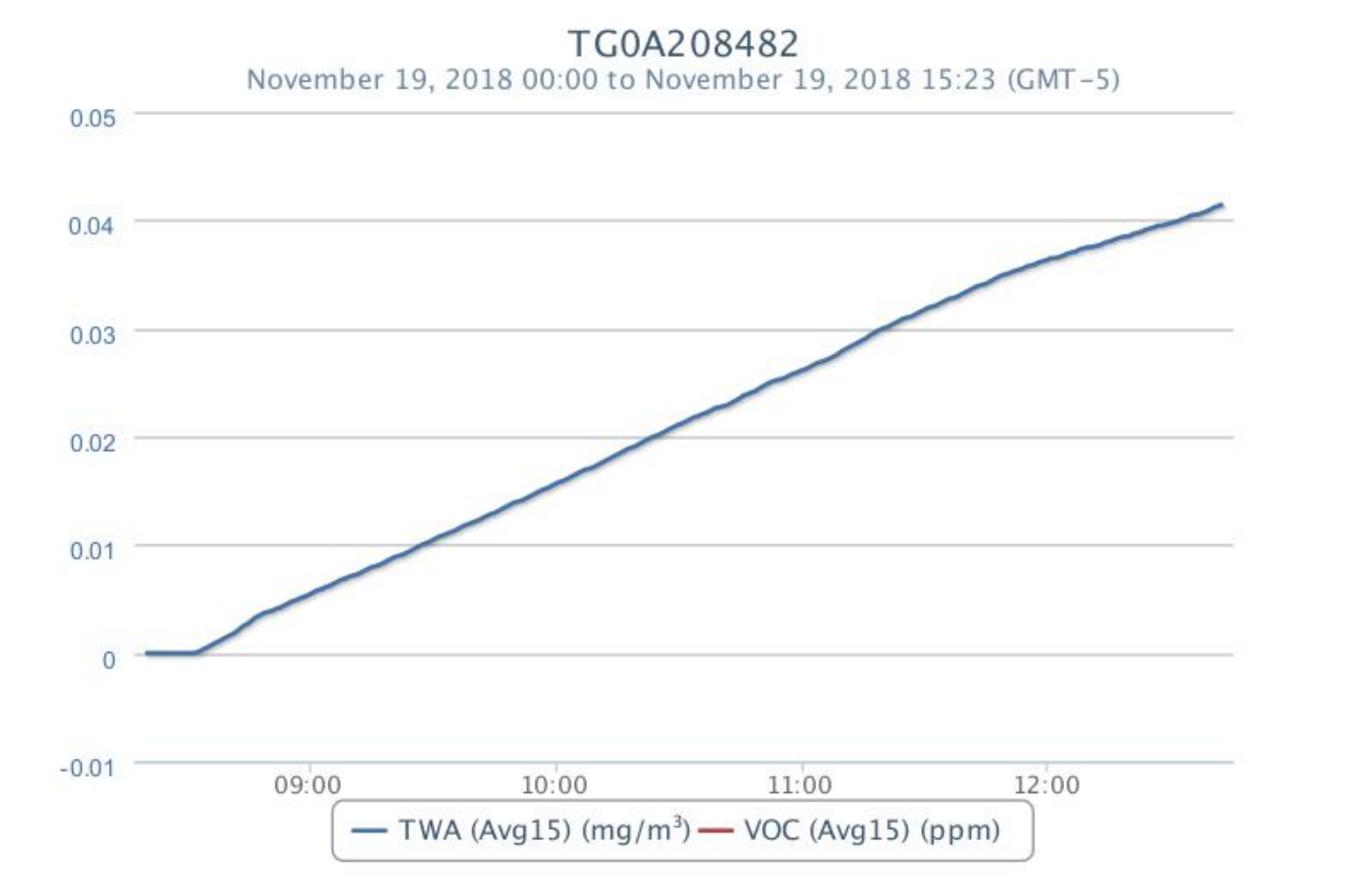

TG0A208482
October 16, 2018 07:00 to October 16, 2018 15:17 (GMT-4)
0.25
0.2
0.15
0.1
0.05
0
-0.05
08:00
09:00
10:00
11:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

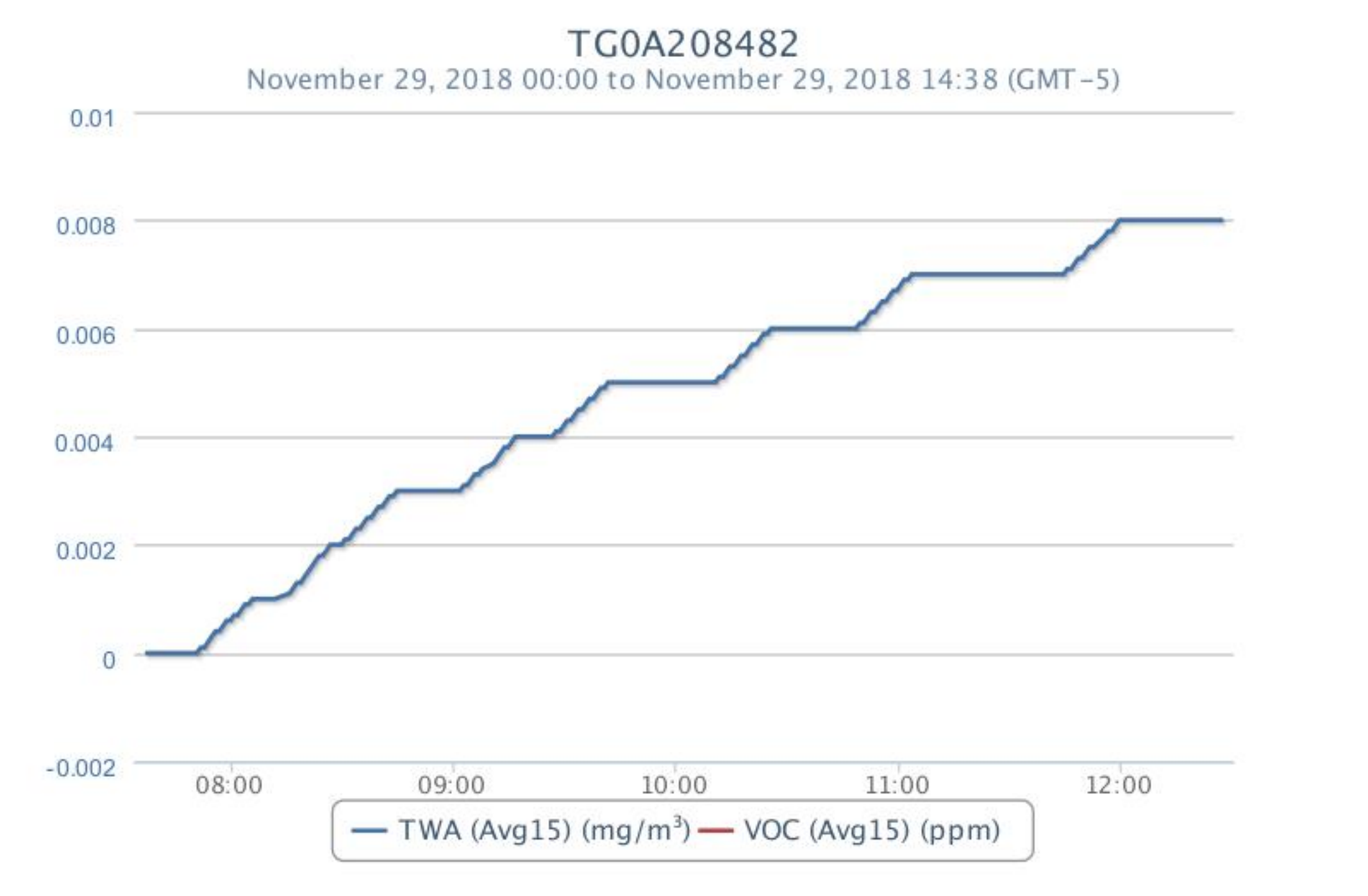

TG0A208482
October 18, 2018 06:12 to October 18, 2018 17:12 (GMT-4)
0.01
0.0075
0.005
0.0025
0
-0.0025
0.2
0.15
0.1
0.05
0
-0.05
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

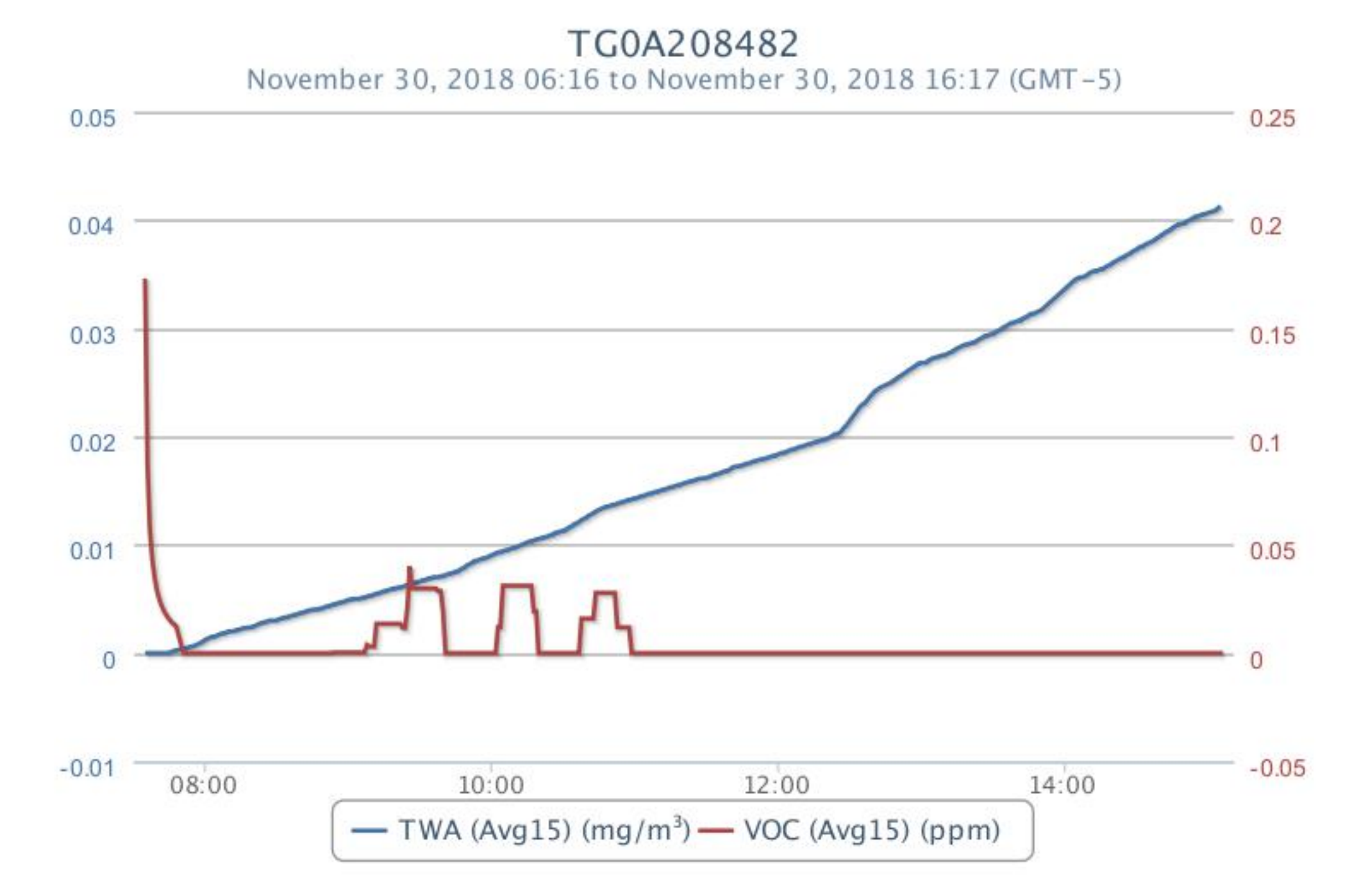

TG0A208482
October 22, 2018 05:00 to October 22, 2018 17:36 (GMT-4)
0.1
0.075
0.05
0.025
0
-0.025
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

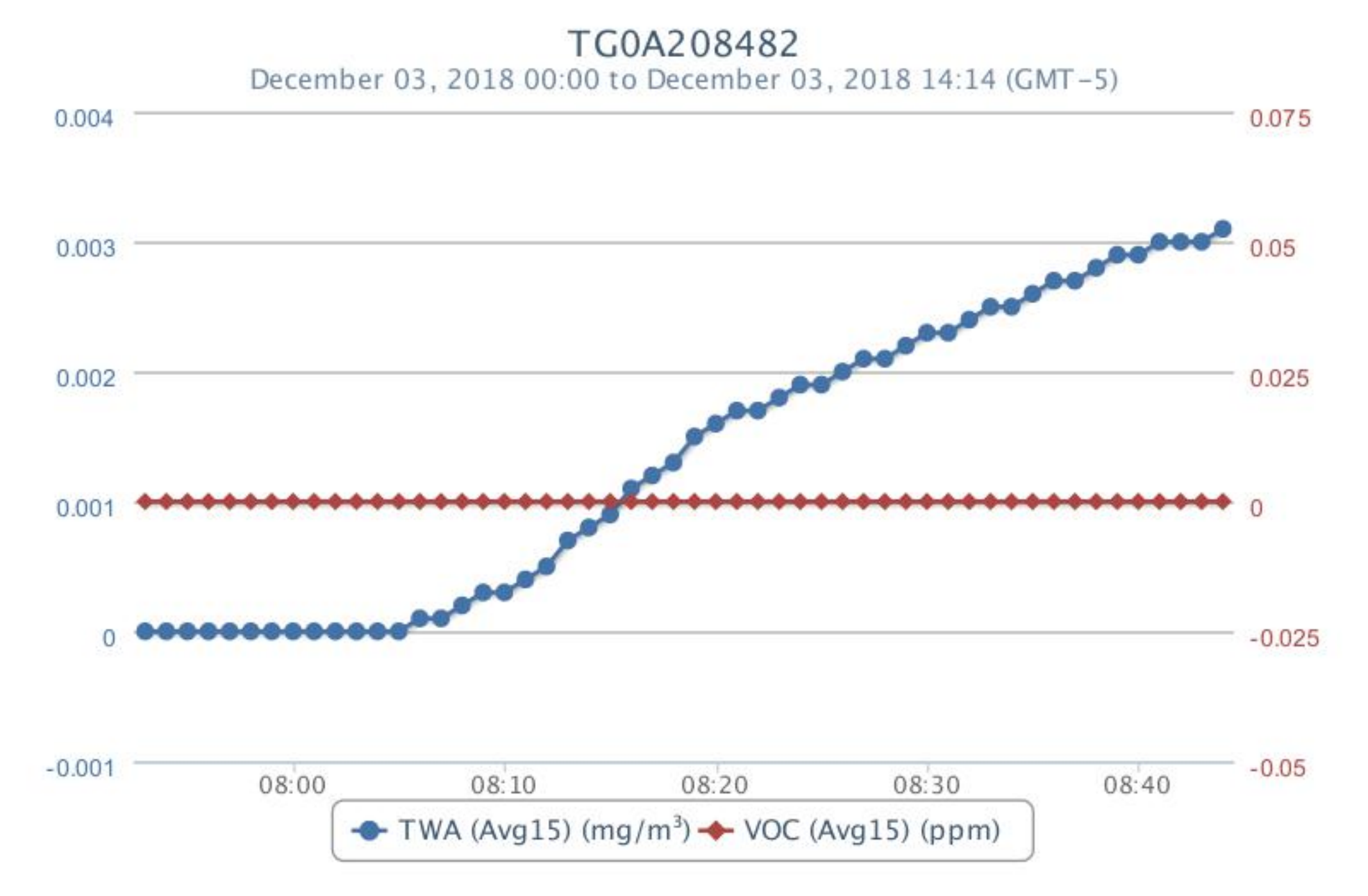

TG0A208482
October 23, 2018 05:00 to October 23, 2018 17:36 (GMT-4)
0.01
0.0075
0.005
0.0025
0
-0.0025
0.08
0.06
0.04
0.02
0
-0.02
08:00
08:30
09:00
09:30
10:00
10:30
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

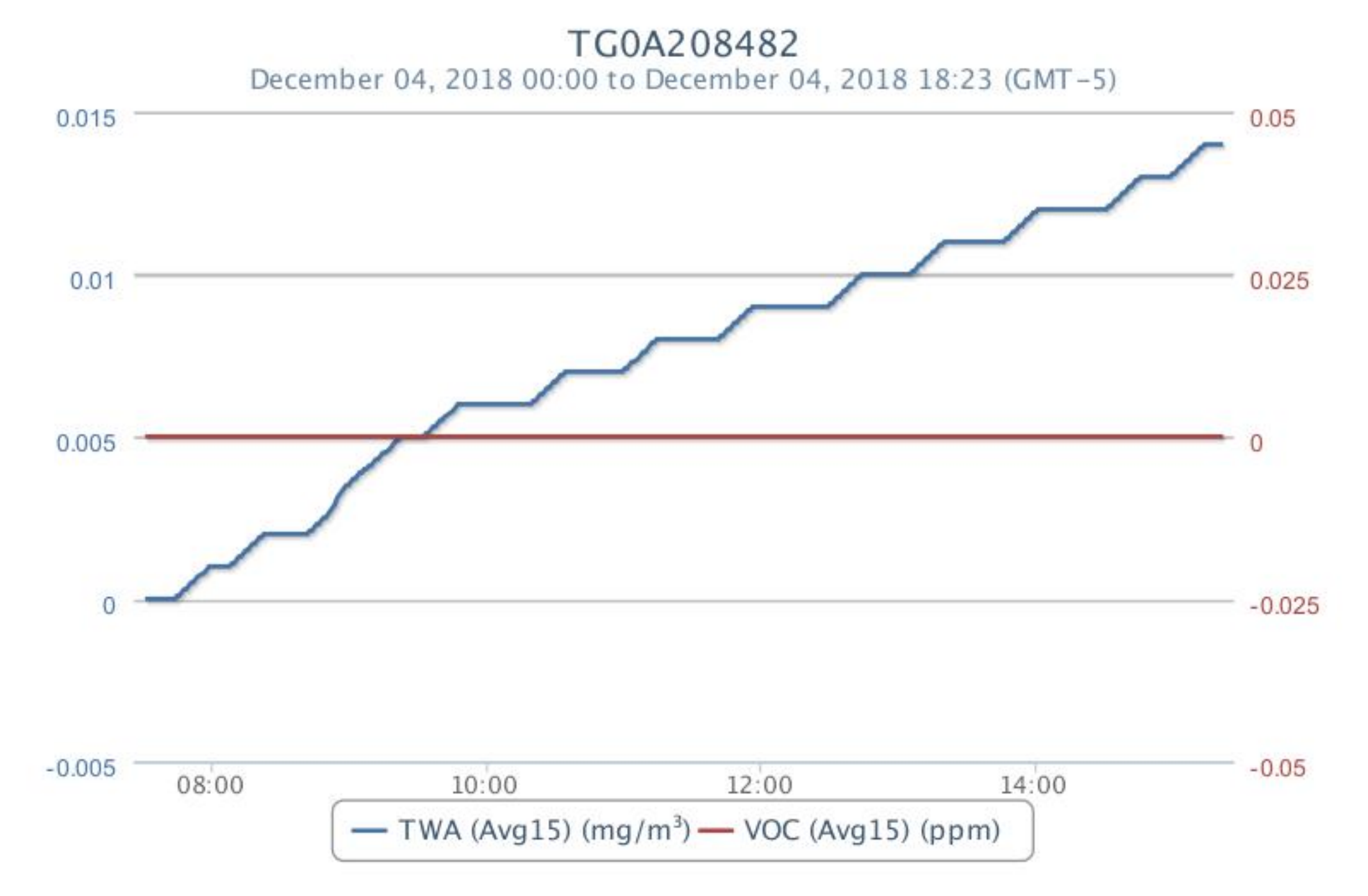

TG0A208482
October 25, 2018 06:54 to October 25, 2018 17:55 (GMT-4)
0.012
0.01
0.008
0.006
0.004
0.002
0
-0.002
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

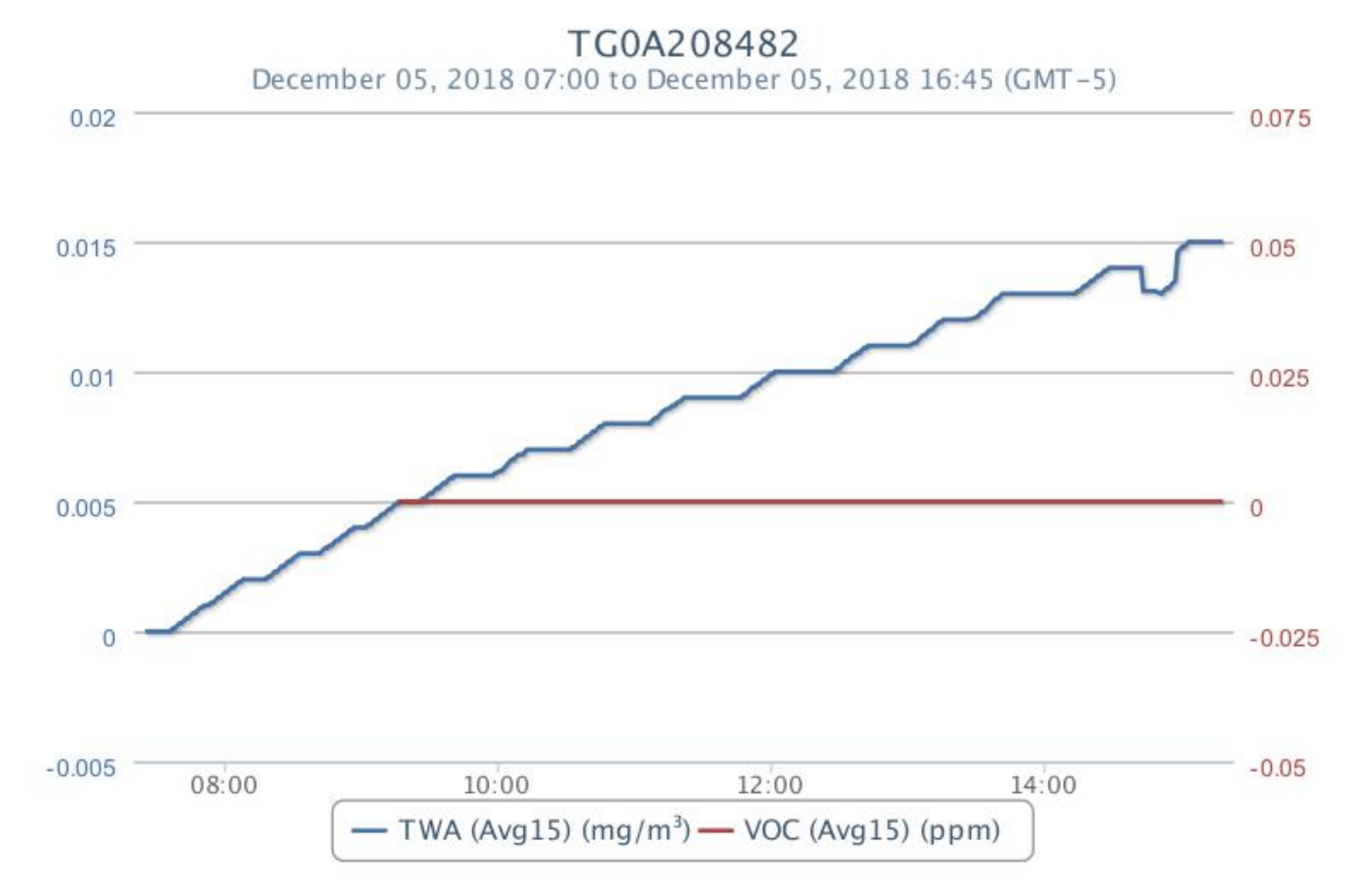

TG0A208482
November 19, 2018 00:00 to November 19, 2018 15:23 (GMT-5)
0.05
0.04
0.03
0.02
0.01
0
-0.01
09:00
10:00
11:00
12:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

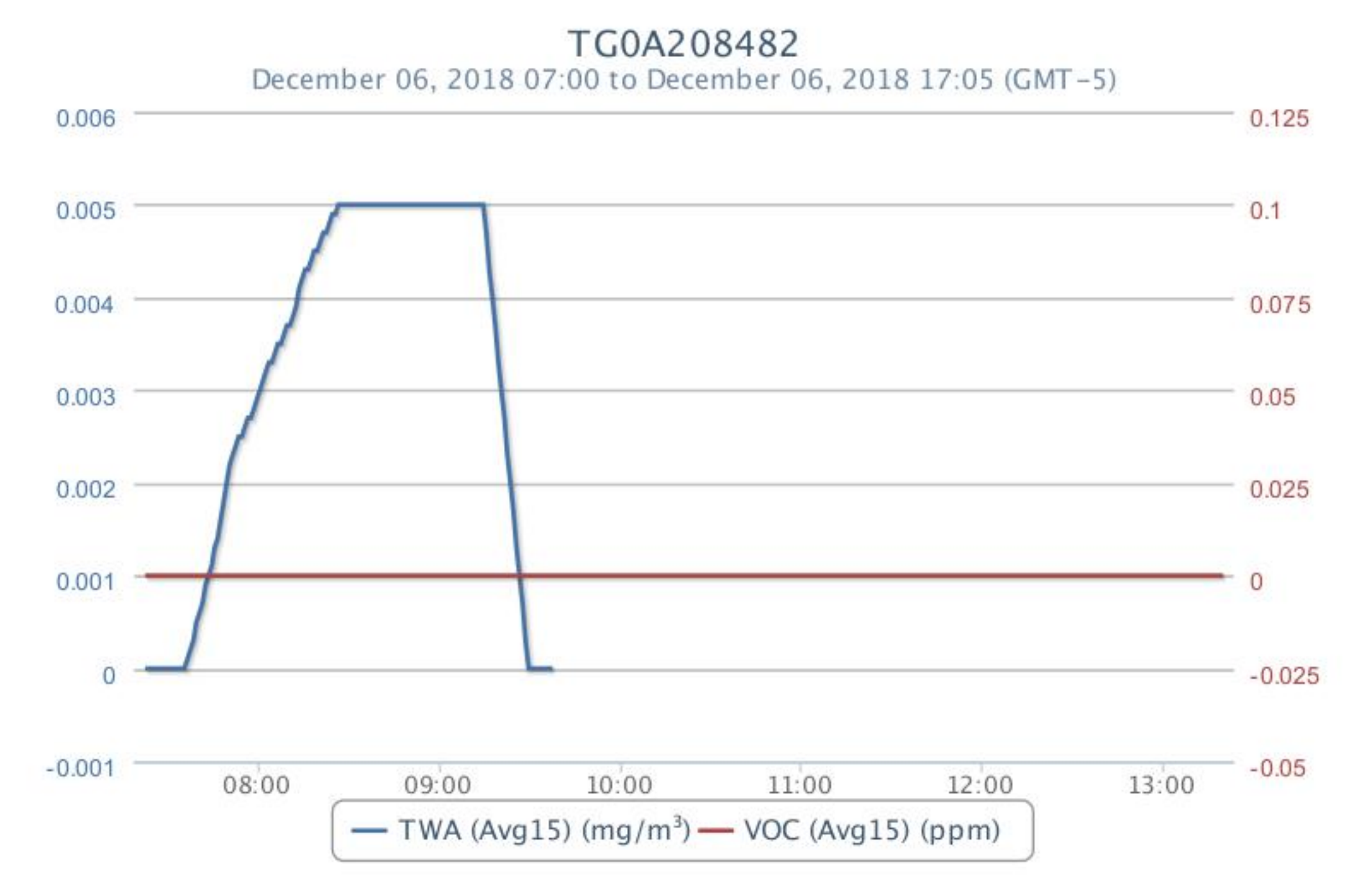

TG0A208482
November 29, 2018 00:00 to November 29, 2018 14:38 (GMT-5)
0.01
0.008
0.006
0.004
0.002
0
-0.002
08:00
09:00
10:00
11:00
12:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
November 30, 2018 06:16 to November 30, 2018 16:17 (GMT-5)
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.25
0.2
0.15
0.1
0.05
0
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

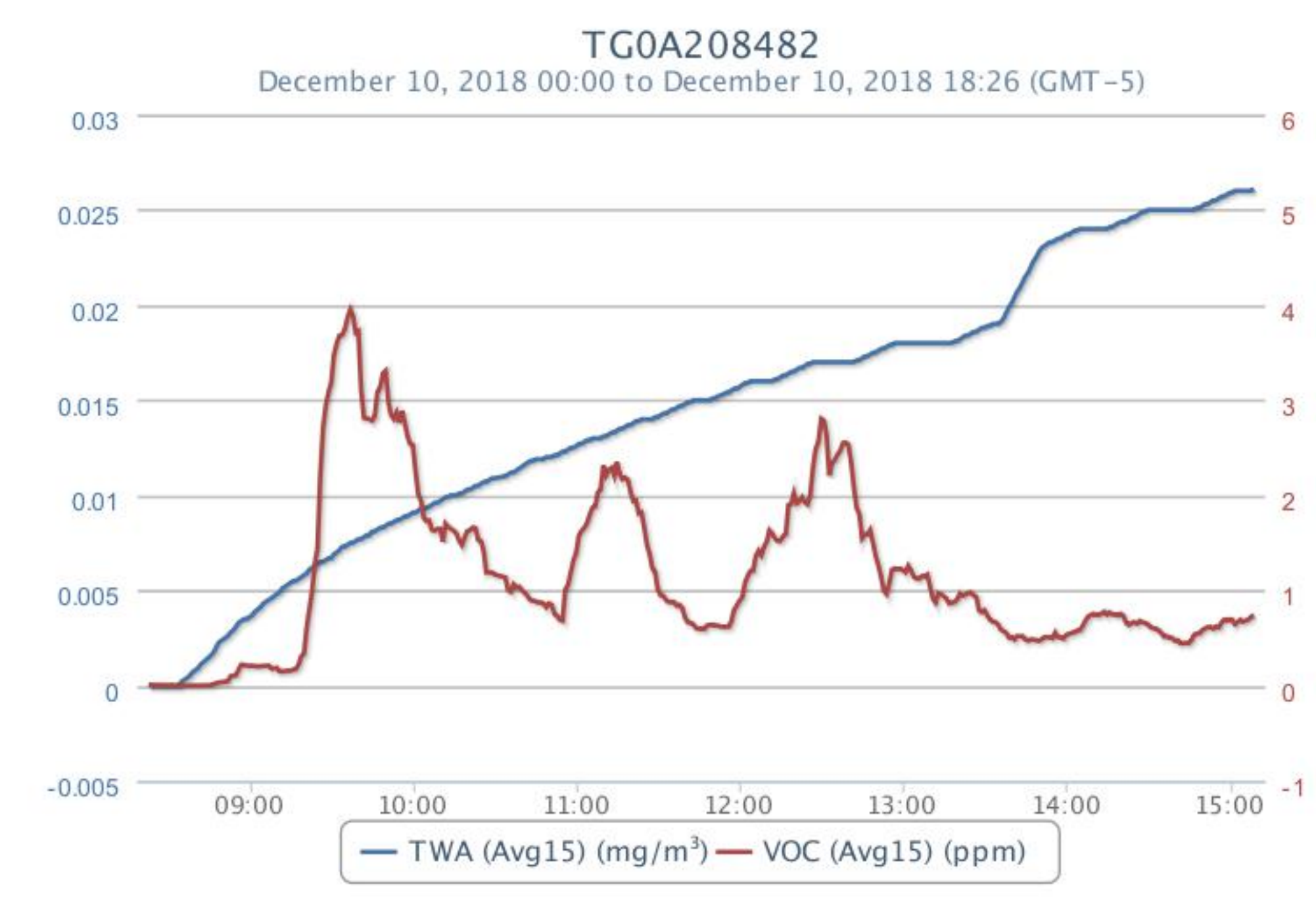

TG0A208482
December 03, 2018 00:00 to December 03, 2018 14:14 (GMT-5)
0.004
0.003
0.002
0.001
0
-0.001
0.075
0.05
0.025
0
-0.025
-0.05
08:00
08:10
08:20
08:30
08:40
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

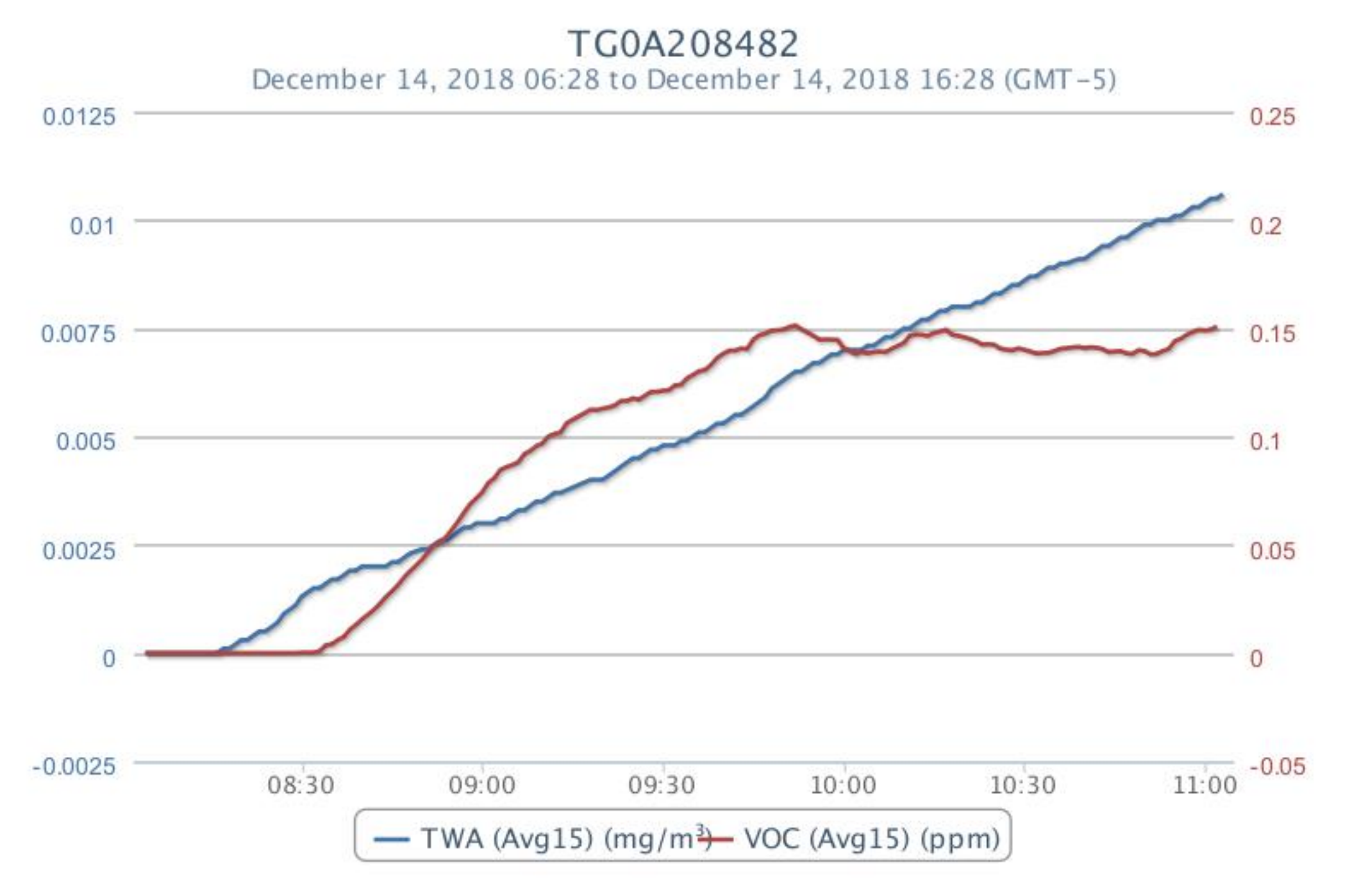

TG0A208482
December 04, 2018 00:00 to December 04, 2018 18:23 (GMT-5)
0.015
0.01
0.005
0
-0.005
0.05
0.025
0
-0.025
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

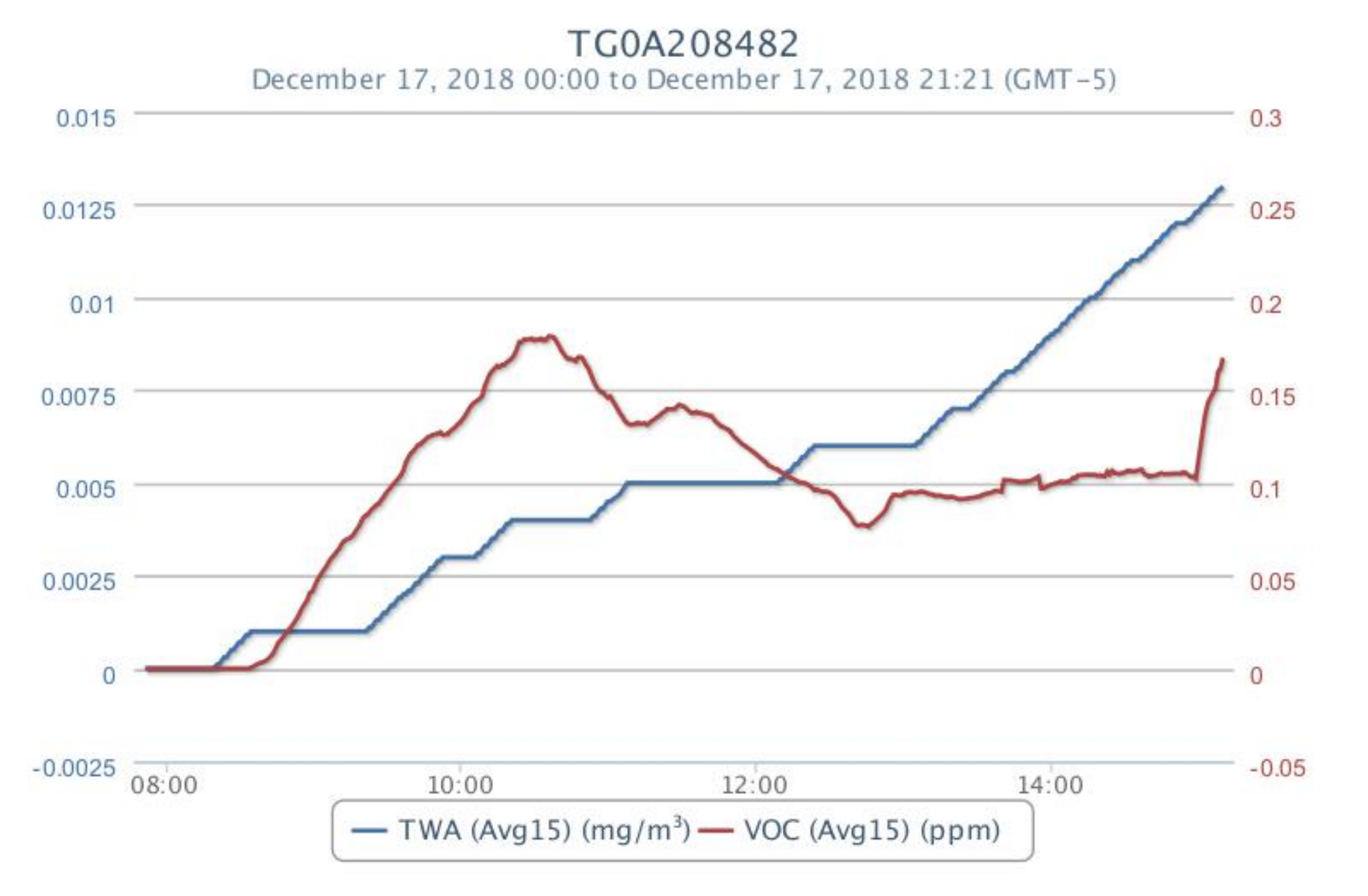

TG0A208482
December 05, 2018 07:00 to December 05, 2018 16:45 (GMT-5)
0.02
0.015
0.01
0.005
0
-0.005
0.075
0.05
0.025
0
-0.025
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

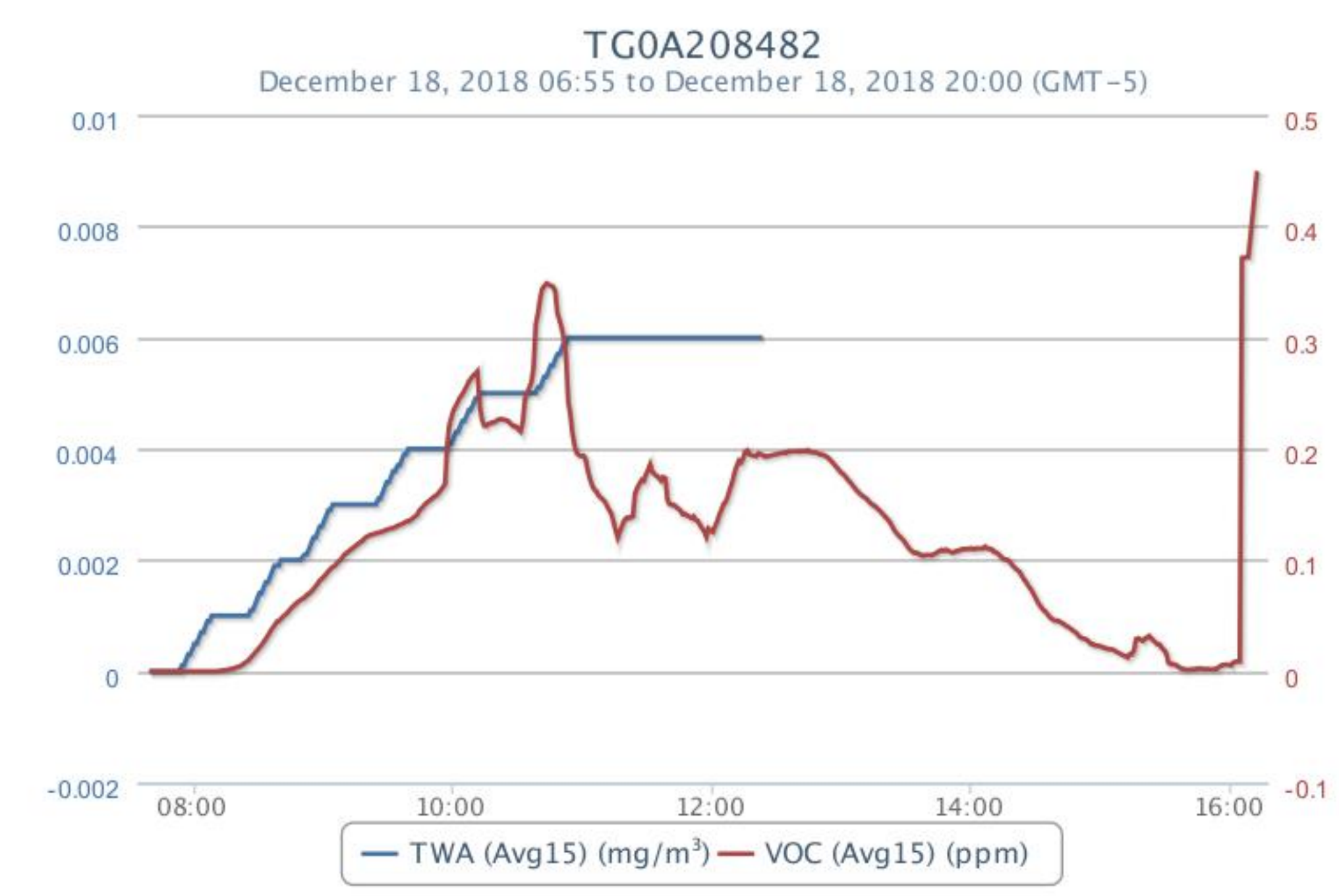

TG0A208482
December 06, 2018 07:00 to December 06, 2018 17:05 (GMT-5)
0.006
0.005
0.004
0.003
0.002
0.001
0
-0.001
0.125
0.1
0.075
0.05
0.025
0
-0.025
-0.05
08:00
09:00
10:00
11:00
12:00
13:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

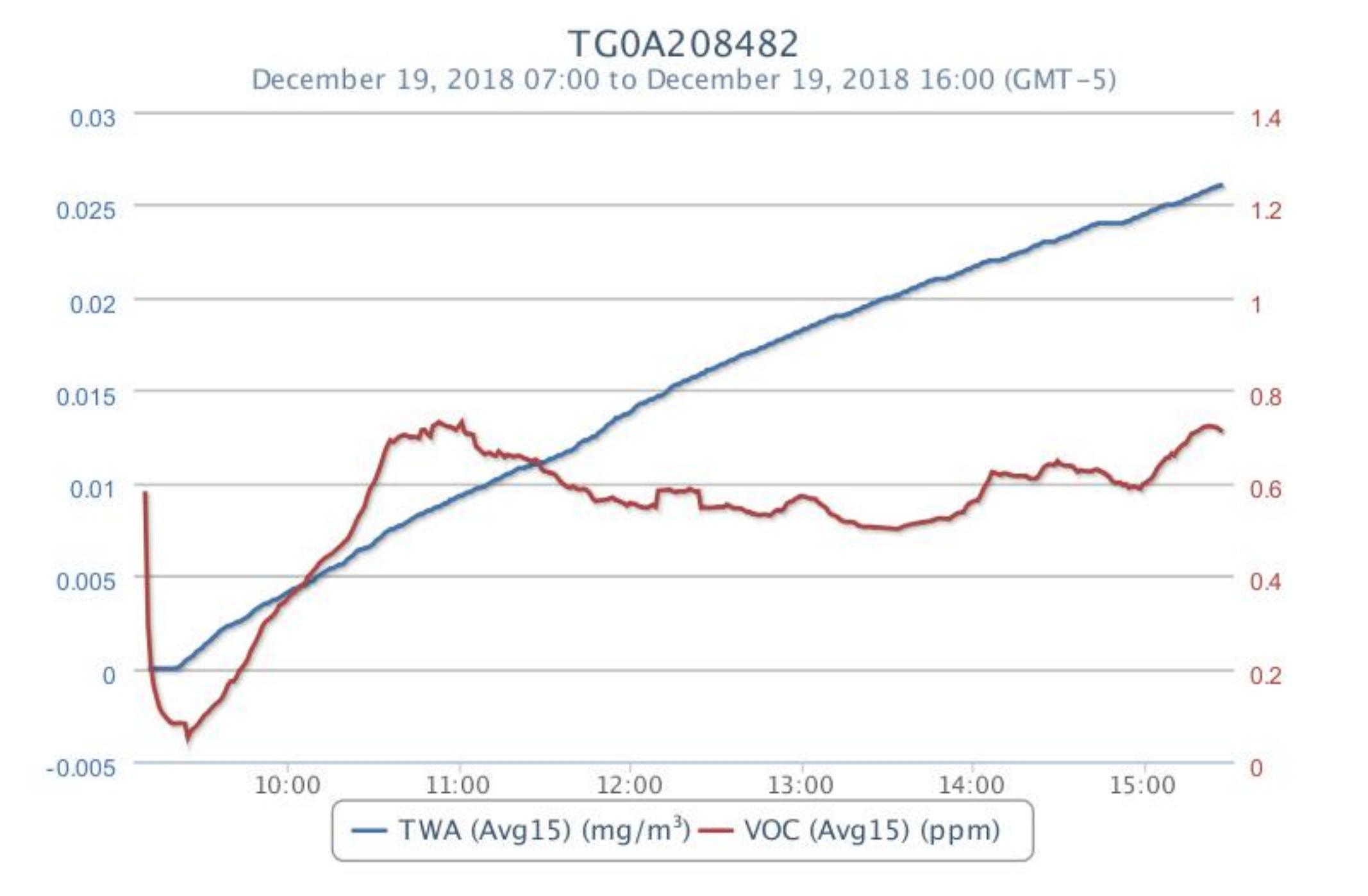

TG0A208482
December 07, 2018 06:25 to December 07, 2018 17:25 (GMT-5)
0.05
0.025
0
-0.025
-0.05
07:30
08:00
08:30
09:00
09:30
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

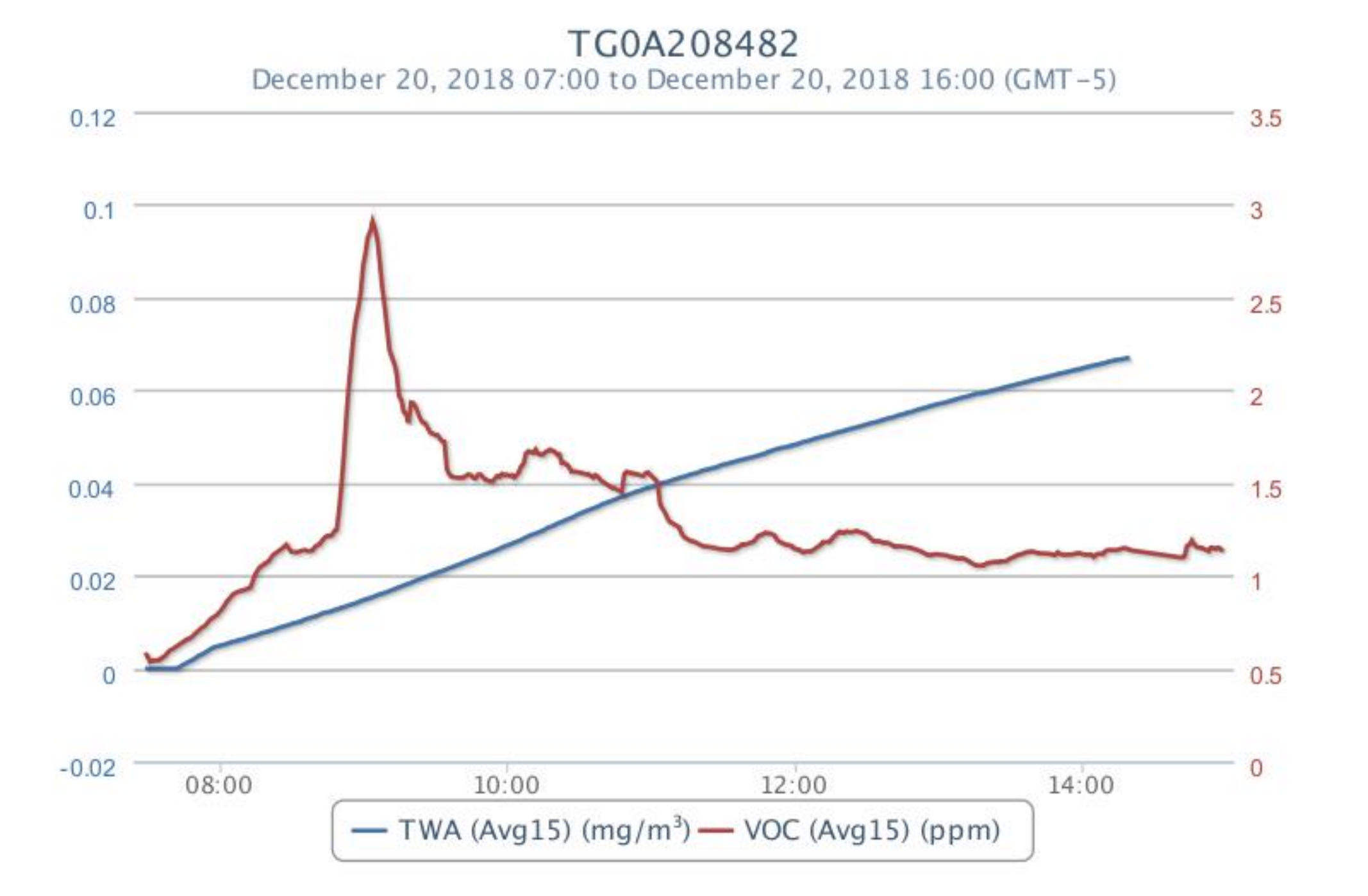

TG0A208482
December 10, 2018 00:00 to December 10, 2018 18:26 (GMT-5)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
6
5
4
3
2
1
0
-1
09:00
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)

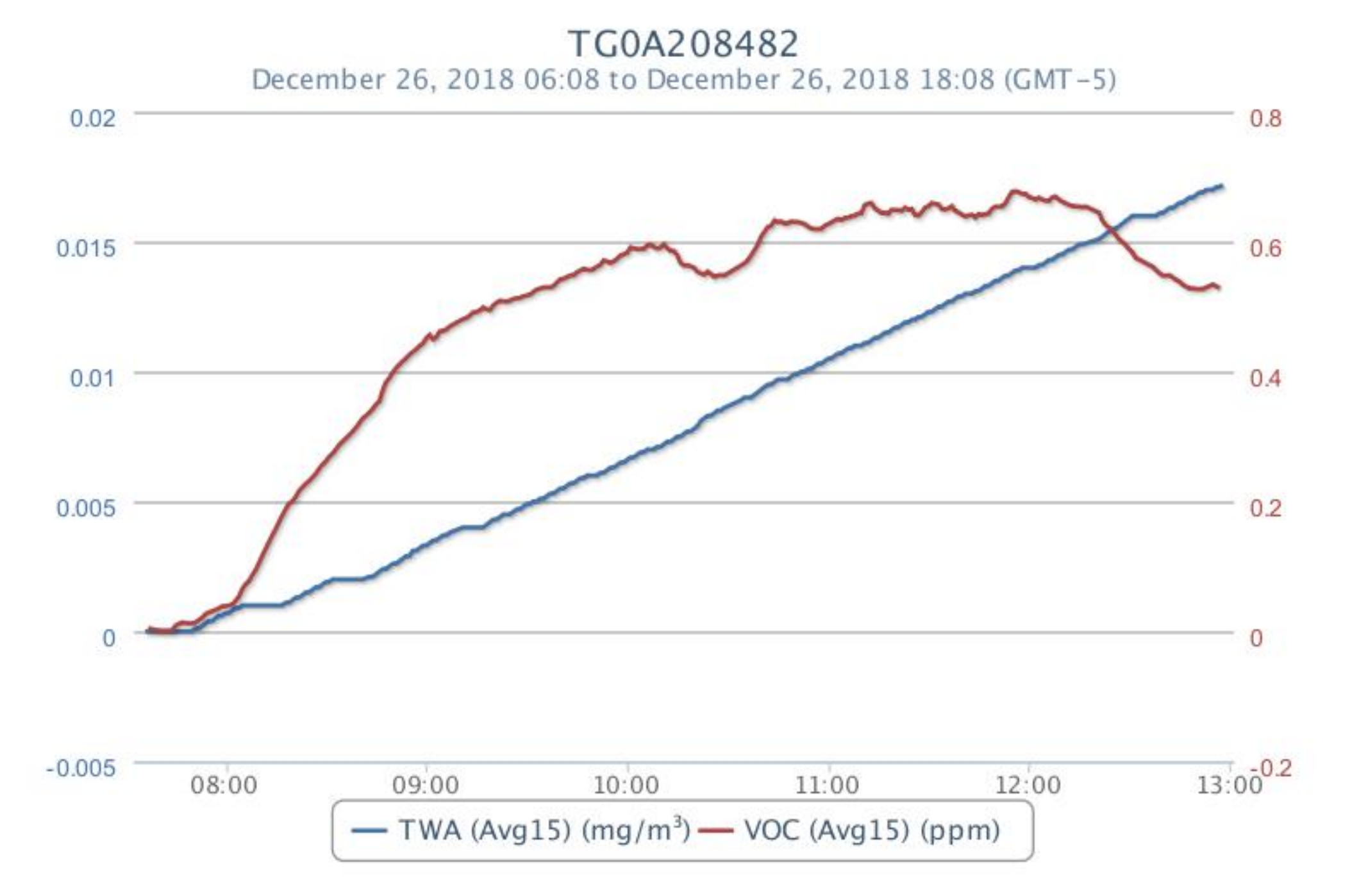

TG0A208482
December 14, 2018 06:28 to December 14, 2018 16:28 (GMT-5)
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.25
0.2
0.15
0.1
0.05
0
-0.05
08:30
09:00
09:30
10:00
10:30
11:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

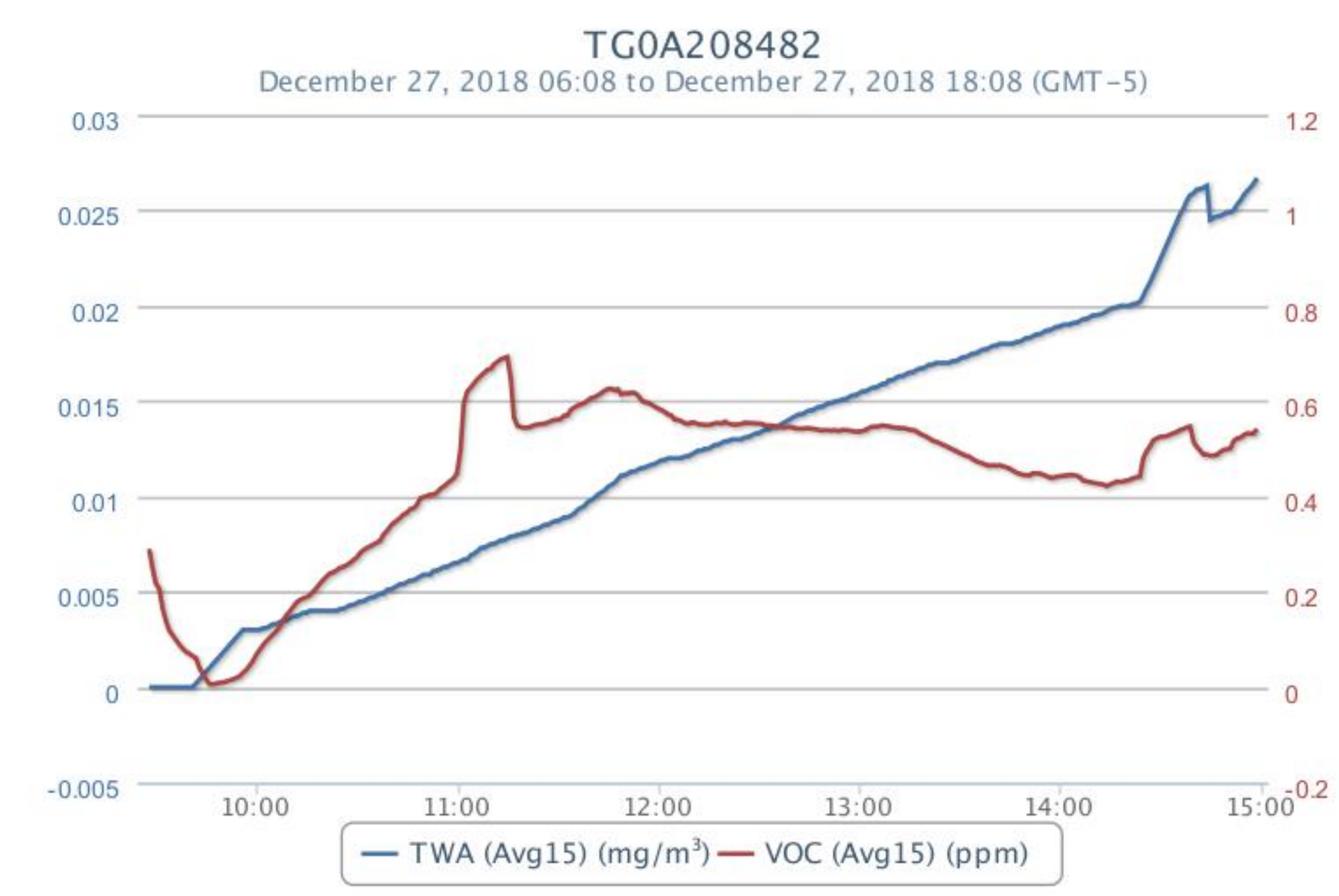

TG0A208482
December 17, 2018 00:00 to December 17, 2018 21:21 (GMT-5)
0.015
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

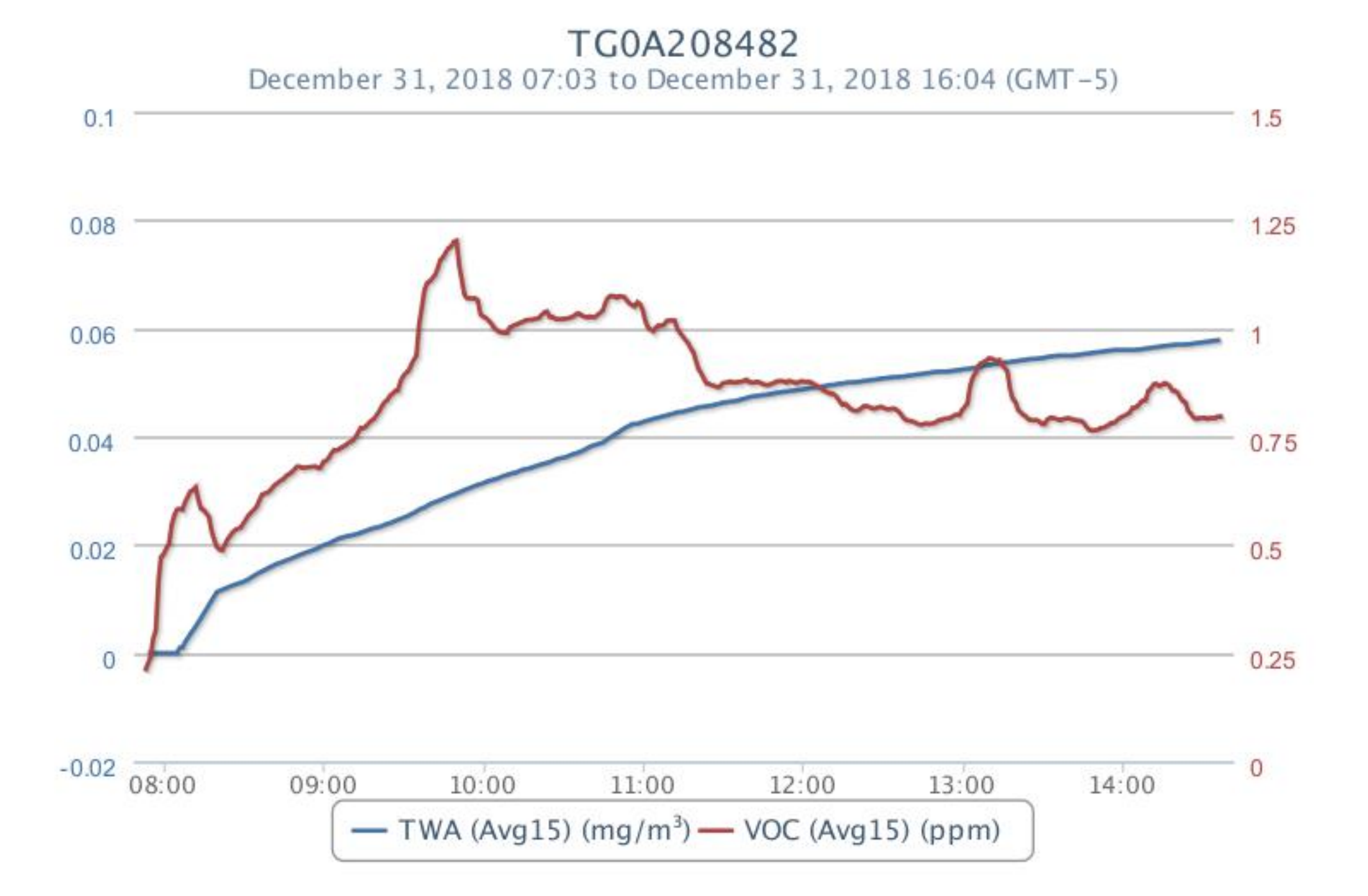

TG0A208482
December 18, 2018 06:55 to December 18, 2018 20:00 (GMT-5)
0.01
0.008
0.006
0.004
0.002
0
-0.002
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

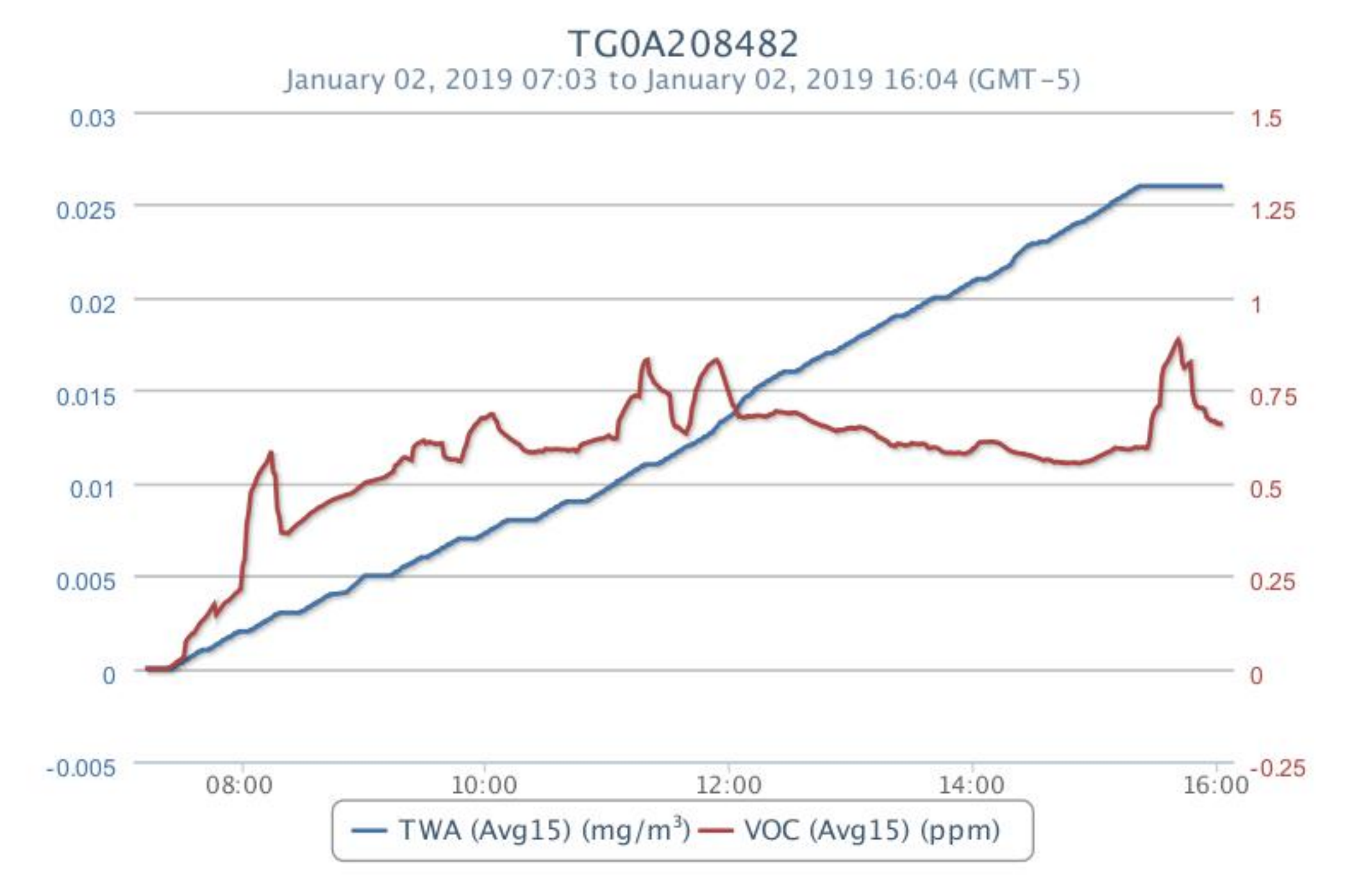

TG0A208482
December 19, 2018 07:00 to December 19, 2018 16:00 (GMT-5)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

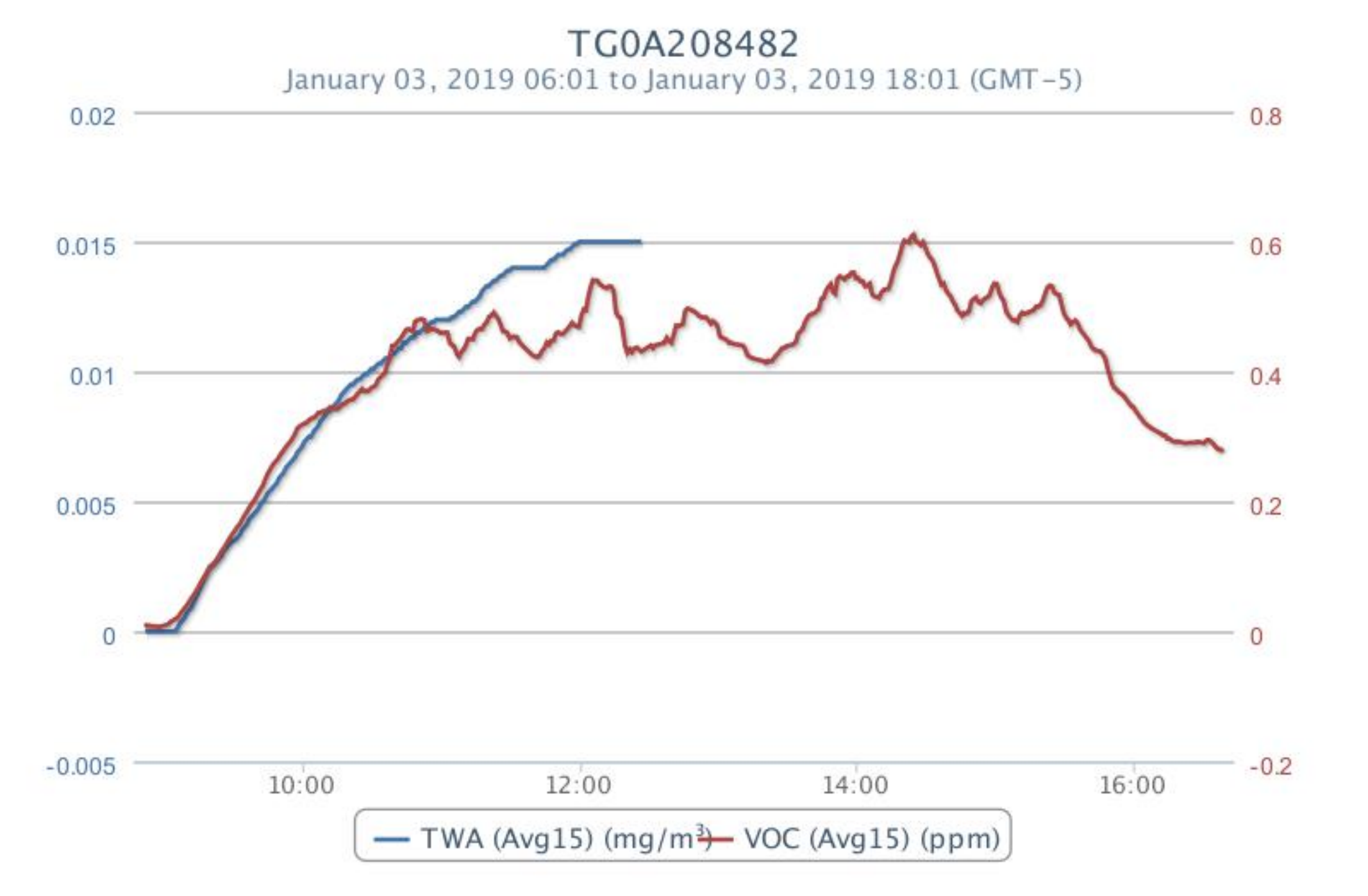

TG0A208482
December 20, 2018 07:00 to December 20, 2018 16:00 (GMT-5)
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.02
3.5
3
2.5
2
1.5
1
0.5
0
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

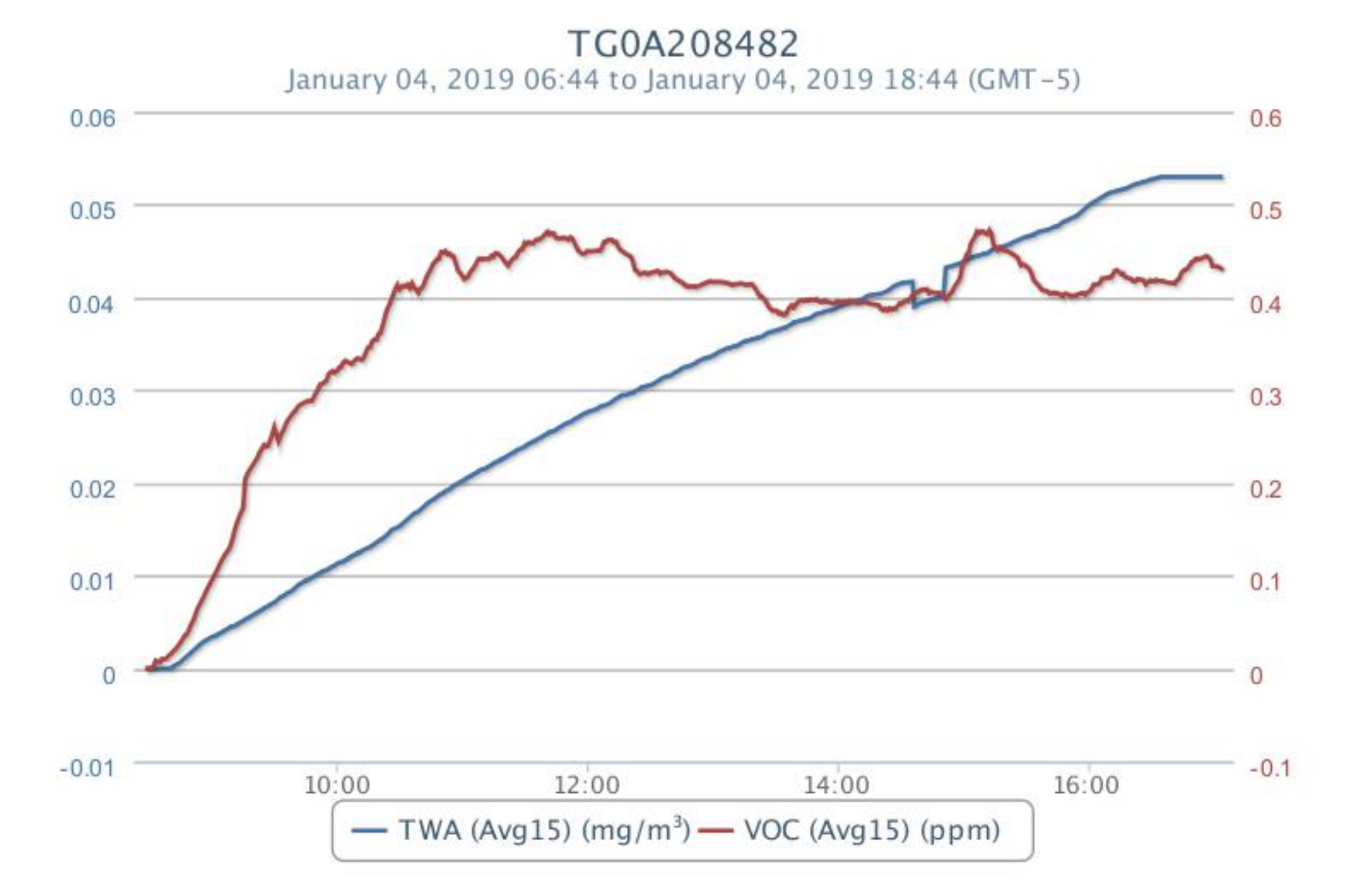

TG0A208482
December 26, 2018 06:08 to December 26, 2018 18:08 (GMT-5)
0.02
0.015
0.01
0.005
0
-0.005
0.8
0.6
0.4
0.2
0
-0.2
08:00
09:00
10:00
11:00
12:00
13:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

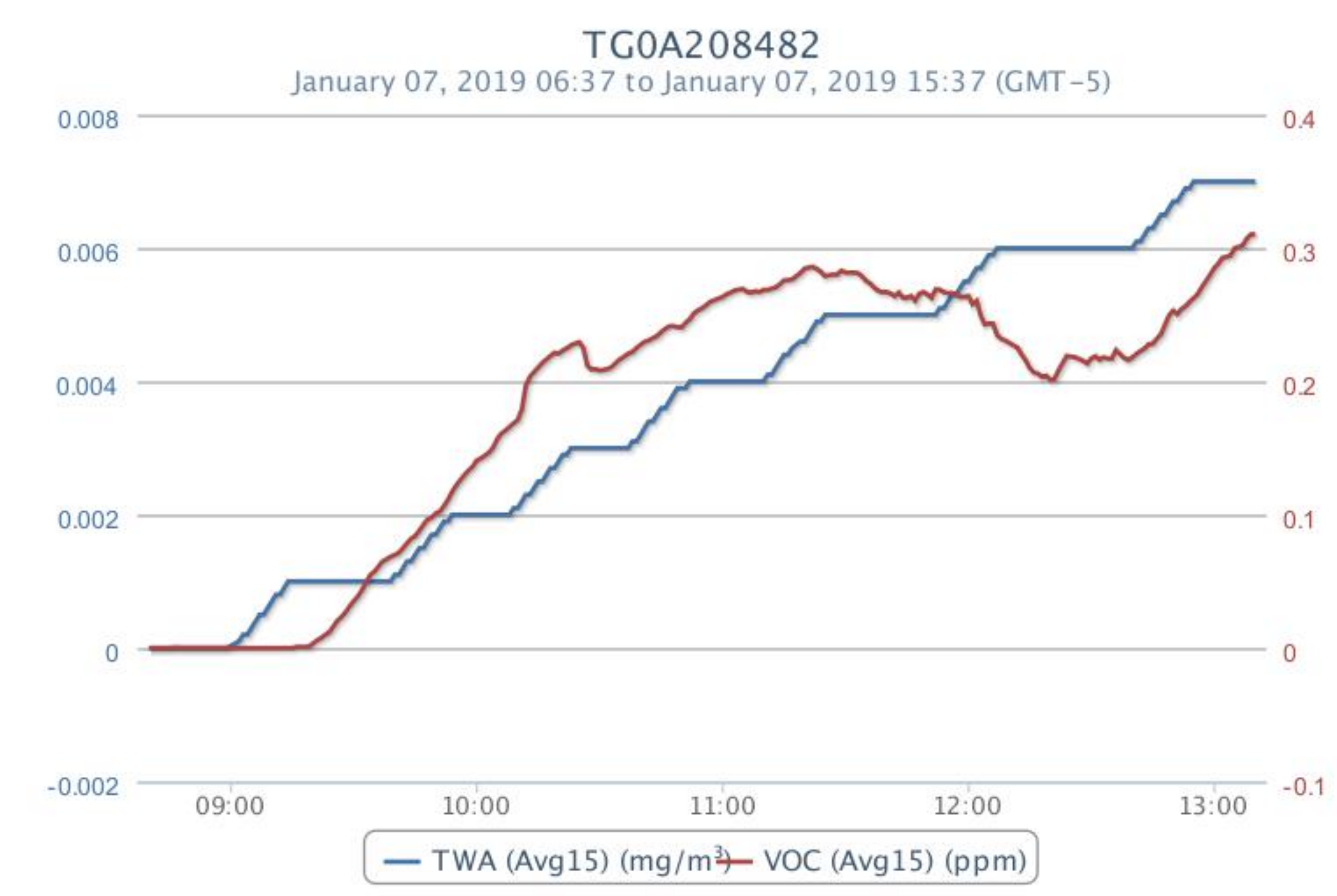

TG0A208482
December 27, 2018 06:08 to December 27, 2018 18:08 (GMT-5)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

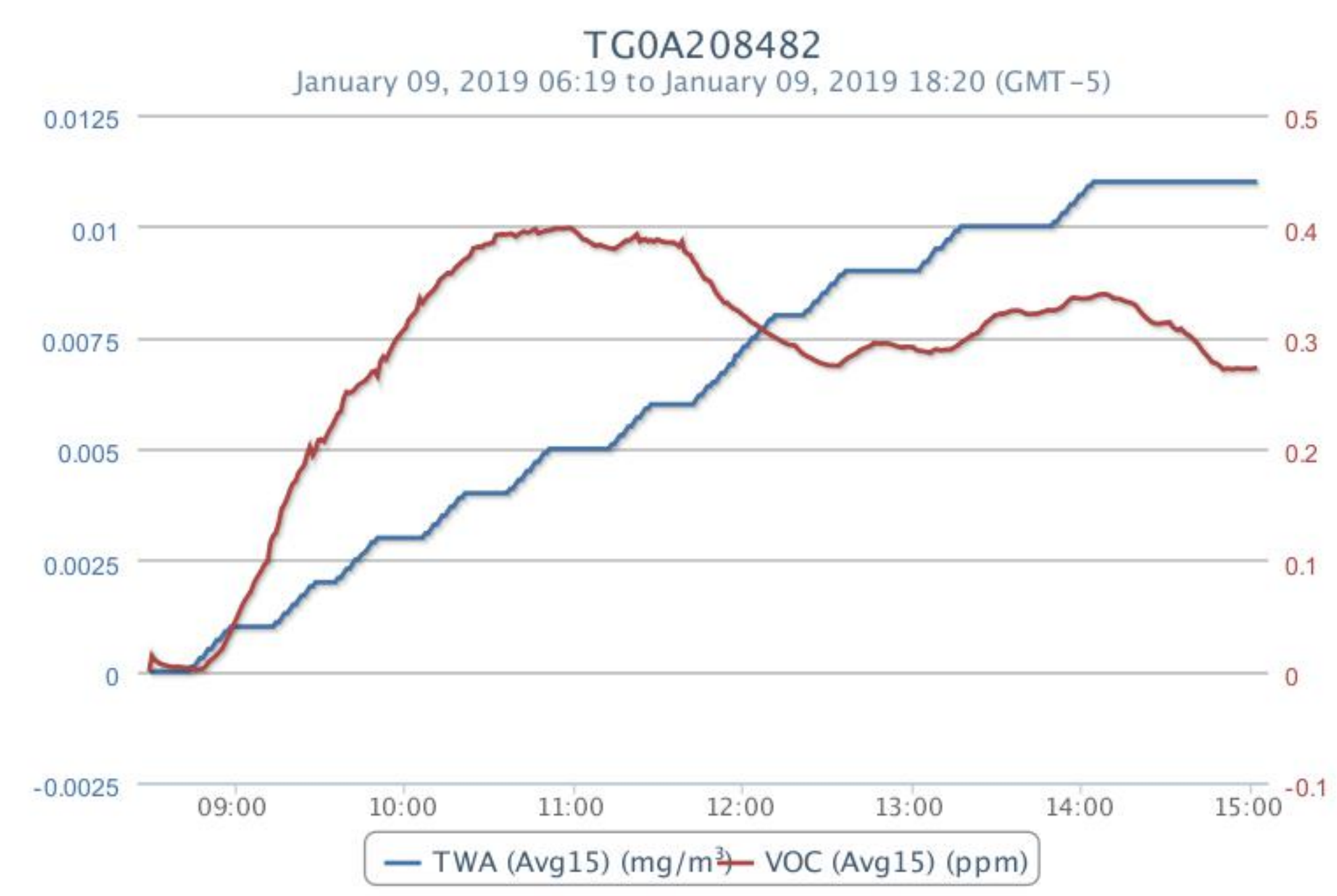

TG0A208482
December 31, 2018 07:03 to December 31, 2018 16:04 (GMT-5)
0.1
0.08
0.06
0.04
0.02
0
-0.02
1.5
1.25
1
0.75
0.5
0.25
0
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

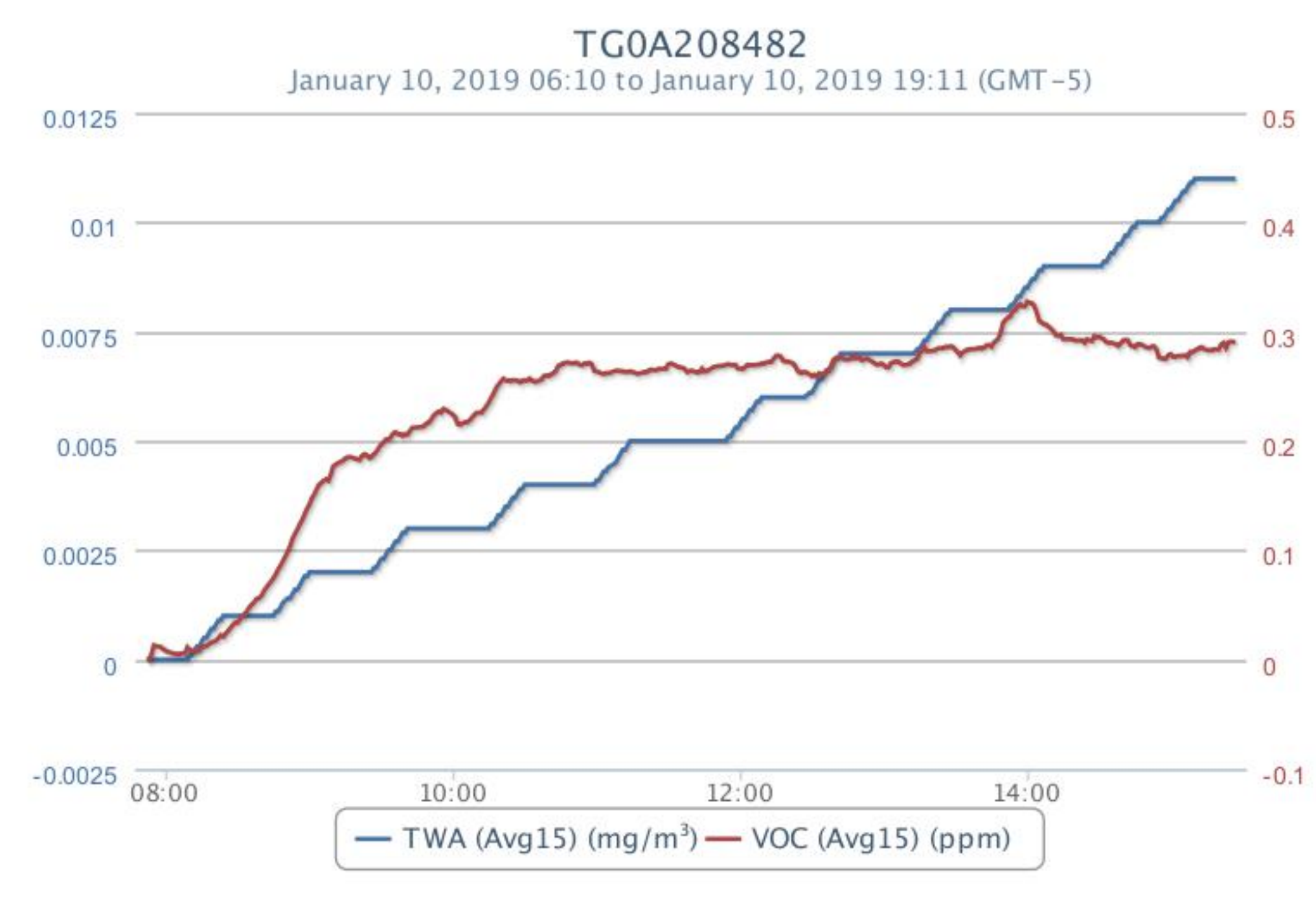

TG0A208482
January 02, 2019 07:03 to January 02, 2019 16:04 (GMT-5)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
1.5
1.25
1
0.75
0.5
0.25
0
-0.25
08:00
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
January 03, 2019 06:01 to January 03, 2019 18:01 (GMT-5)
0.02
0.015
0.01
0.005
0
-0.005
0.8
0.6
0.4
0.2
0
-0.2
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

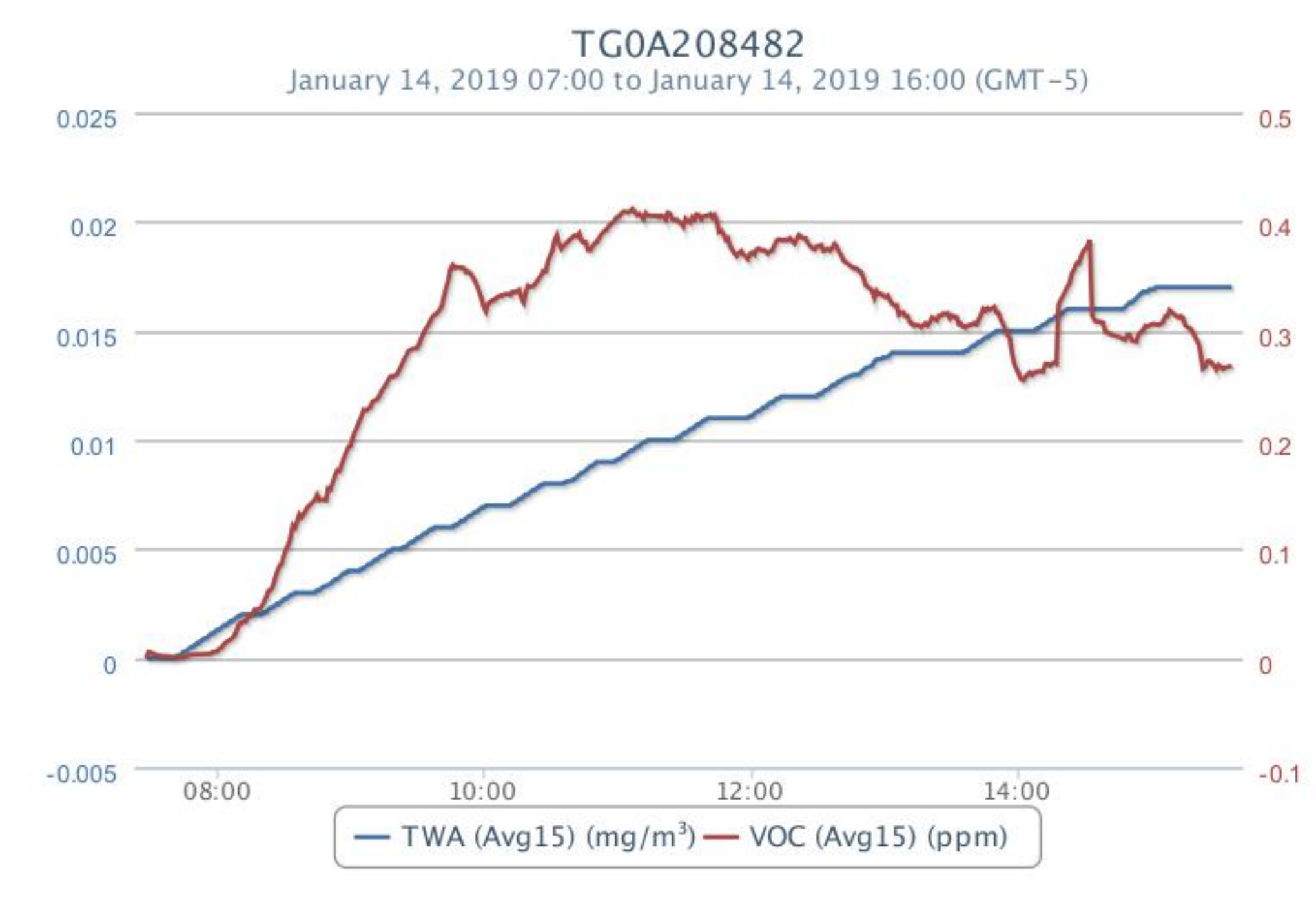

TG0A208482
January 04, 2019 06:44 to January 04, 2019 18:44 (GMT-5)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

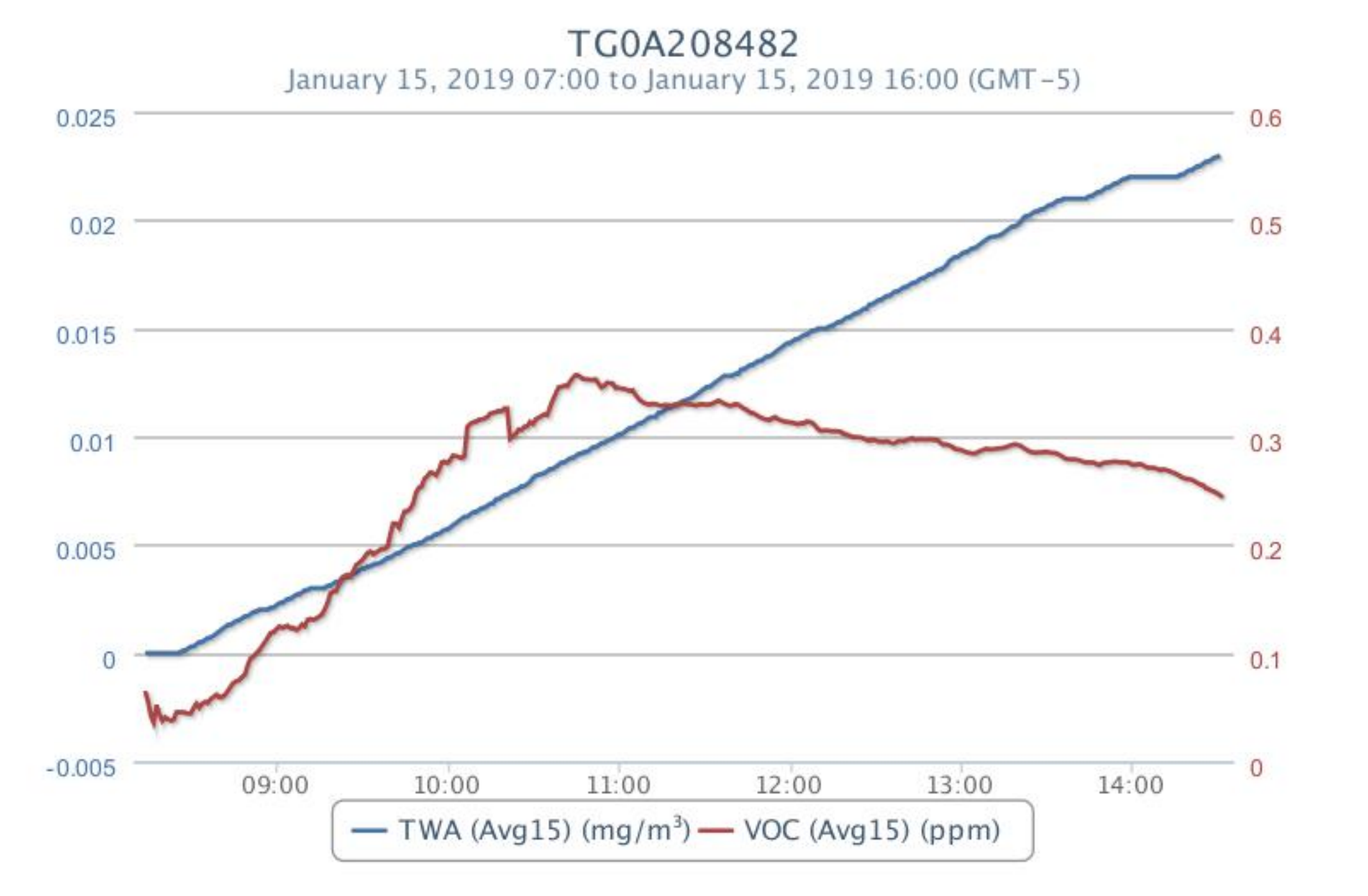

TG0A208482
January 07, 2019 06:37 to January 07, 2019 15:37 (GMT-5)
0.008
0.006
0.004
0.002
0
-0.002
0.4
0.3
0.2
0.1
0
-0.1
09:00
10:00
11:00
12:00
13:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
January 09, 2019 06:19 to January 09, 2019 18:20 (GMT-5)
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.5
0.4
0.3
0.2
0.1
0
-0.1
09:00
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

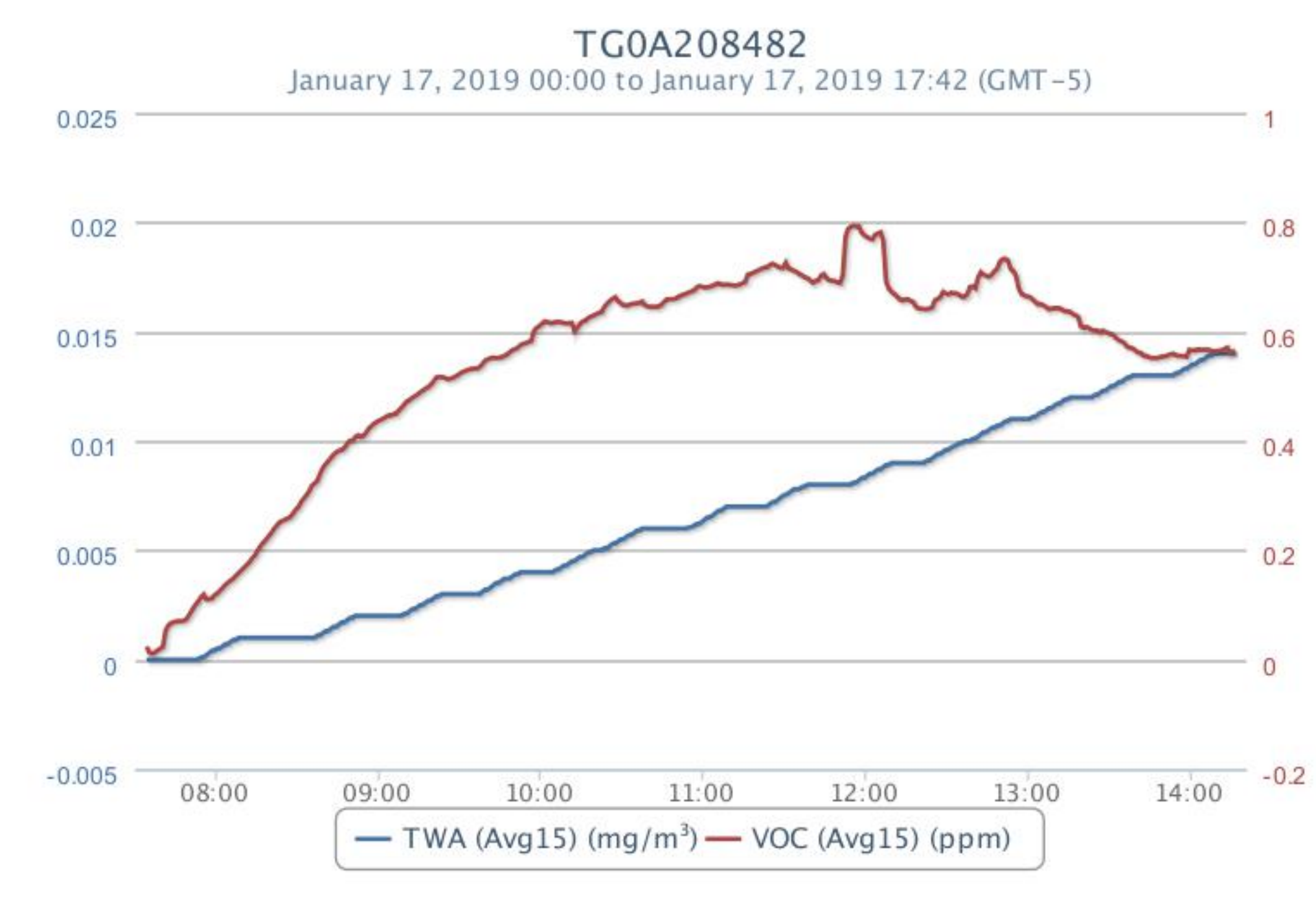

TG0A208482
January 10, 2019 06:10 to January 10, 2019 19:11 (GMT-5)
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

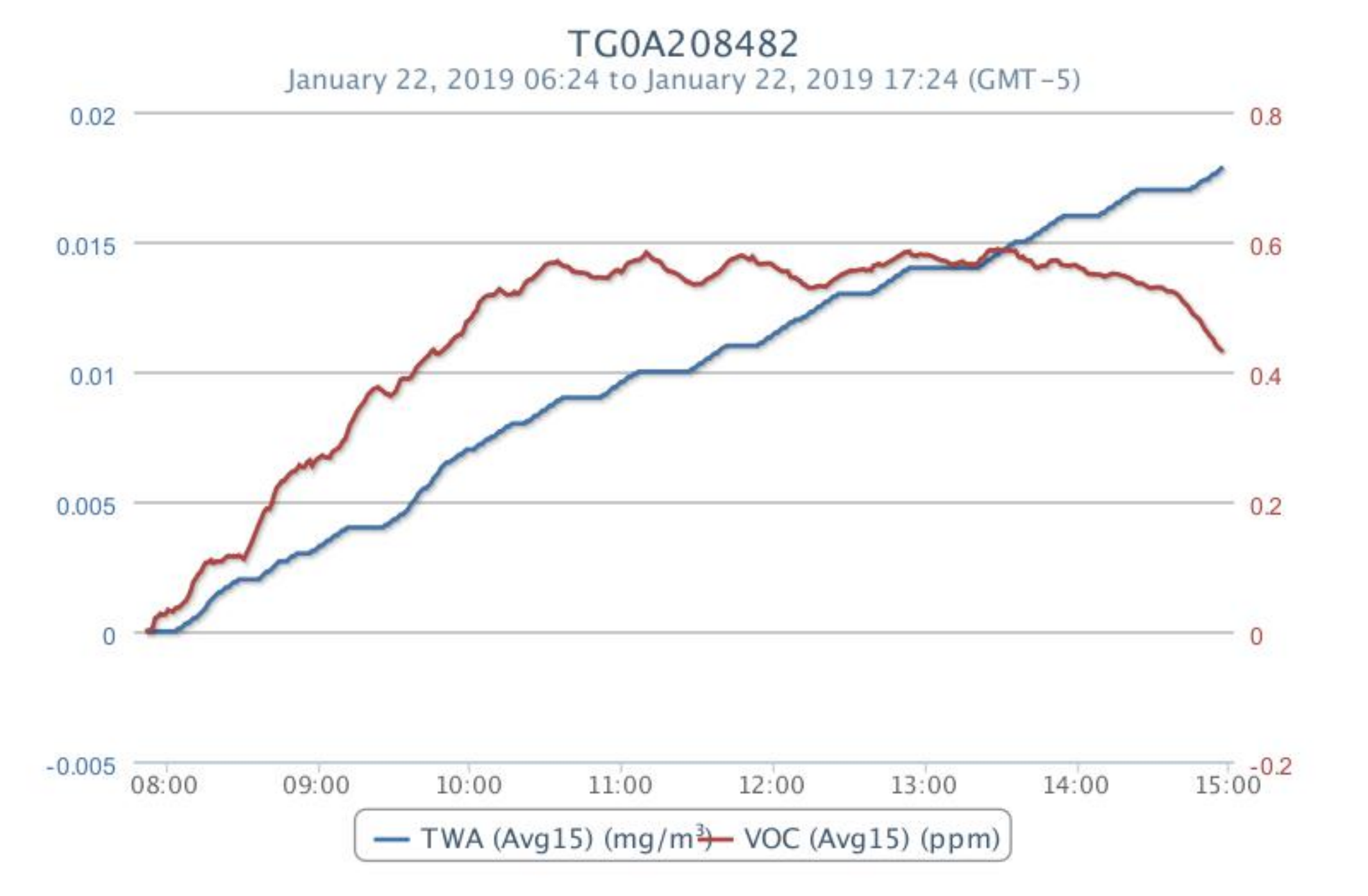

TG0A208482
January 11, 2019 06:10 to January 11, 2019 19:11 (GMT-5)
0.025
0.02
0.015
0.01
0.005
0
-0.005
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

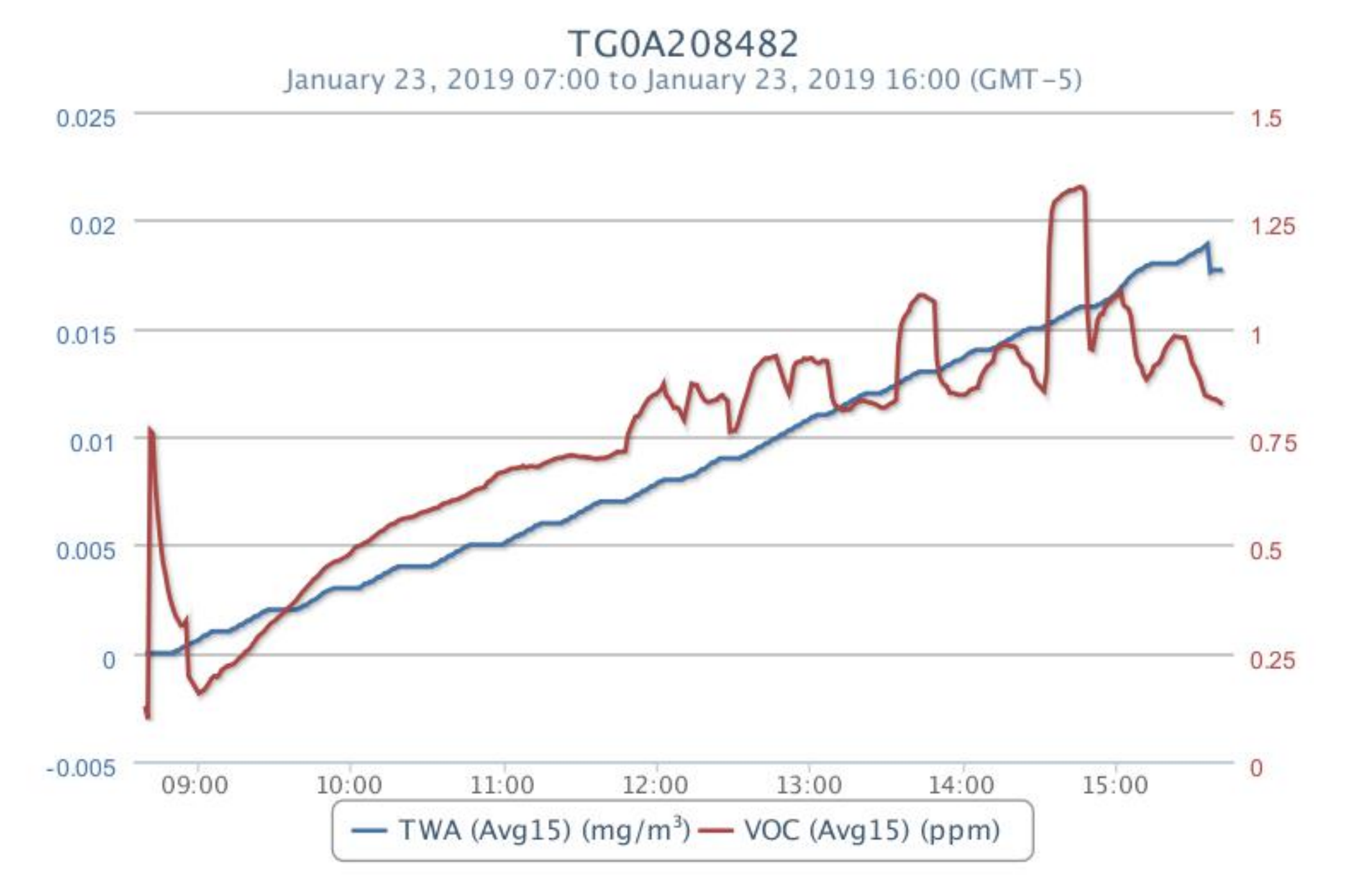

TG0A208482
January 14, 2019 07:00 to January 14, 2019 16:00 (GMT-5)
0.025
0.02
0.015
0.01
0.005
0
-0.005
0.5
0.4
0.3
0.2
0.1
0
-0.1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

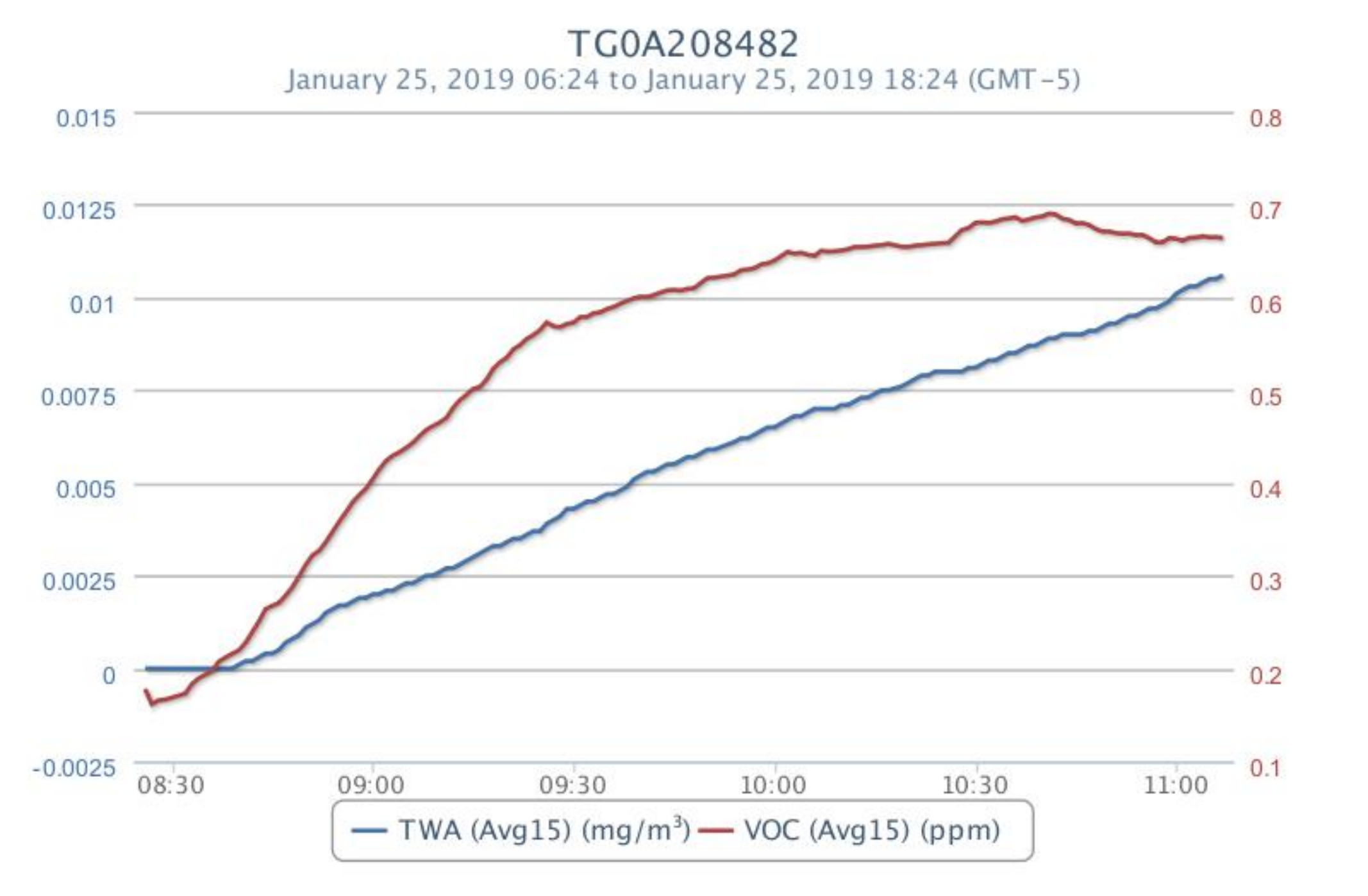

TG0A208482
January 15, 2019 07:00 to January 15, 2019 16:00 (GMT-5)
0.025
0.02
0.015
0.01
0.005
0
-0.005
0.6
0.5
0.4
0.3
0.2
0.1
0
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

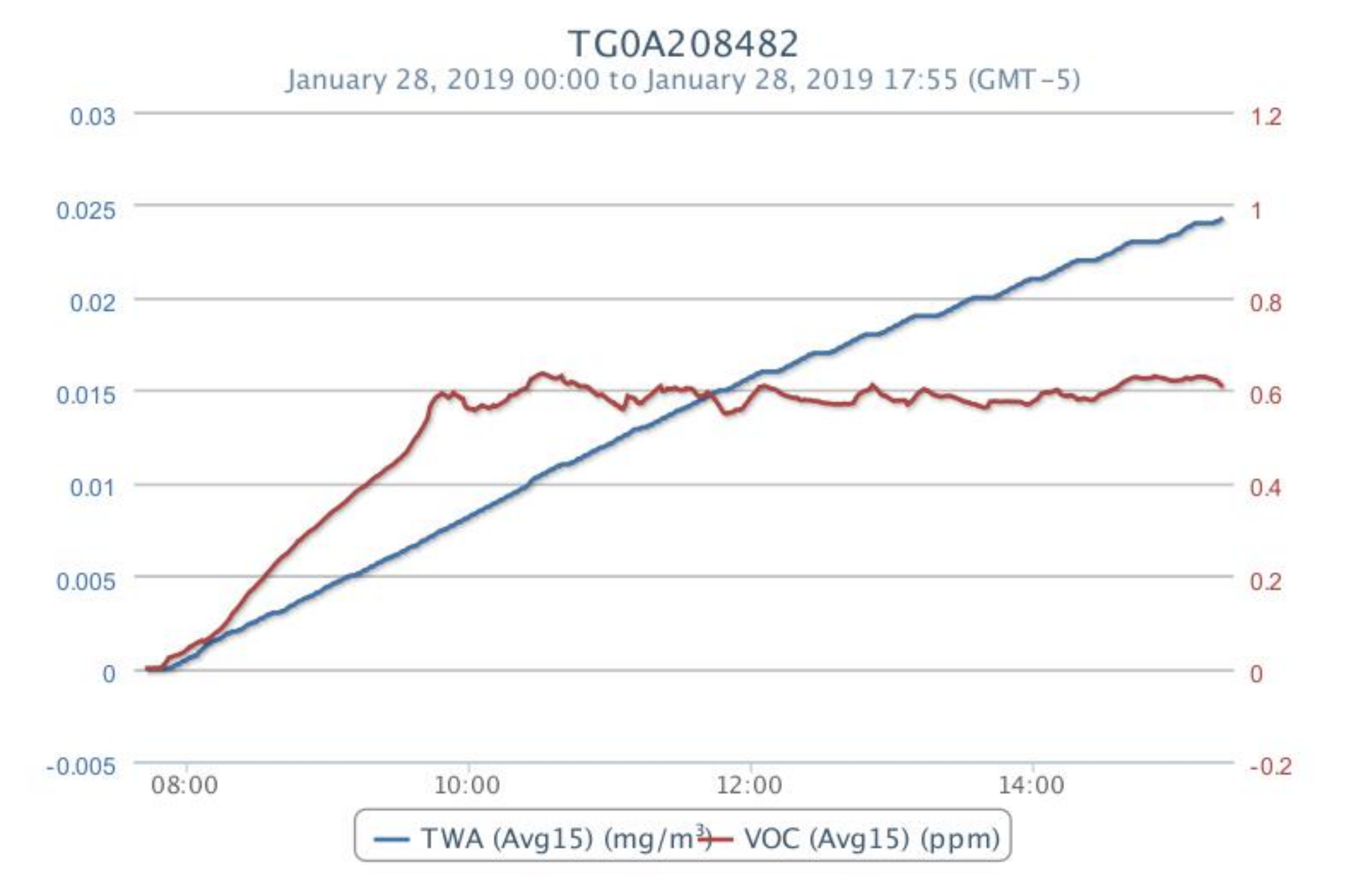

TG0A208482
January 16, 2019 00:00 to January 16, 2019 22:49 (GMT-5)
0.04
0.03
0.02
0.01
0
-0.01
0.4
0.3
0.2
0.1
0
-0.1
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)

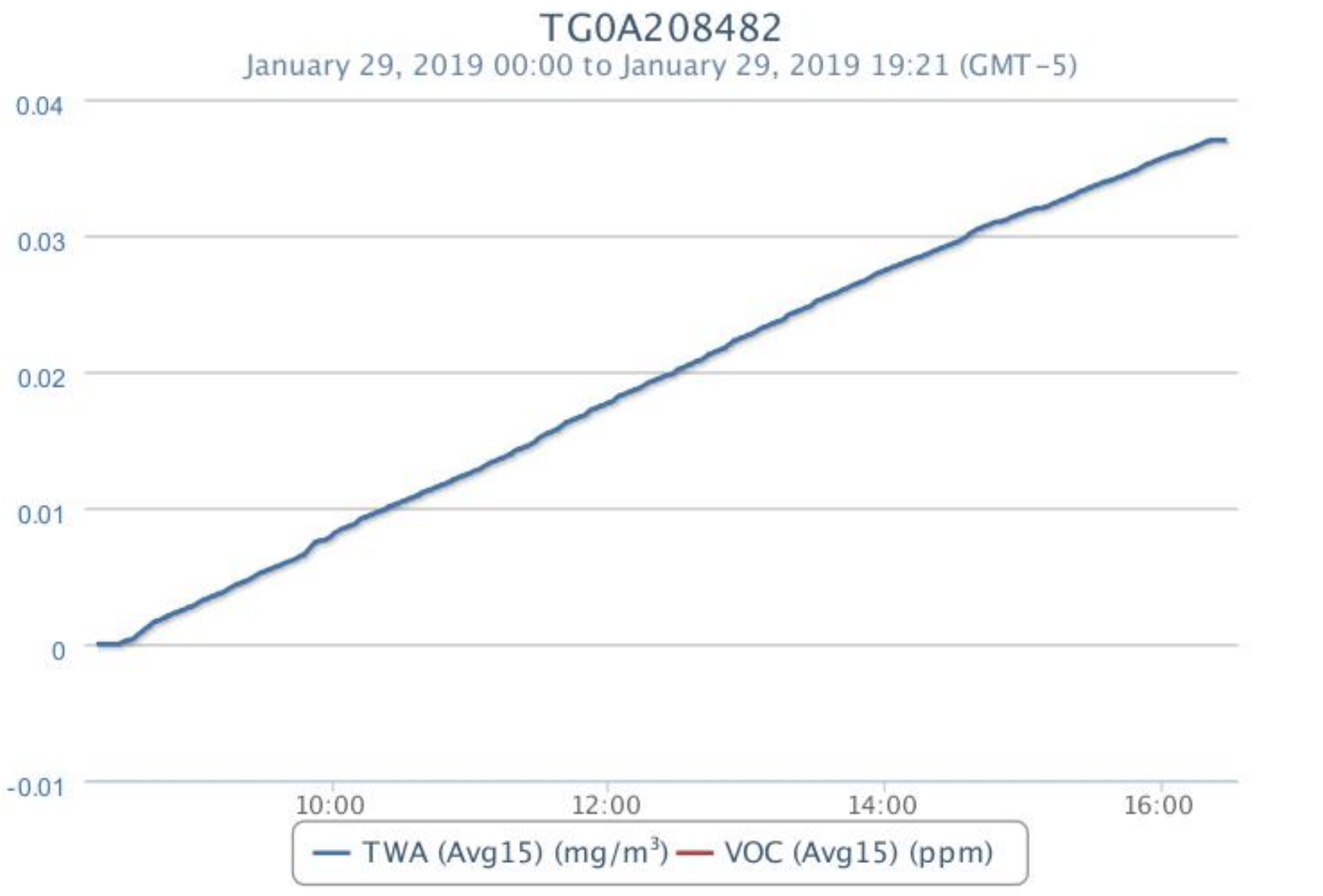

TG0A208482
January 17, 2019 00:00 to January 17, 2019 17:42 (GMT-5)
0.025
0.02
0.015
0.01
0.005
0
-0.005
1
0.8
0.6
0.4
0.2
0
-0.2
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

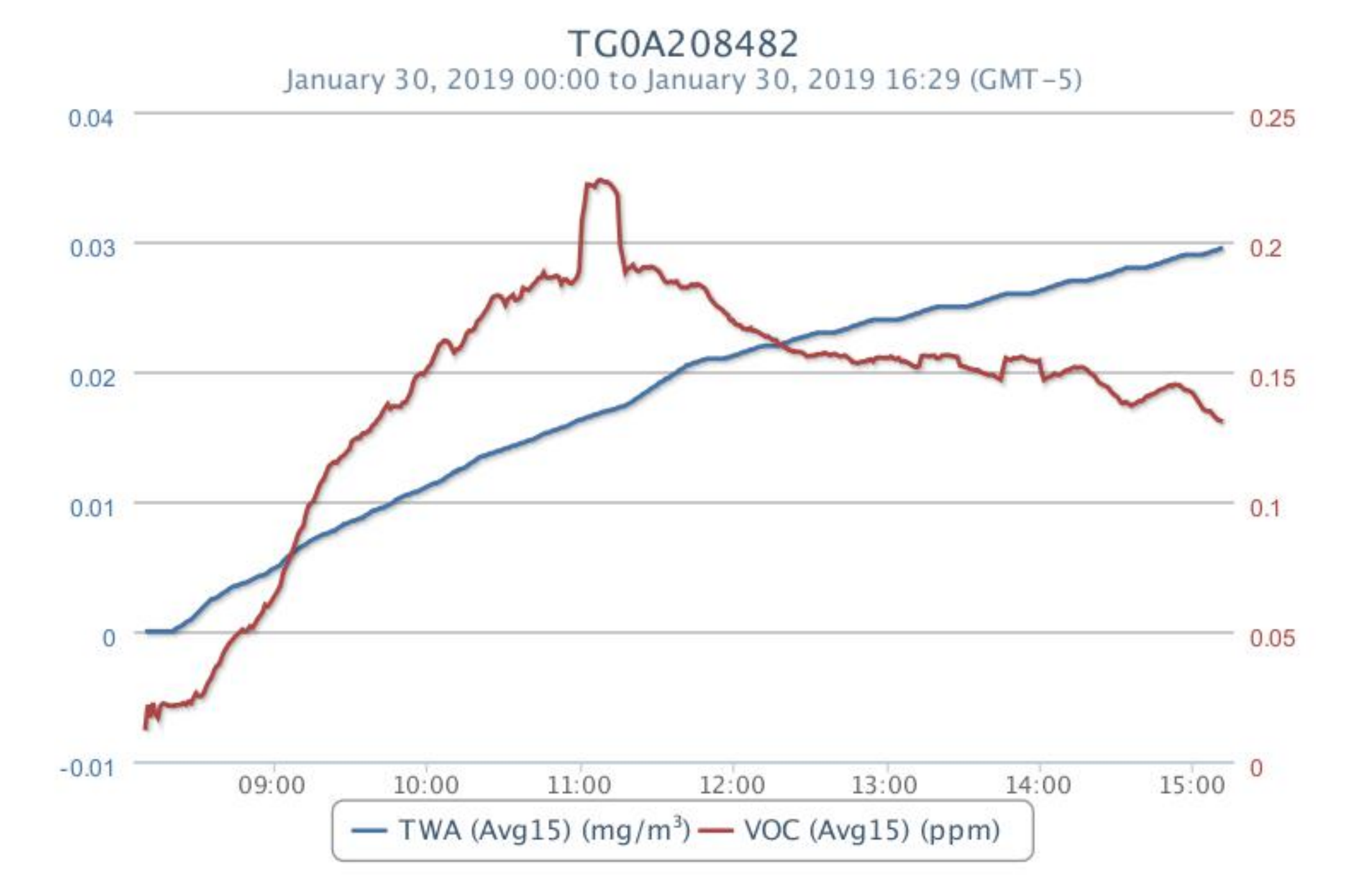

TG0A208482
January 22, 2019 06:24 to January 22, 2019 17:24 (GMT-5)
0.02
0.015
0.01
0.005
0
-0.005
0.8
0.6
0.4
0.2
0
-0.2
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
January 23, 2019 07:00 to January 23, 2019 16:00 (GMT-5)
0.025
0.02
0.015
0.01
0.005
0
-0.005
1.5
1.25
1
0.75
0.5
0.25
0
09:00
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
January 25, 2019 06:24 to January 25, 2019 18:24 (GMT-5)
0.015
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
08:30
09:00
09:30
10:00
10:30
11:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
January 28, 2019 00:00 to January 28, 2019 17:55 (GMT-5)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
January 29, 2019 00:00 to January 29, 2019 19:21 (GMT-5)
0.04
0.03
0.02
0.01
0
-0.01
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
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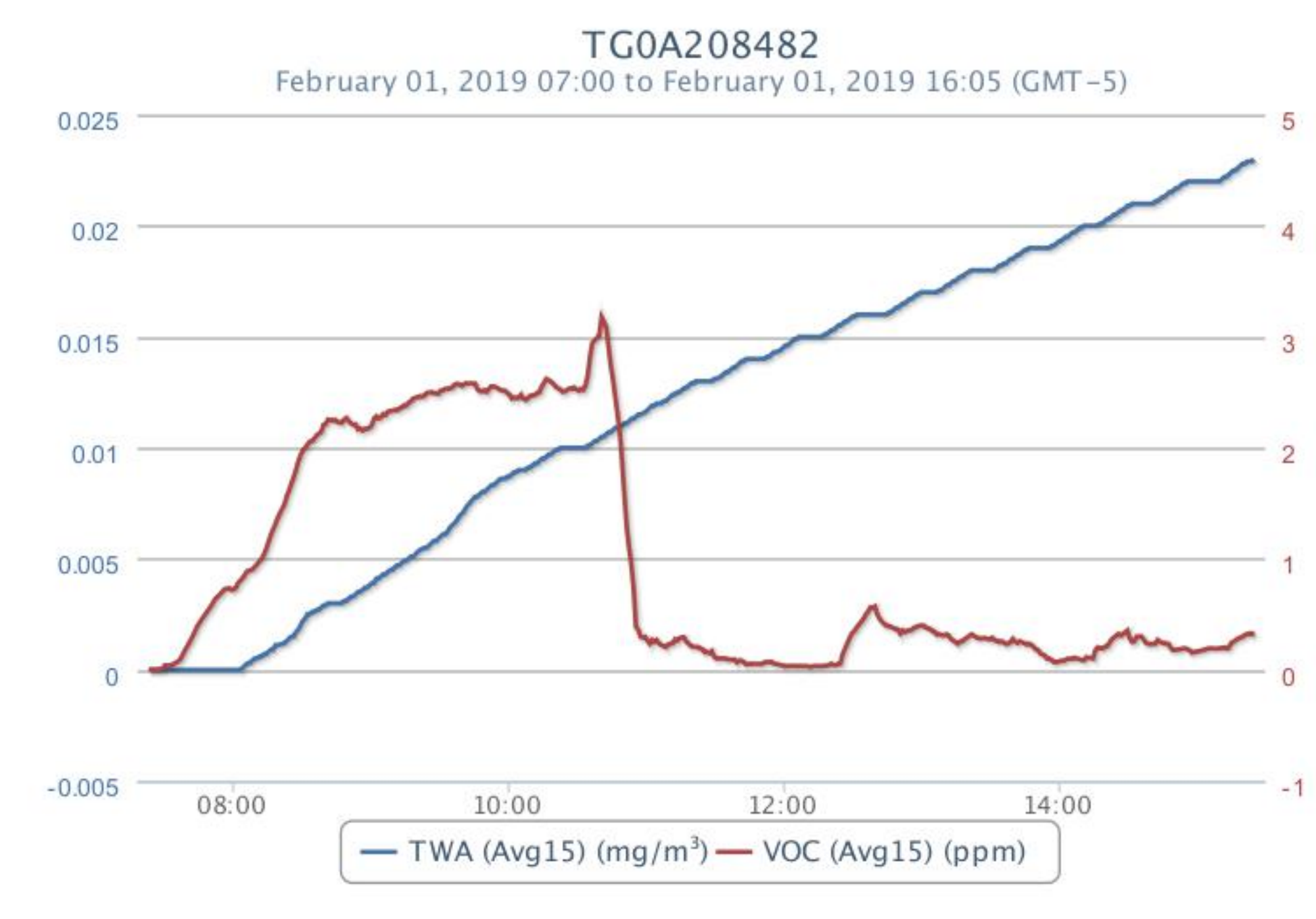
0.03
0.02
0.01
0
-0.01
0.25
0.2
0.15
0.1
0.05
0
09:00
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
February 01, 2019 07:00 to February 01, 2019 16:05 (GMT-5)
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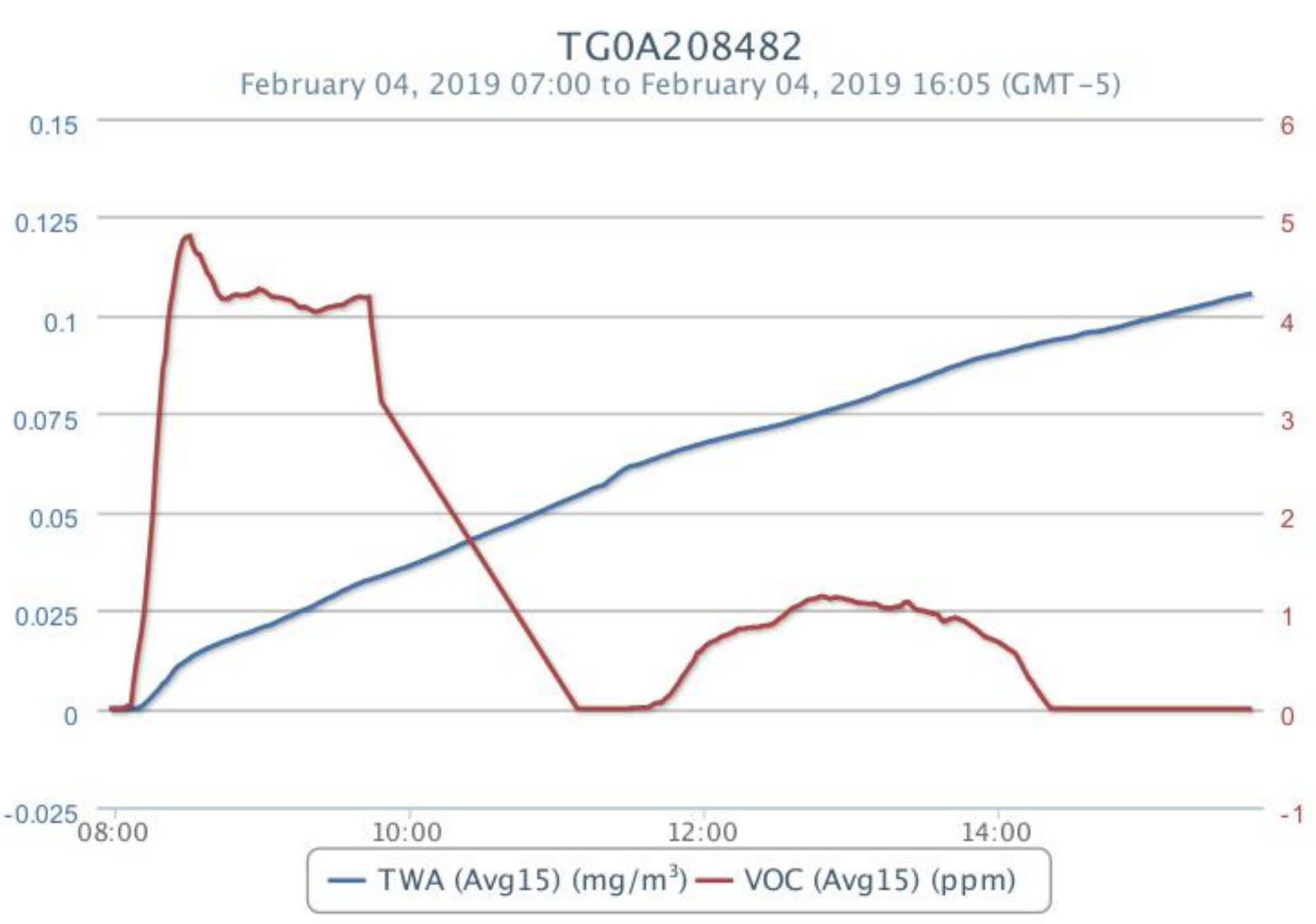
0.02
0.015
0.01
0.005
0
-0.005
5
4
3
2
1
0
-1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
February 04, 2019 07:00 to February 04, 2019 16:05 (GMT-5)
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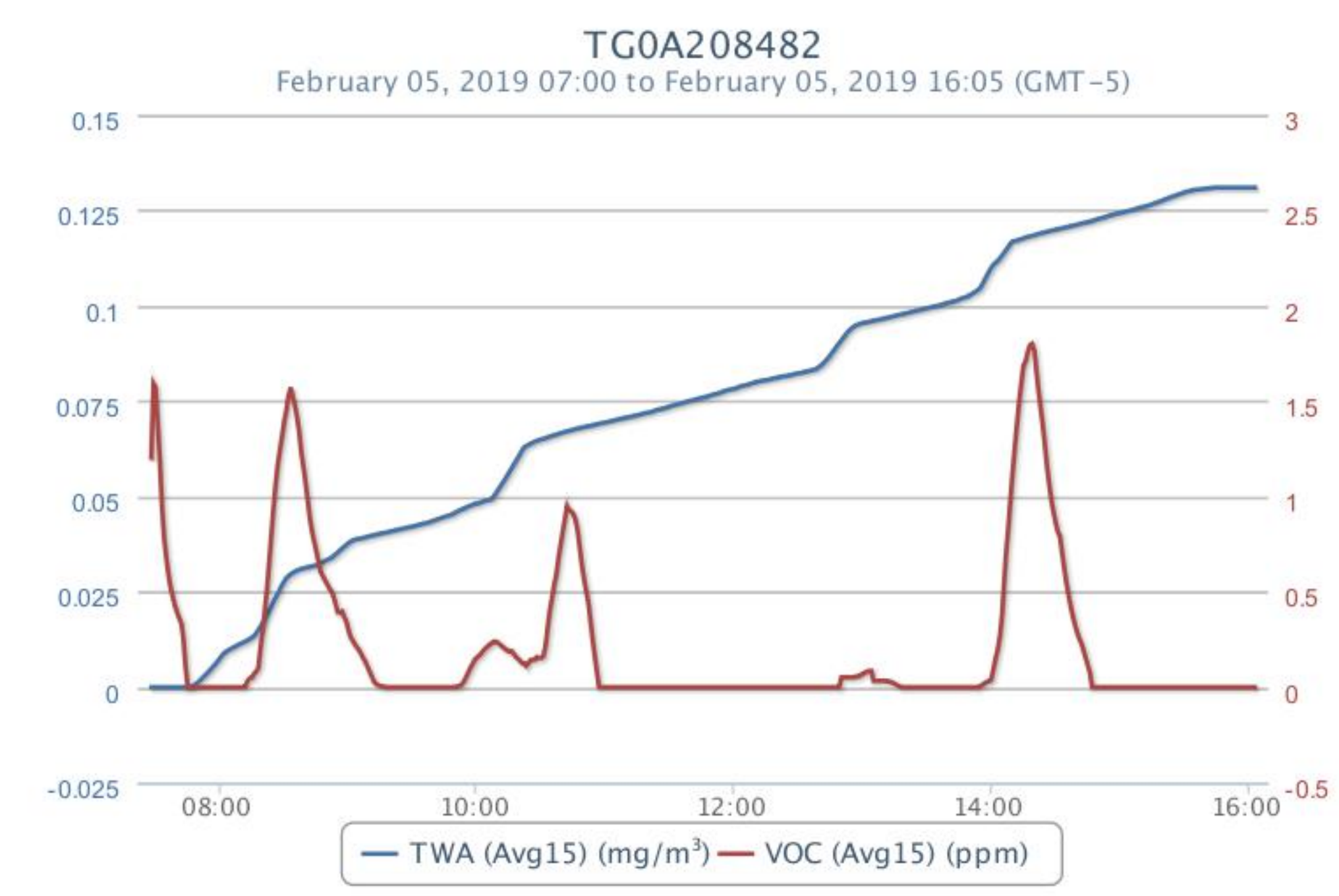
0.125
0.1
0.075
0.05
0.025
0
-0.025
6
5
4
3
2
1
0
-1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
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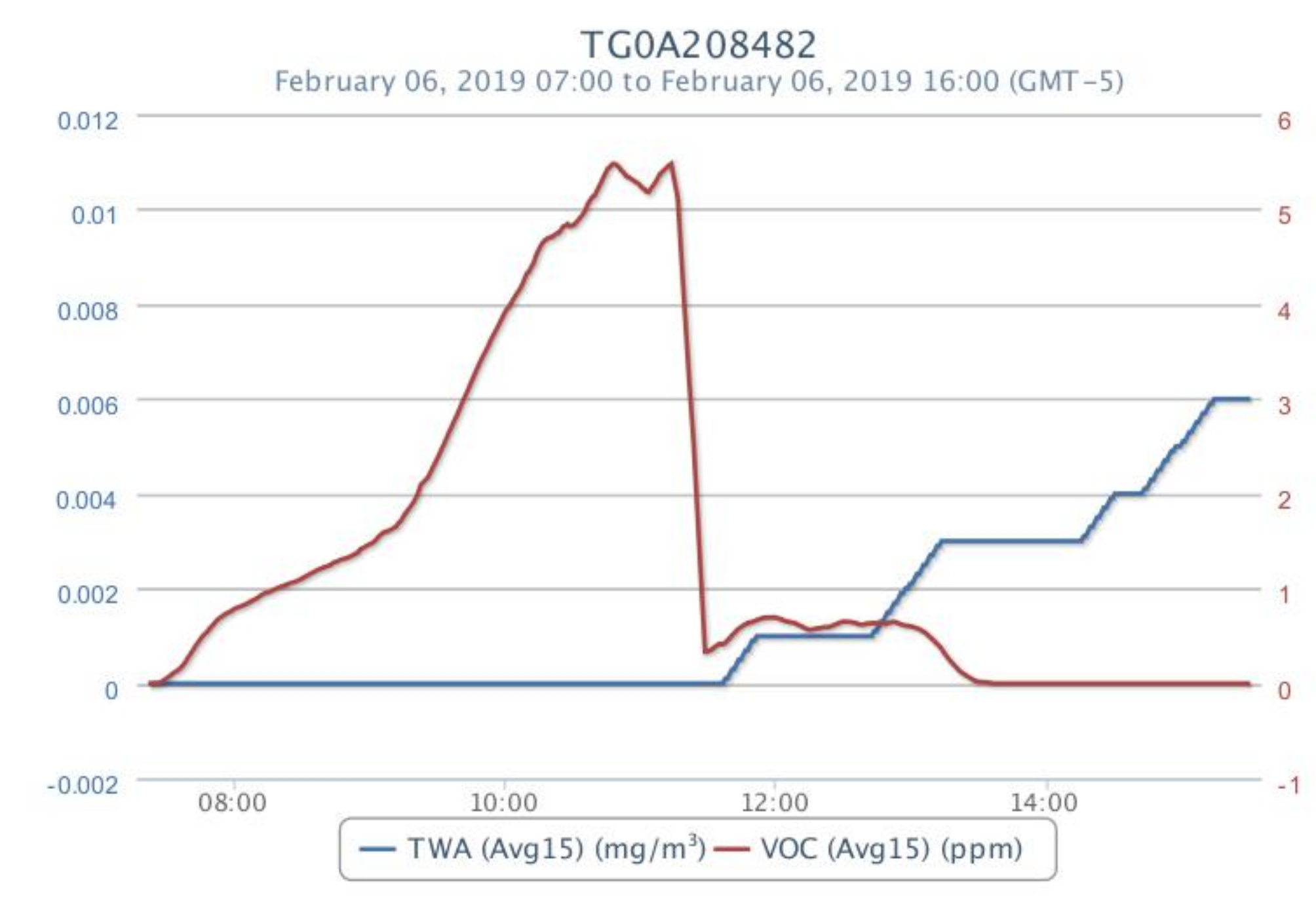
0.125
0.1
0.075
0.05
0.025
0
-0.025
3
2.5
2
1.5
1
0.5
0
-0.5
08:00
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
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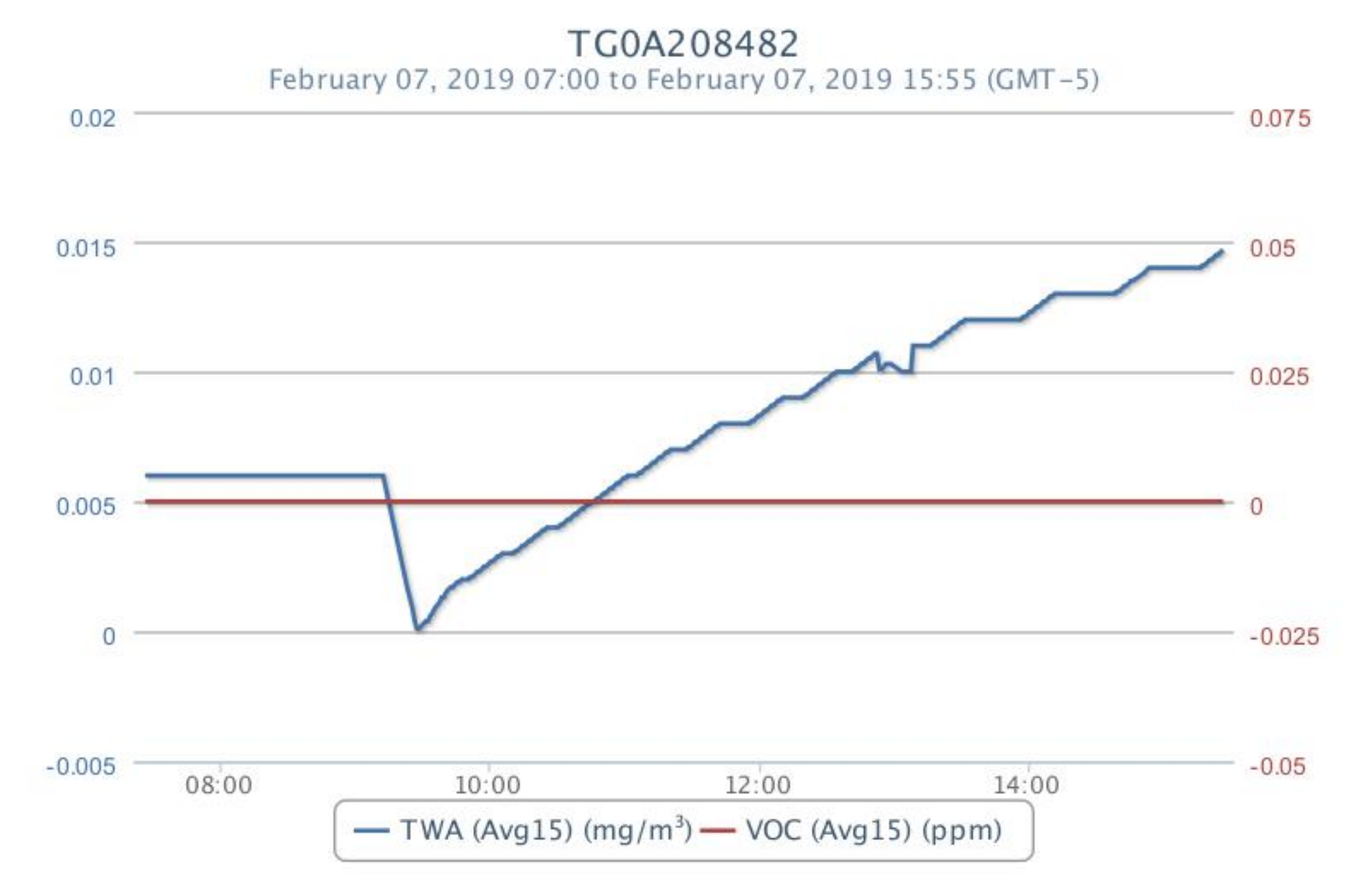
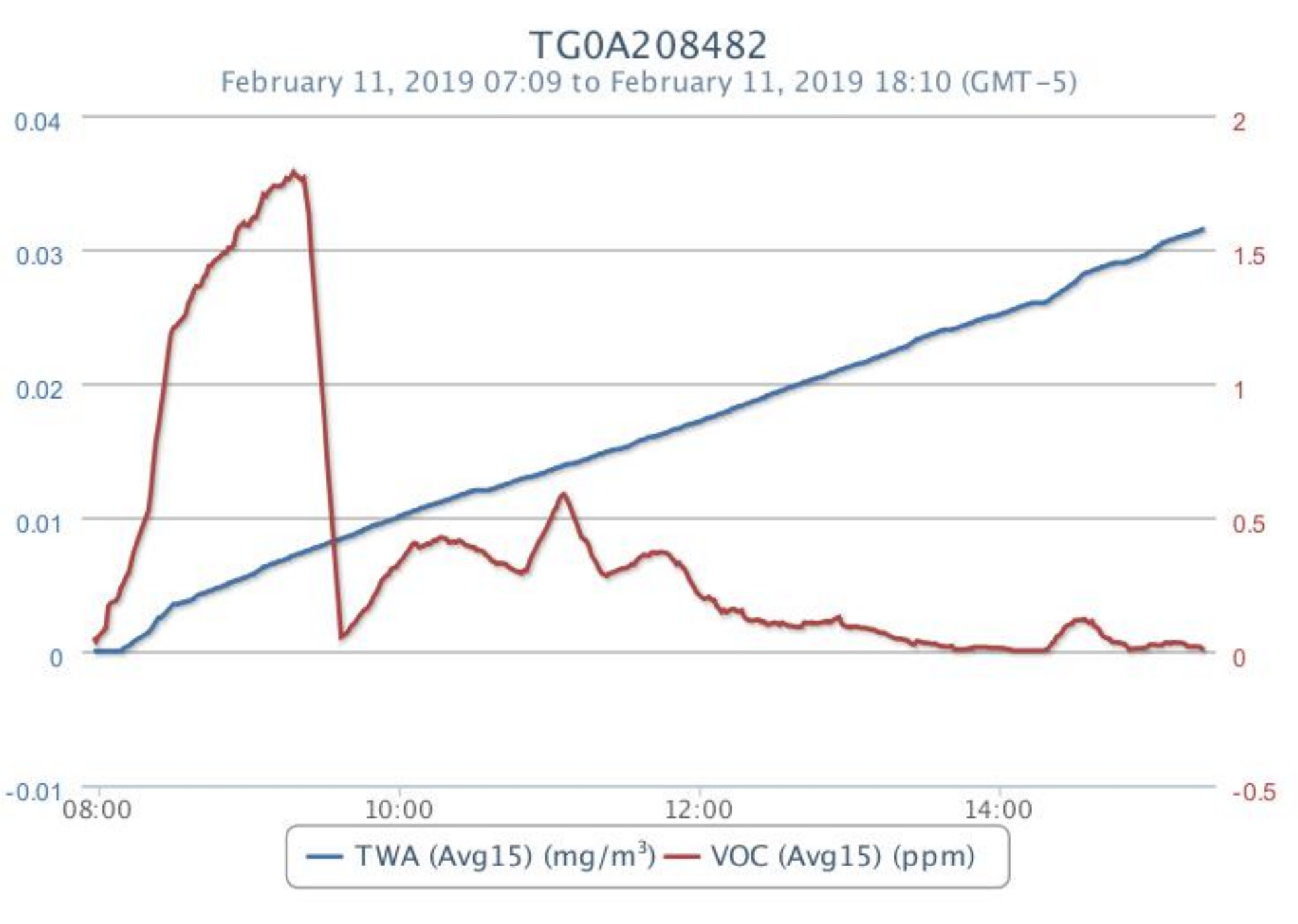
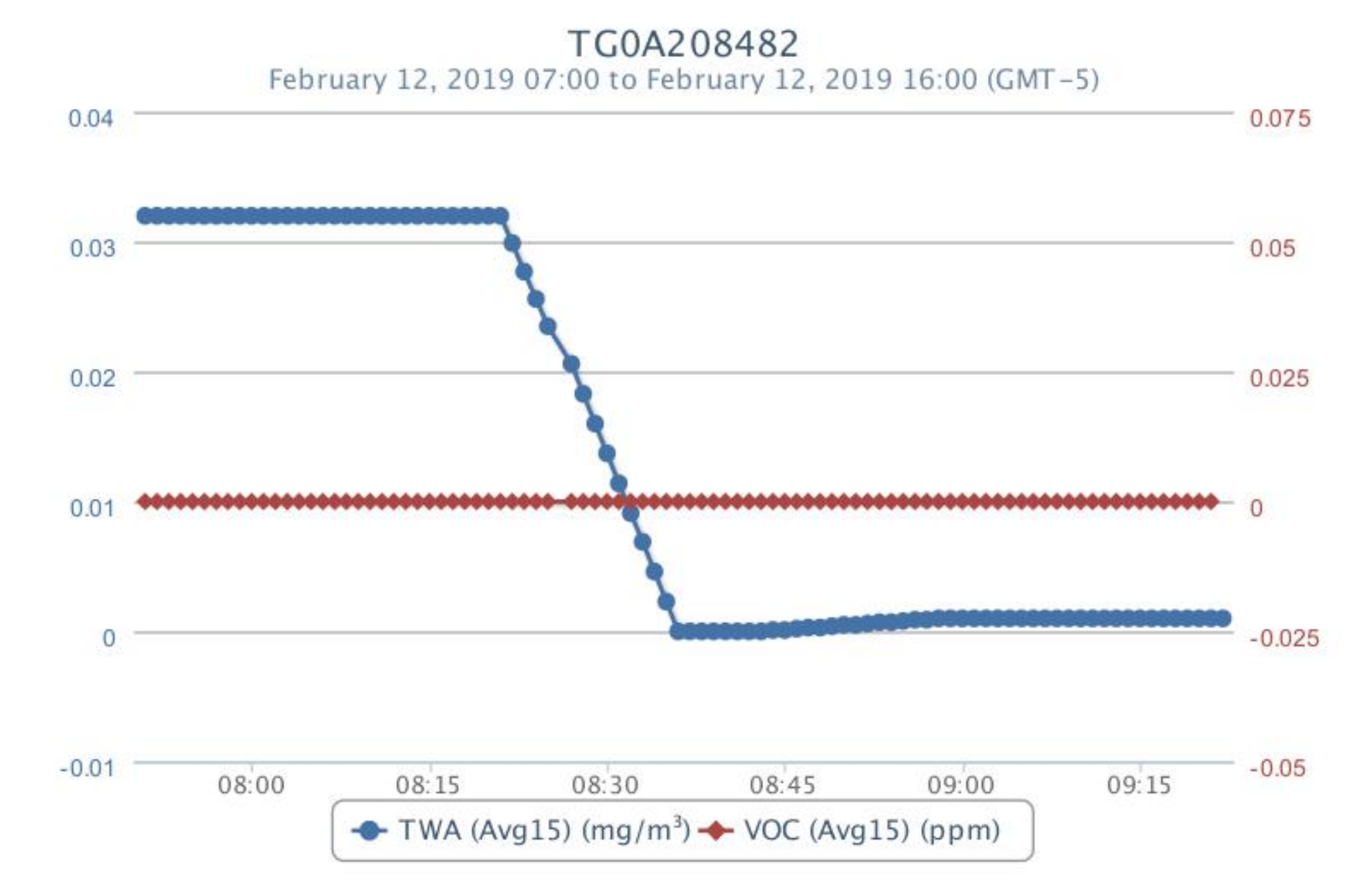
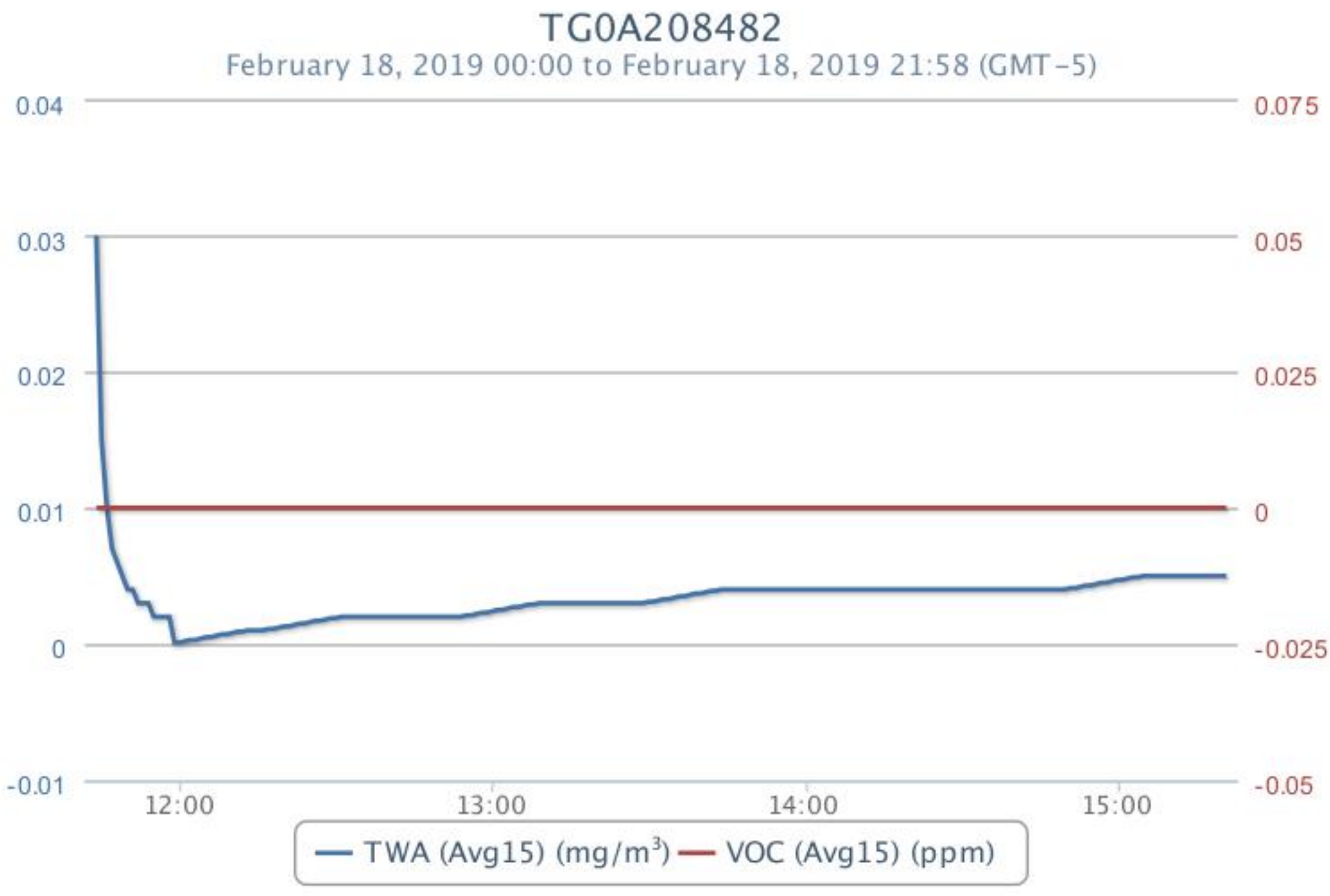
0.01
0.008
0.006
0.004
0.002
0
-0.002
6
5
4
3
2
1
0
-1
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
February 07, 2019 07:00 to February 07, 2019 15:55 (GMT-5)
0.02
0.015
0.01
0.005
0
-0.005
0.075
0.05
0.025
0
-0.025
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
February 11, 2019 07:09 to February 11, 2019 18:10 (GMT-5)
0.04
0.03
0.02
0.01
0
-0.01
2
1.5
1
0.5
0
-0.5
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
February 12, 2019 07:00 to February 12, 2019 16:00 (GMT-5)
0.04
0.03
0.02
0.01
0
-0.01
0.075
0.05
0.025
0
-0.025
-0.05
08:00
08:15
08:30
08:45
09:00
09:15
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
February 18, 2019 00:00 to February 18, 2019 21:58 (GMT-5)
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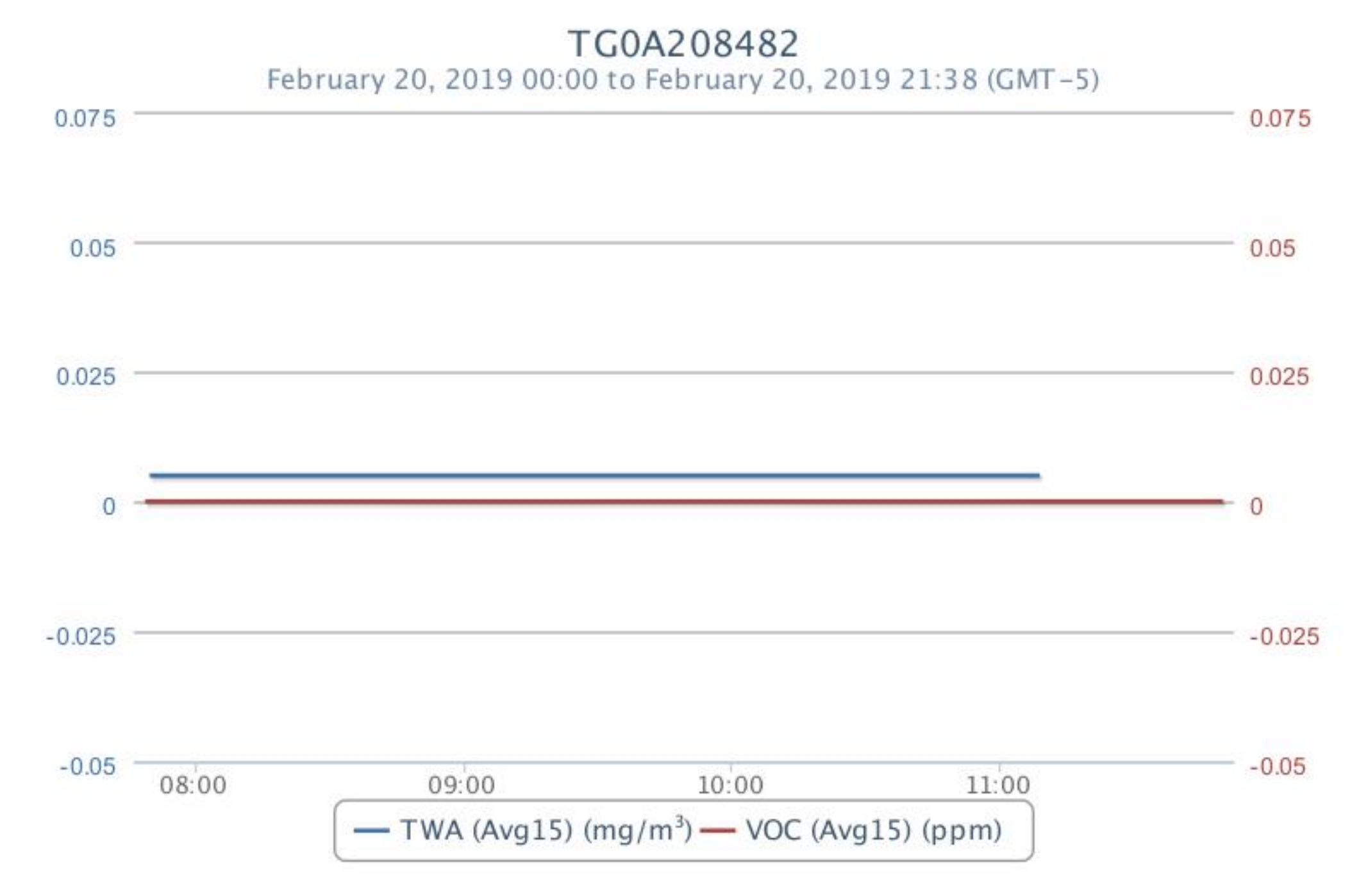
0.03
0.02
0.01
0
-0.01
0.075
0.05
0.025
0
-0.025
-0.05
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
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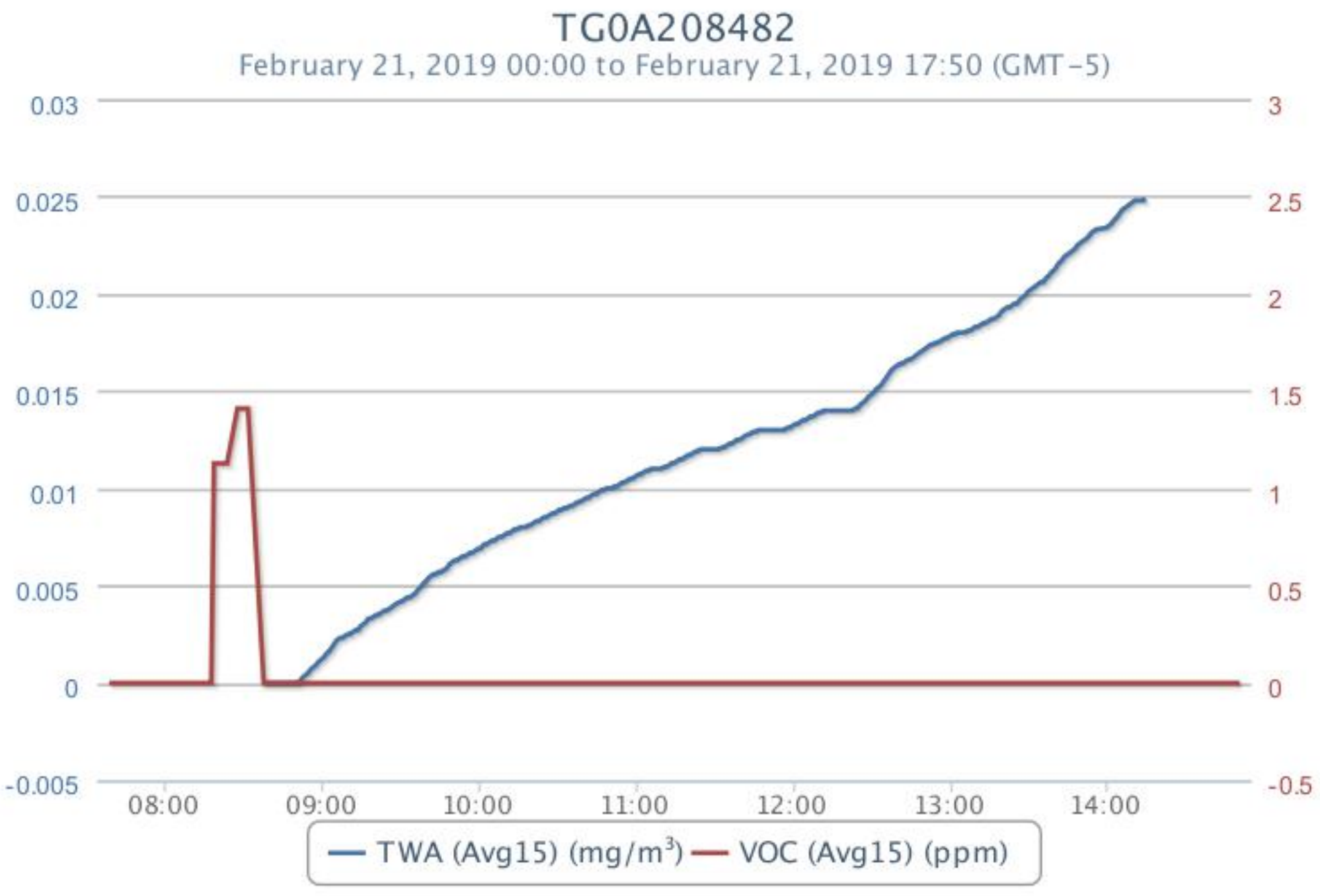
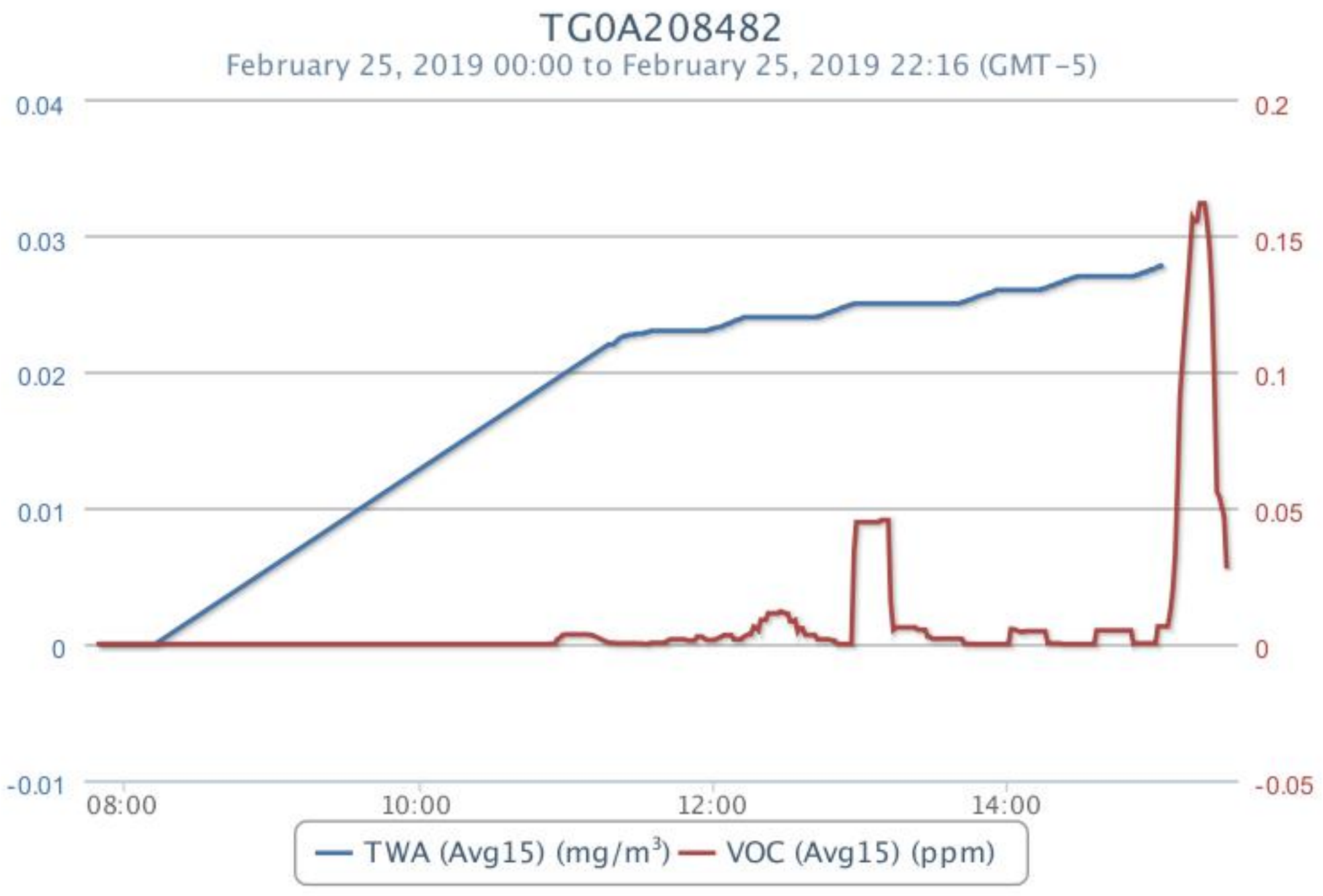
0.075
0.05
0.025
0
-0.025
-0.05
08:00
09:00
10:00
11:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
February 21, 2019 00:00 to February 21, 2019 17:50 (GMT-5)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
3
2.5
2
1.5
1
0.5
0
-0.5
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
February 25, 2019 00:00 to February 25, 2019 22:16 (GMT-5)
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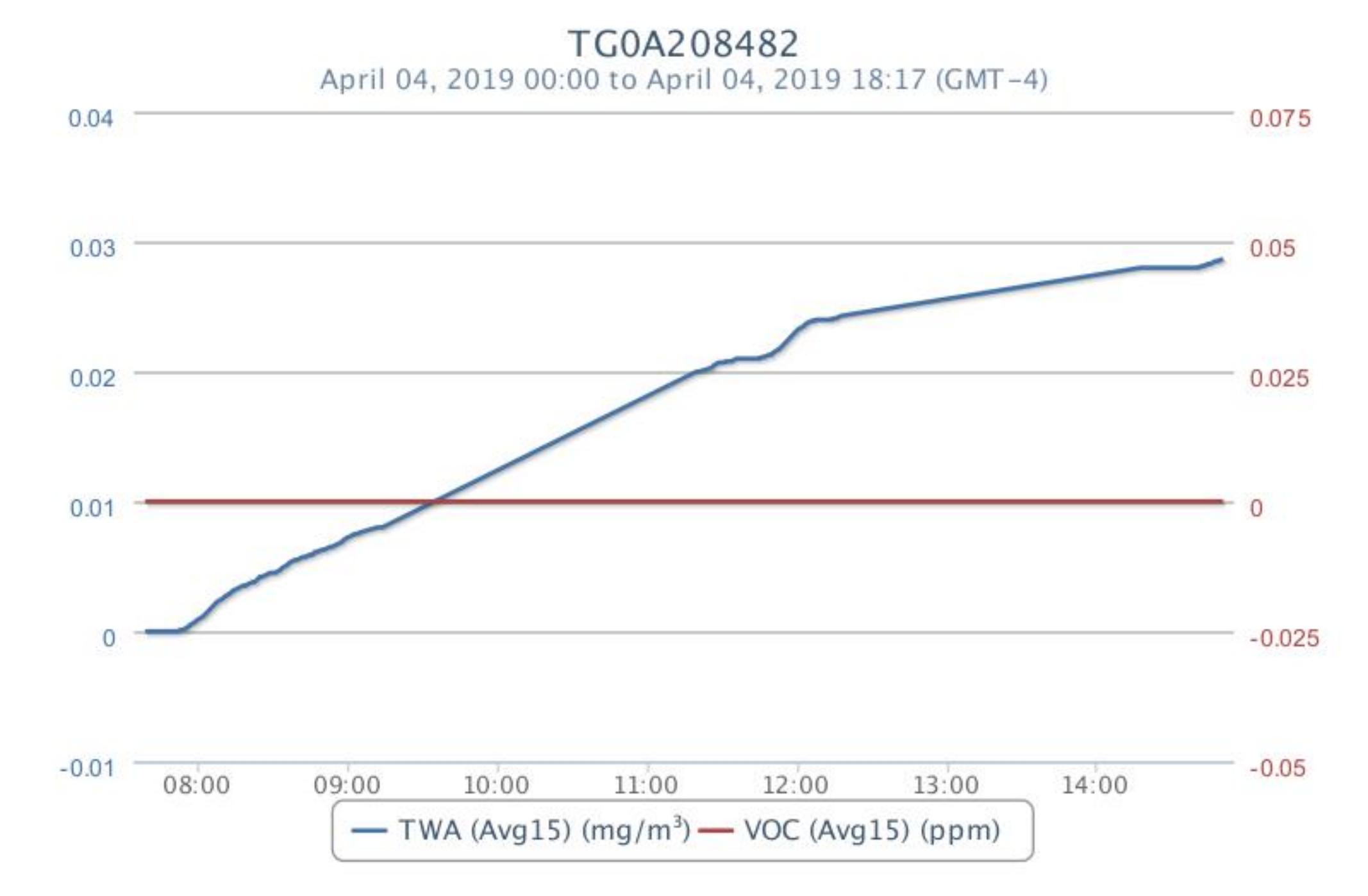
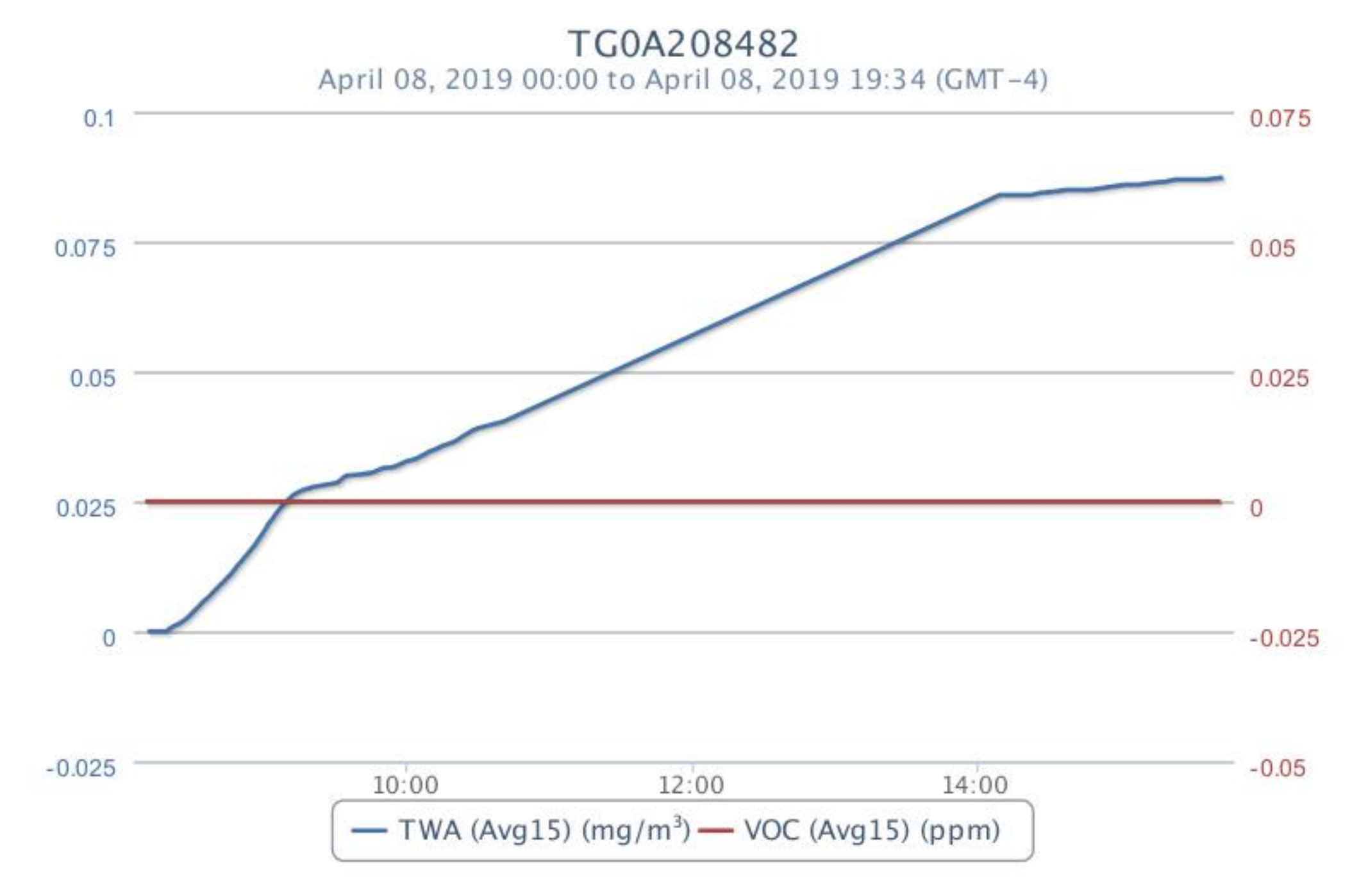
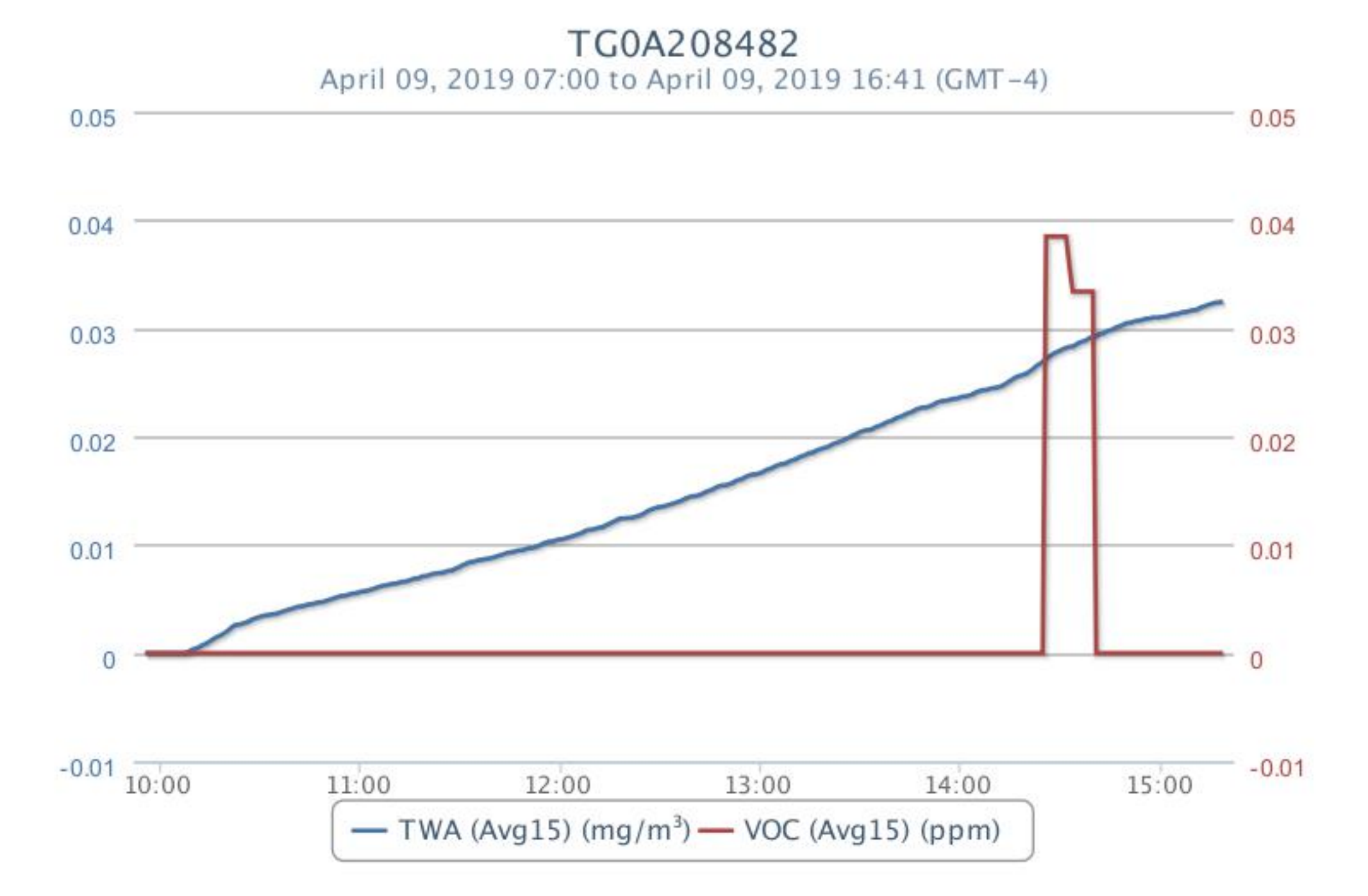
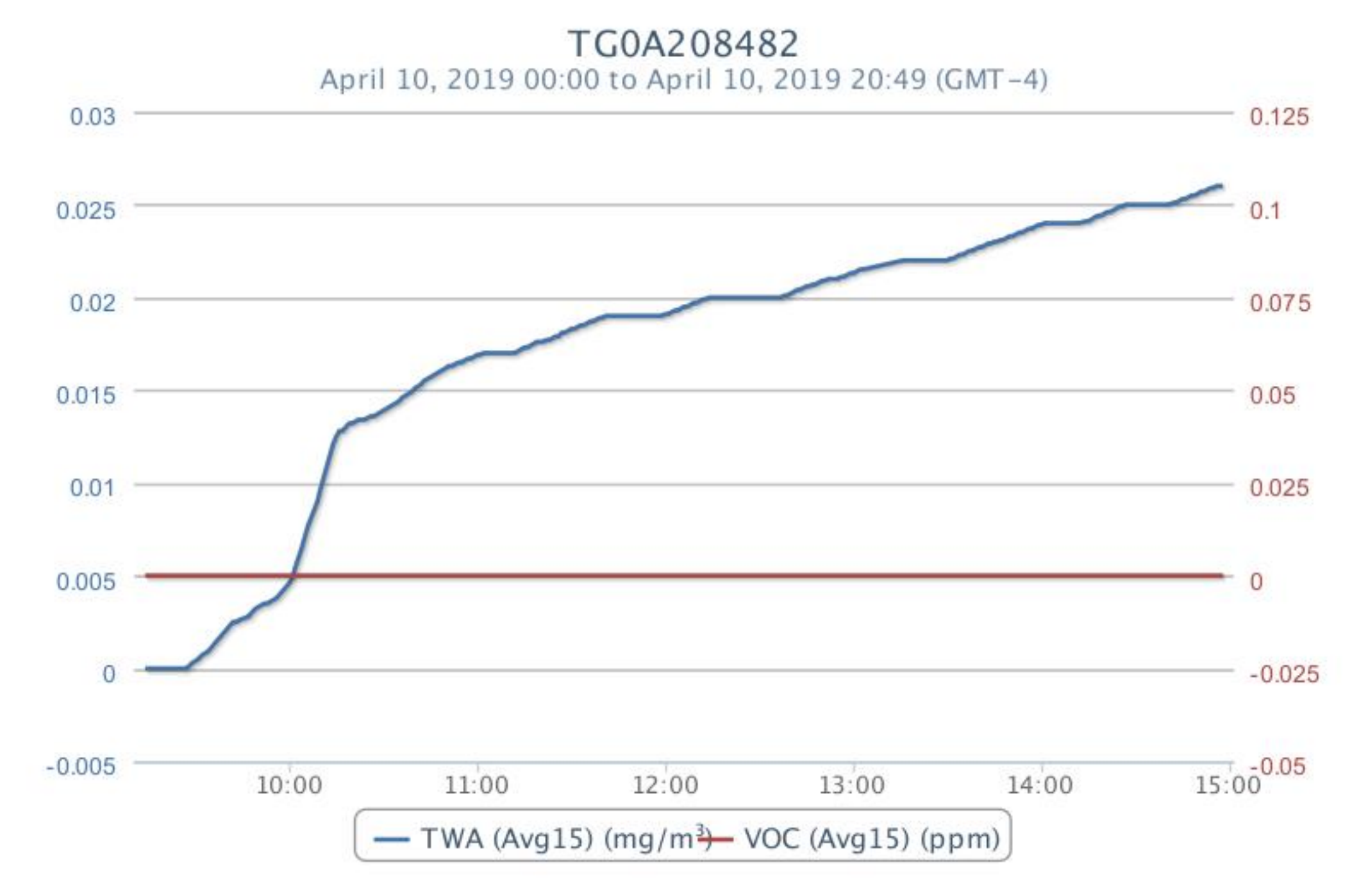
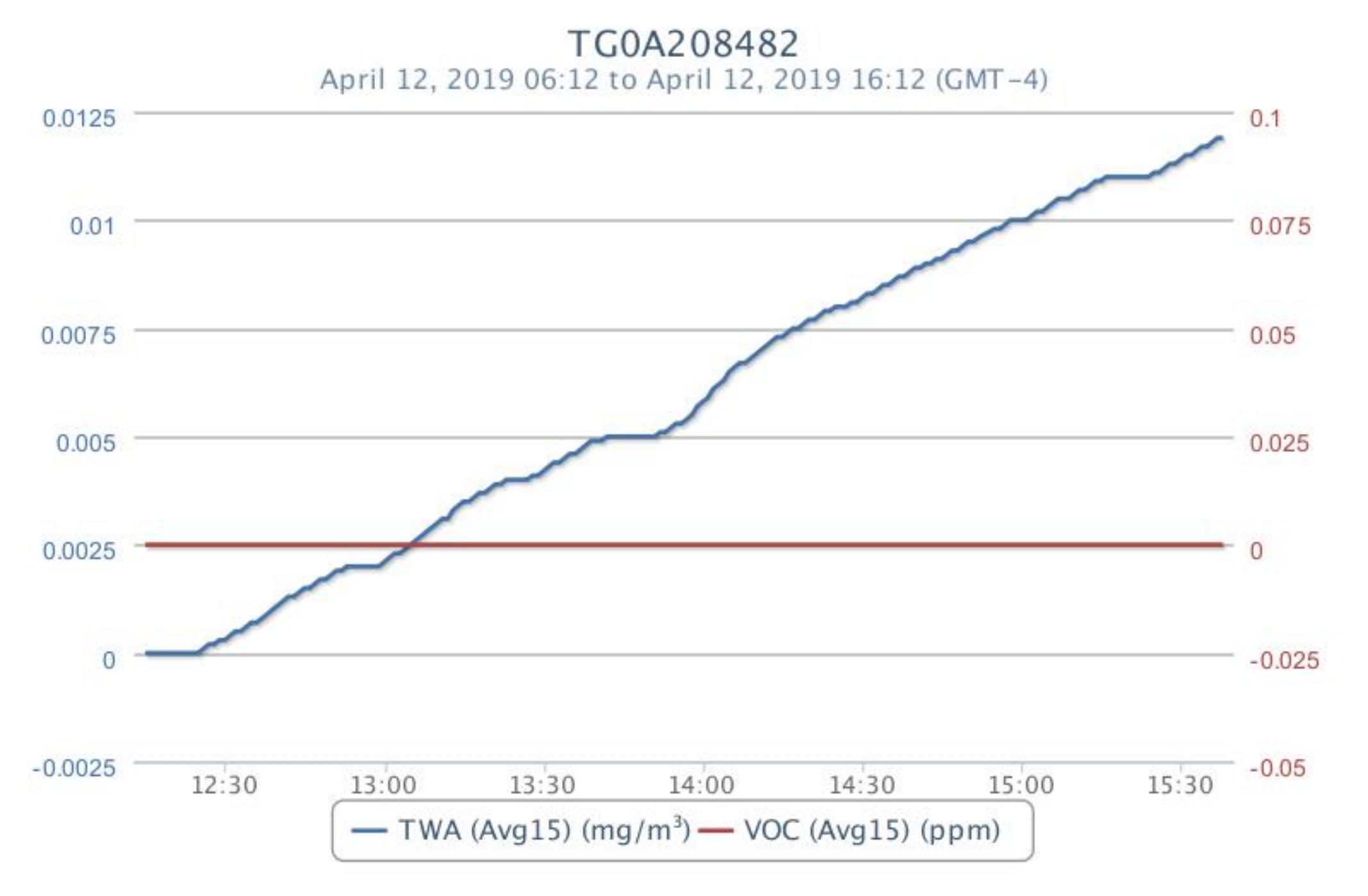
0.03
0.02
0.01
0
-0.01
0.2
0.15
0.1
0.05
0
-0.05
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m³)
VOC (Avg15) (ppm)

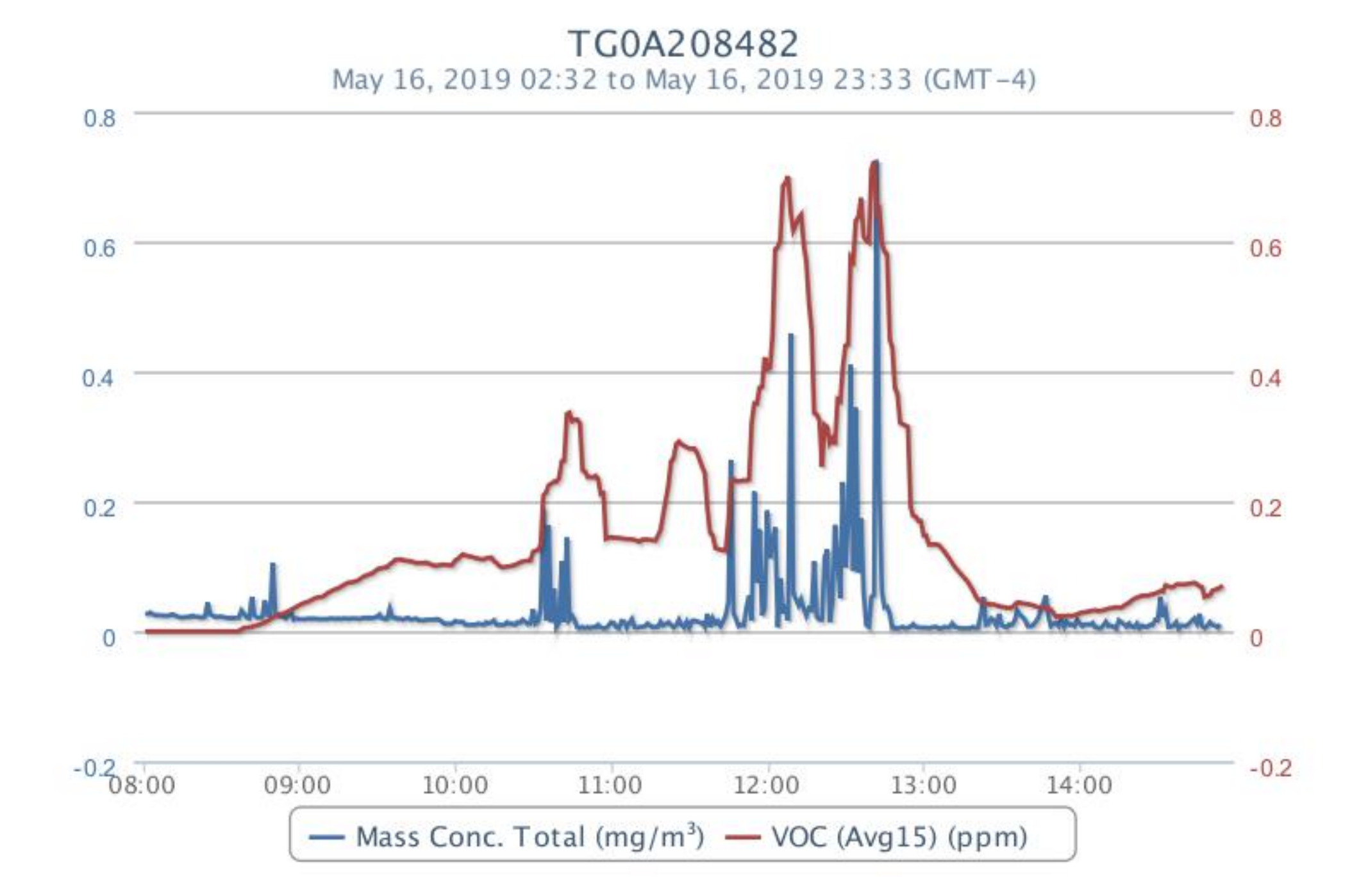

TG0A208482
April 04, 2019 00:00 to April 04, 2019 18:17 (GMT-4)
0.04
0.03
0.02
0.01
0
-0.01
0.075
0.05
0.025
0
-0.025
-0.05
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

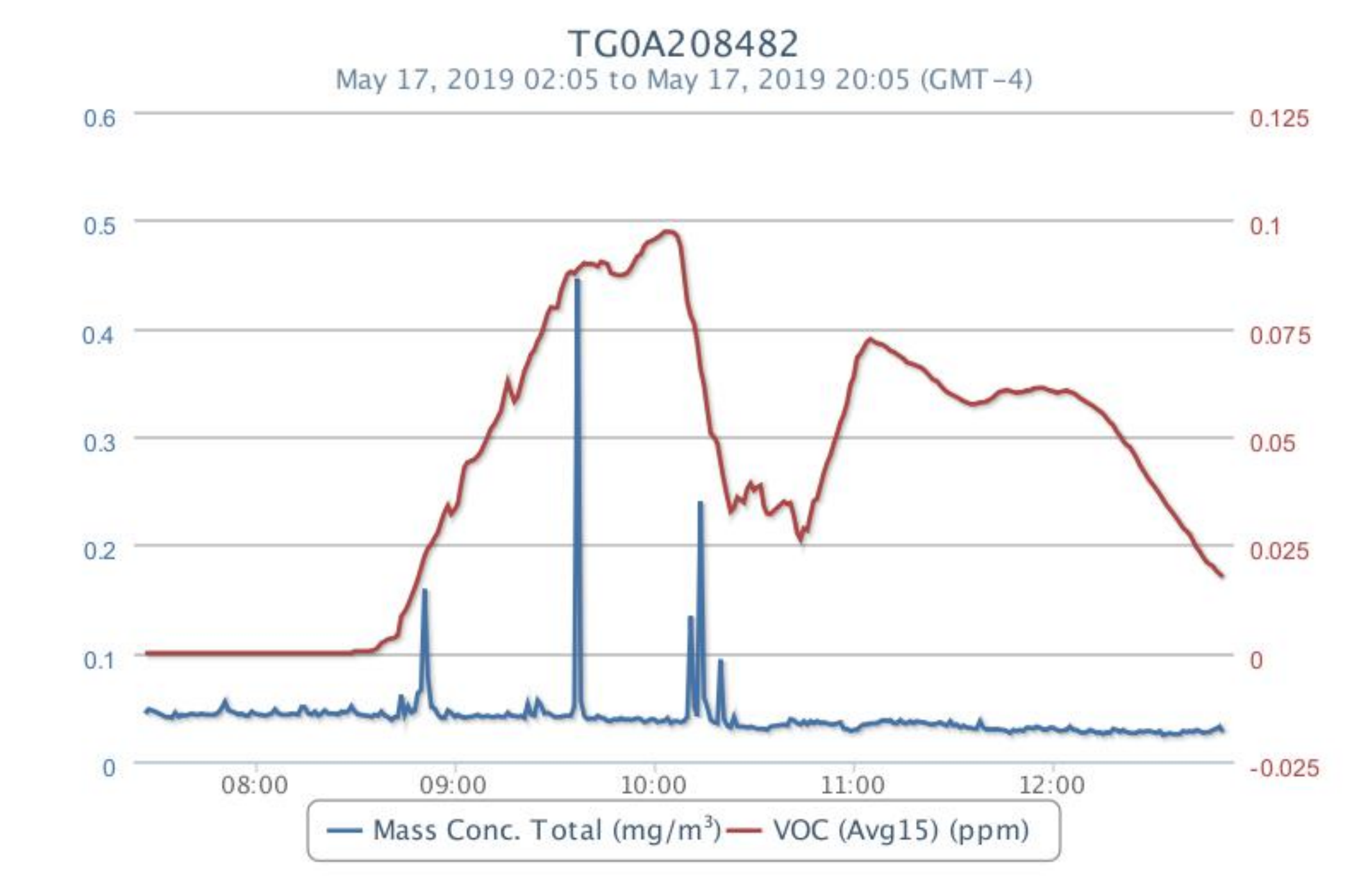

TG0A208482
April 08, 2019 00:00 to April 08, 2019 19:34 (GMT-4)
0.1
0.075
0.05
0.025
0
-0.025
0.075
0.05
0.025
0
-0.025
-0.05
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

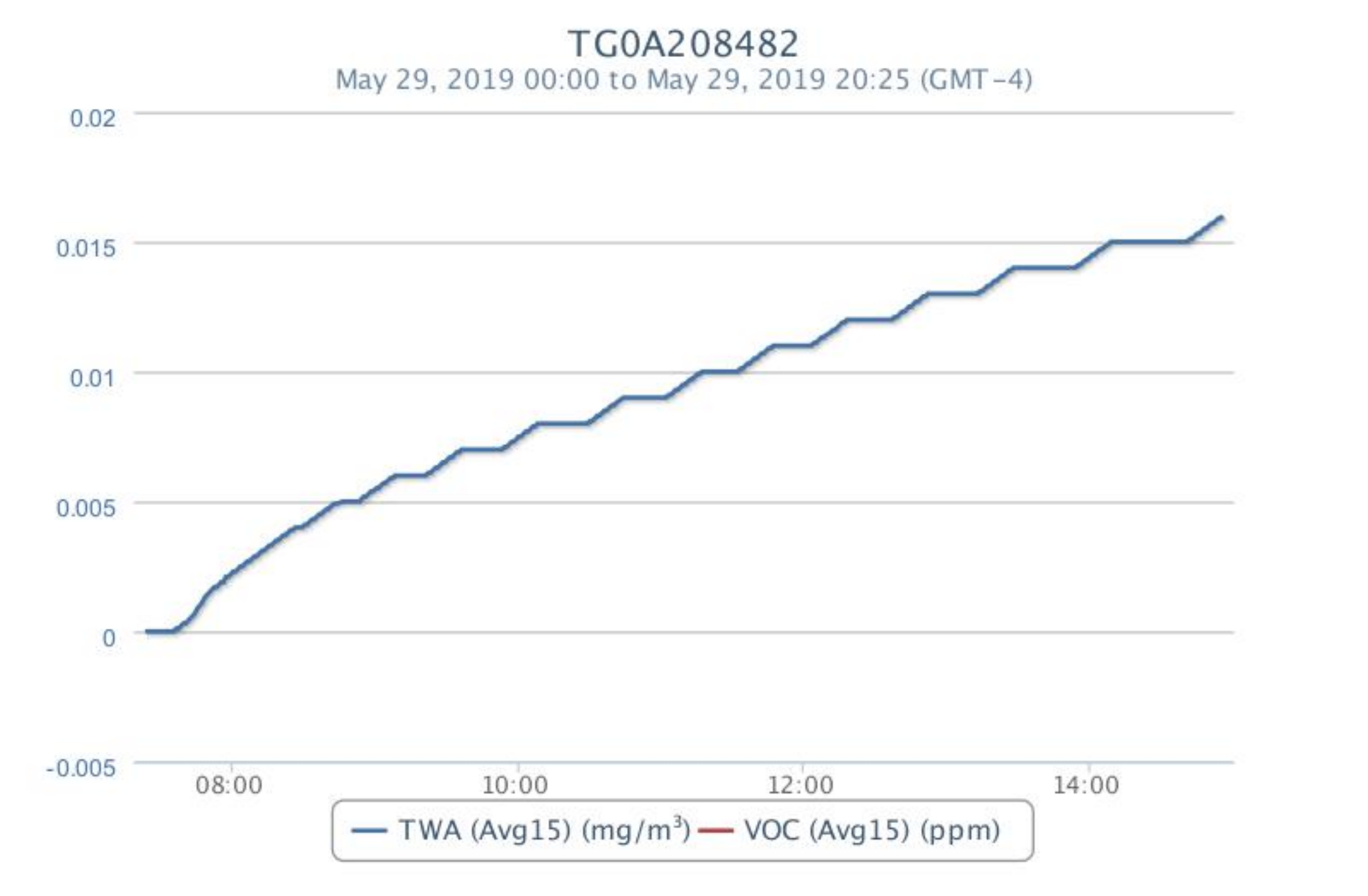

TG0A208482
April 09, 2019 07:00 to April 09, 2019 16:41 (GMT-4)
0.05
0.04
0.03
0.02
0.01
0
-0.01
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
April 10, 2019 00:00 to April 10, 2019 20:49 (GMT-4)
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.005
0.125
0.1
0.075
0.05
0.025
0
-0.025
-0.05
10:00
11:00
12:00
13:00
14:00
15:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
April 12, 2019 06:12 to April 12, 2019 16:12 (GMT-4)
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.1
0.075
0.05
0.025
0
-0.025
-0.05
12:30
13:00
13:30
14:00
14:30
15:00
15:30
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
May 16, 2019 02:32 to May 16, 2019 23:33 (GMT-4)
0.8
0.6
0.4
0.2
0
-0.2
08:00
09:00
10:00
11:00
12:00
13:00
14:00
Mass Conc. Total (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
May 17, 2019 02:05 to May 17, 2019 20:05 (GMT-4)
0.6
0.5
0.4
0.3
0.2
0.1
0
0.125
0.1
0.075
0.05
0.025
0
-0.025
08:00
09:00
10:00
11:00
12:00
Mass Conc. Total (mg/m³)
VOC (Avg15) (ppm)


TG0A208482
May 29, 2019 00:00 to May 29, 2019 20:25 (GMT-4)
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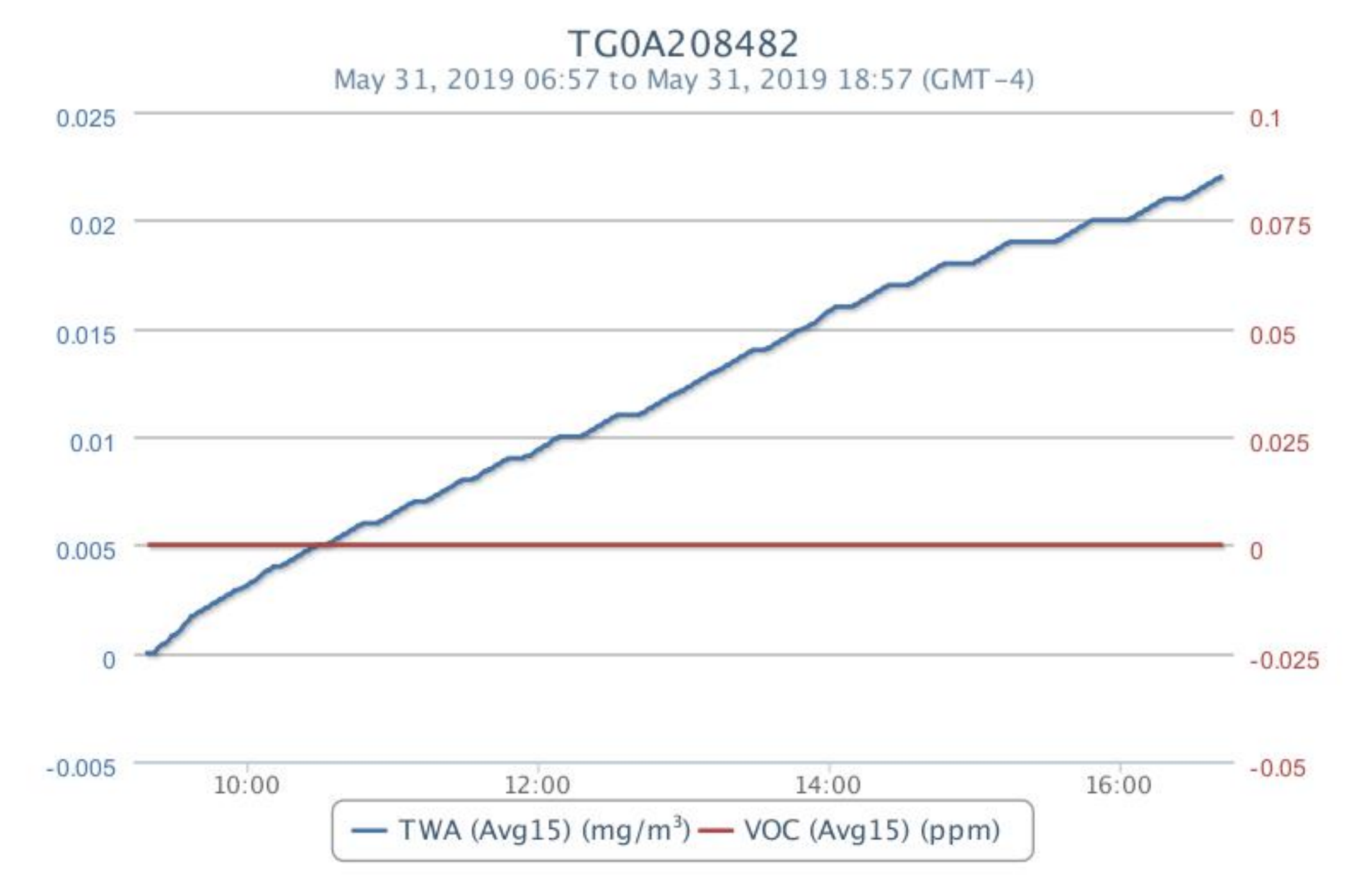
0.015
0.01
0.005
0
-0.005
08:00
10:00
12:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
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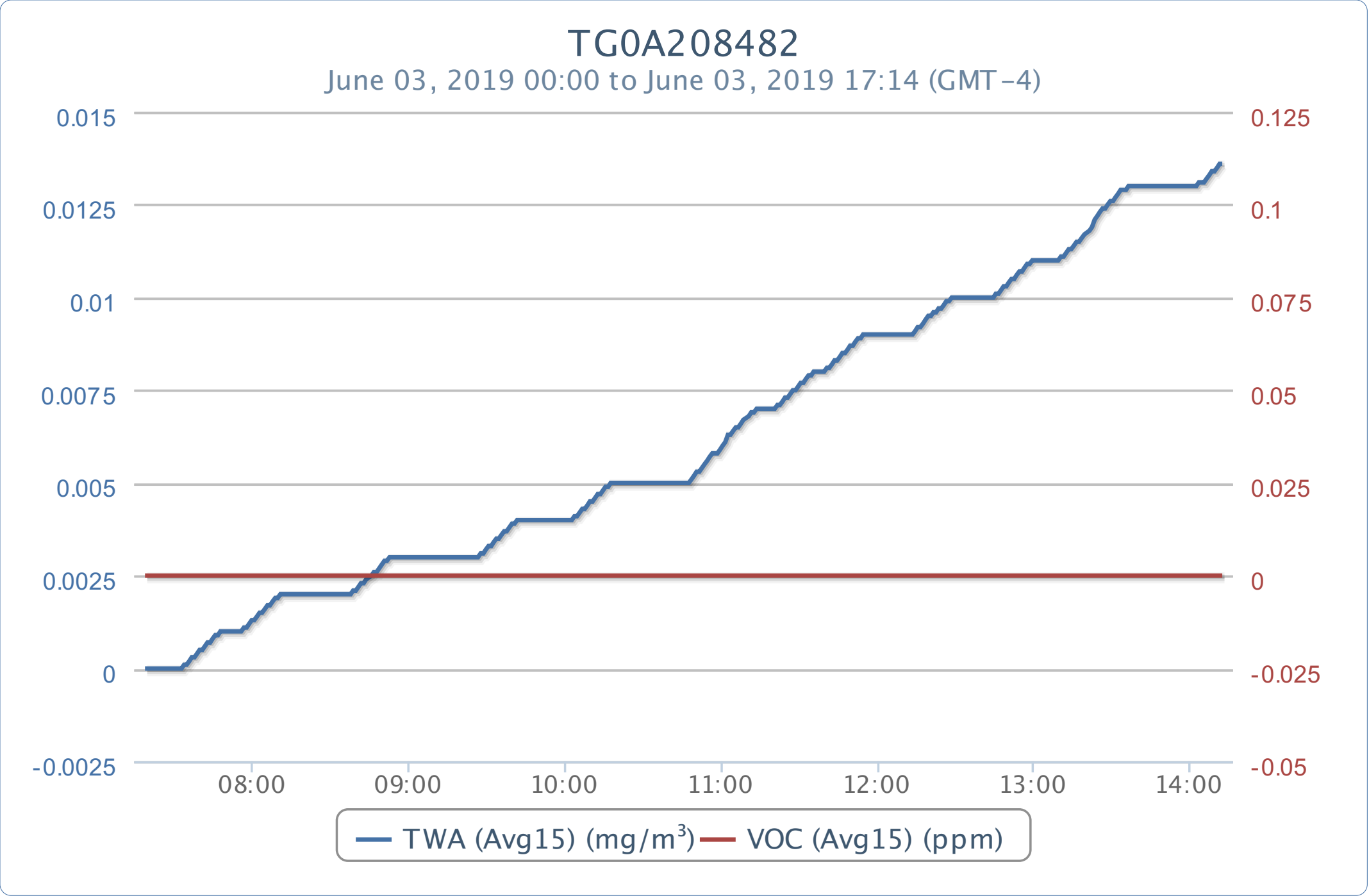
0.02
0.015
0.01
0.005
0
-0.005
0.1
0.075
0.05
0.025
0
-0.025
-0.05
10:00
12:00
14:00
16:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
June 03, 2019 00:00 to June 03, 2019 17:14 (GMT-4)
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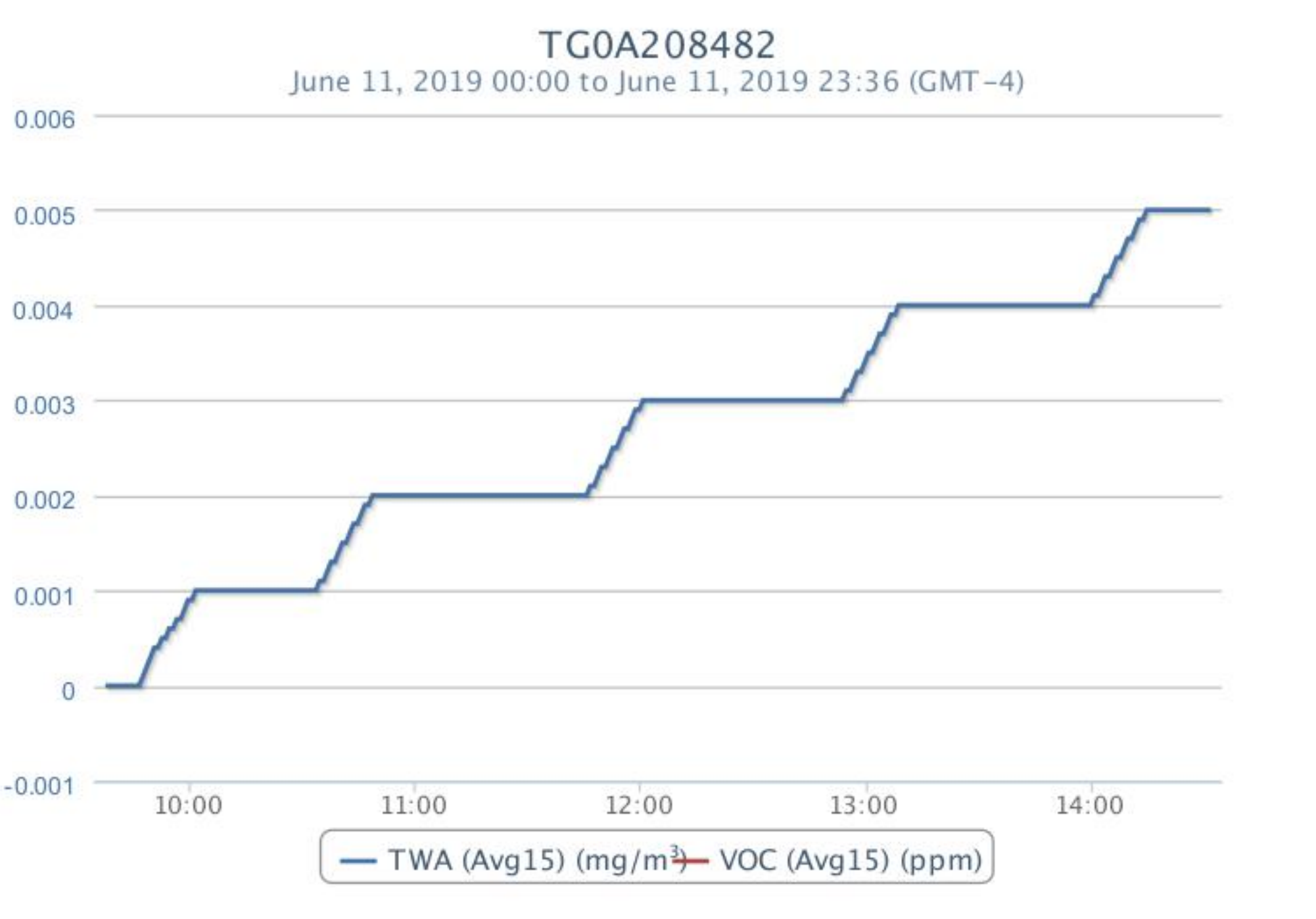
0.0125
0.01
0.0075
0.005
0.0025
0
-0.0025
0.125
0.1
0.075
0.05
0.025
0
-0.025
-0.05
08:00
09:00
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)


TG0A208482
June 11, 2019 00:00 to June 11, 2019 23:36 (GMT-4)
0.006
0.005
0.004
0.003
0.002
0.001
0
-0.001
10:00
11:00
12:00
13:00
14:00
TWA (Avg15) (mg/m3)
VOC (Avg15) (ppm)

APPENDIX E

DAILY AND MONTHLY REPORTS (CD)

APPENDIX F

PROJECT PHOTO LOG

Photograph 1. The site is cleared of debris prior to excavation activities.

Photograph 2. Excavation activities begin on the site (viewing grids B1, B2, C1, and C2).

Photograph 3. A 100-gallon tank and piping were discovered in Grid A2, and were placed on plastic for future cleaning and disposal.

Photograph 4. ABC Fuel Oil Cleaners were mobilized to clean and dispose of the tank and piping, and drum of contaminated soil from inside the tank.

Photograph 5. Two 550-gallon USTs were discovered in Grids A1 and A2 during excavation and SOE work.

Photograph 6. Brookside Environmental pumped out, cleaned, and removed the USTs from the site.

Photograph 7. Following initial end point sampling, clean stone was imported and Grace Preprufe 300R was installed in Grids A1, A2, and B1.

Photograph 8. During foundation excavation and rebar installation activities, contaminated soil discovered in Grid A2 was excavated and covered until it could be properly disposed of.

Photograph 9. Site excavation/direct-loading of trucks with soil for off-site disposal.

Photograph 10. Clean imported stone is spread for the step-footings in Grid B1. Concrete forms are installed for future concrete wall pours.

Photograph 11. Mega installed Stego Wrap vapor barrier for the Grid B1 step footing and connected it to the Grace Preprufe waterproofing membrane in the Grid A1/A2/B1.

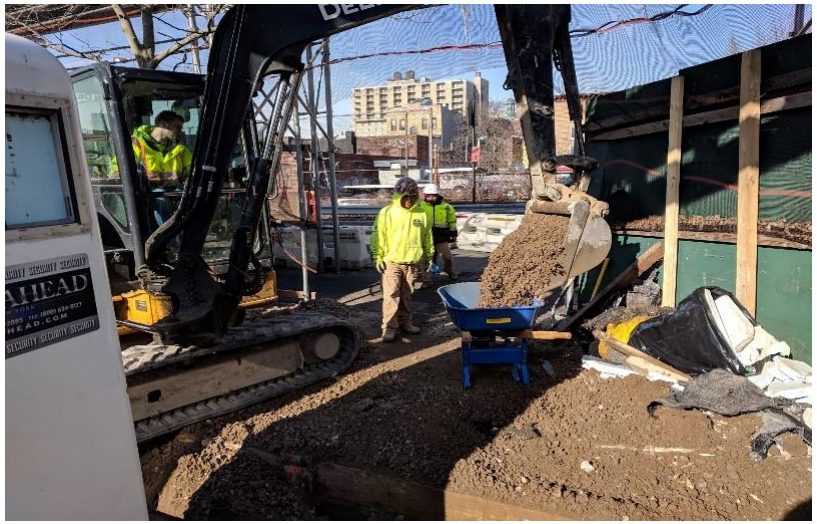
Photograph 12. Excavation continues for the remaining cellar step-footings.

Photograph 13. Moncon demolishing the retaining wall on the eastern property boundary.

Photograph 14. Due to space constraints, Moncon temporarily stages off-site soil that fell down during demolition of the retaining wall.

Photograph 15. Moncon covers off-site soil stockpile with plastic sheeting in Grids C2 and B2.

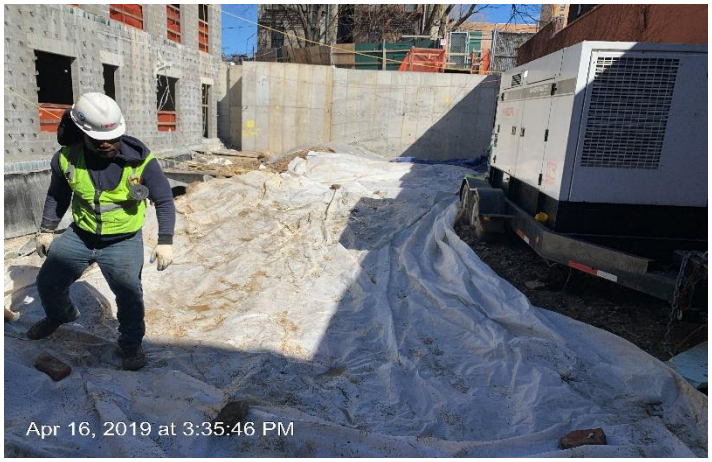
Photograph 16. The temporarily staged off-site soil is placed behind the new retaining wall (off-site) behind the new soil retaining wall.



Photograph 17. Moncon removes the ¾'' stone blend from behind the western wall in Grids A1 and A2, per the corrective action work plan (CAWP).

Photograph 18. The ¾'' stone blend is replaced with virgin stone behind the western wall in Grids A1 and A2.

Photograph 19. Moncon spreads RCA for vapor barrier installation in Grid C1.



Photograph 20. Plastic sheeting was placed over exposed soil in the rear yard when subsurface disturbance was not occurring.

Photograph 21. AKRF collects post-excavation endpoint samples from Grid B2 and measures endpoint sampling locations.

Photograph 22. Mega installs a demarcation barrier consisting of orange snow fence within Grids B2 and C2.

Photograph 23. Mega imports clean fill above the demarcation barrier in Grids B2 and C2.

Photograph 24. Mega grades clean fill above the demarcation barrier to complete the minimum 2' layer of clean fill in Grids B2 and C2.

APPENDIX G

PBS REGISTRATION AND TANK CLOSURE DOCUMENTS

APPENDIX H

WASTE CHARACTERIZATION REPORT AND LABORATORY RESULTS

APPENDIX I

DISPOSAL FACILITY DOCUMENTATION

BAYSHORE
Soil Management, LLC

75 Crows Mill Road, P.O. Box 290
Keasbey, New Jersey 08832
Phone: (732) 738-6000 • Fax: (732) 738-0620
www.bayshorerecycling.com

July 20, 2018

Material Solution Services
Ms. Deborah Staas-Haught
PO Box 143
Orefield, PA 18069

RE: 3500 Park Avenue Apartments Project
3500 Park Avenue
Bronx, NY 10456
BCP Site Number: C203096
CEQR Number: 08DCP022X

Dear Ms. Staas-Haught:

Bayshore Soil Management, LLC (BSM) has reviewed the analytical results for soils/fill originating at the 3500 Park Avenue Apartments Project in Bronx, NY. In review of Alpha Analytical report: L1614196 and Chemtech reports: J3368 and J3933, with data (including associated results for TCLP) representing approximately 60 tons of materials at RAWP boring location SB-1, BSM has identified soils that appear to meet our acceptance criteria for Petroleum Contaminated Soils/ Urban Fill. This decision was based on the submitted generator waste profile and analytical testing results stemming from site remedial investigation activities. The review also included the following documents:

- Remedial Action Work Plan for 3500 Park Avenue Apartments, prepared by AKRF, Inc., dated April 2018
- Soil Waste Characterization Results Report for 3500 Park Avenue Apartments, prepared by AKRF, Inc., dated May 18, 2018

Bayshore Soil Management, LLC can only accept non-hazardous contaminated soil and based on our review of the soil chemistry data, the proposed materials are acceptable under the guidelines of our operating permits.

The project has been approved under **BSM# 2718-0976,** pending BSM collection of samples for 1 Paint Filter Test and 1 Total EPH. Should you have any questions or require further information, please feel free to contact us at 732.738.6000.

Kind Regards,

Iryna Shybysta
Compliance Associate

AT/IS

The Bridge
MENTAL HEALTH AND
HOUSING SOLUTIONS

290 Lenox Avenue, 3rd Floor
New York, NY 10027
Tel: 212.663.3000
Fax: 212.665.2536
www.thebridgeny.org

June 13, 2018

Michelle Lapin, P.E.
Senior Vice President
AKRF, Inc.
440 Park Avenue South
New York, NY 10016

Re: Letter of Authorization
Waste Disposal for Remedial Activities
3500 Park Avenue Apartments – 3500 Park Avenue, Bronx, New York

Dear Ms. Lapin:

On behalf of 3500 Park Apts. HDFC, Inc. and 3500 Park Apts. L.P. (Owner), I hereby authorize AKRF to sign manifests and waste profiles relating to the generation, transportation, recycling and/or disposal of non-hazardous or hazardous wastes and/or other wastes (e.g., excavated soil, drill cuttings, purged groundwater, decontamination water, etc. associated with the remediation/redevelopment of the site) as agent for the Owner at the above-referenced project site. Subject to the terms of the contracts established with the Owner, AKRF shall not assume any liability in connection with signing any manifests or waste profiles pursuant to this letter.

Sincerely,

Carole Gordon

cc:

Deborah Shapiro, AKRF
Mark Jepsen, AKRF

2500-FM-BWM0008 Rev. 6/2017

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

FORM FP-001 - CERTIFICATION OF CLEAN FILL

Prior to completing this form and signing this certification, please review the entire Management of Fill policy (#258-2182-773), including the certification requirements. Please note that historic fill, as defined in the Management of Fill policy, may meet the definition of clean fill if the material is limited to uncontaminated soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such.

Fill containing a concentration of total PCBs greater than 2 ppm may be subject to regulation under the Toxic Substances Control Act (TSCA), 15 U.S.C. Section 2601 *et seq.*, and 40 C.F.R. Part 761, which is administered and implemented by the USEPA. For all such material, contact the PCB Coordinator for EPA Region 3 by email at R3_PCB_Coor@epa.gov to determine the allowable PCB level for your site and situation prior to transporting the material off the site of origin or accepting the material for use.

Instructions: Sections 1 and 2 of this form must be completed by the person making the determination of clean fill at the site of origin. Section 3 must be completed by the person using the material as clean fill. Both the person determining clean fill and the user of the clean fill are responsible for maintaining copies of this completed form on site for a period of five (5) years for Department inspection.

Section 1: Person Determining Clean Fill

Name (Print): DESPINA POULIDOU Title: PROJECT MANAGER Date: 6/15/18

Company Name: MEGA CONTRACTING GROUP

Street Address: 48-02 25TH AVENUE City: ASTORIA State: NY Zip Code: 11103

Telephone Number: 718-489-1704 E-mail Address: DPOULIDOU@MEGAGROUP.NYC

Clean Fill Material originated on the following property:

Site Name: 3500 PARK AVENUE APARTMENTS

Street Address: 3500 PARK AVENUE City: BRONX State: NY Zip Code: 10456

Section 2: Site Characterization * PLEASE SEE ADDITIONAL INFORMATION ATTACHED UNDER HEADING "SECTION 2: SITE CHARACTERIZATION"

Check the following that applies:

☒ **A. IF the site of origin for the fill material has undergone or is undergoing cleanup or remediation pursuant to a local state or federal regulatory program that requires site characterization, provide the following information along with a copy of the entire site characterization and laboratory analysis for the material to be used as clean fill.**

Name of local, state, or federal agency: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Identification number assigned to the project: NYSDEC BCP SITE # C203069

Name of the local, state, or federal contact person: MS. WENDI ZHENG

Telephone Number: 718.482.7541 E-mail Address: WENDI.ZHENG@DEC.NY.GOV

Name of the Laboratory that conducted the analysis: ALPHA ANALYTICAL LABORATORIES CHEMTECH SGS NORTH AMERICA INC. LABORATORIES

Laboratory Accreditation Number: ALPHA: NJ NELAP (MA935)/NY(11148) NJ(20012) SGS: NJ(12129)/NY(10983) CHEMTECH: NY(11376) PA(68-00548)

☒ **B. IF the material proposed to be used as clean fill has otherwise been subject to analytical testing or other procedure identified in the definition of "environmental due diligence" contained in the Management of Fill policy, provide or attach the following:**

Copies of **ALL** lab analytical testing performed as part of environmental due diligence (see Management of Fill policy, #258-2182-773).

Name of the Laboratory that conducted the analysis: ALPHA ANALYTICAL LABRATORIES CHEMTECH SGS NORTH AMERICA INC. LABRATORIES

Laboratory Accreditation Number: ALPHA: NJ NELAP (MA935) / NY (11148) NJ (20012) SGS: NJ (12129) / NY (10983) CHEMTECH: NY (11376) PA: (68-00548)

☐ **C. IF the proposed material to be used as clean fill was subject to environmental due diligence procedures as defined in the Management of Fill policy other than those listed in A and B, describe those procedures.**

_____

_____

I, the undersigned, certify under penalty of law (18 Pa. C.S.A. §4904) that the information provided in Sections 1 and 2 of this form is true and correct to the best of my knowledge, information and belief.

Signature: _____ MEGA CONTRACTING.

Section 3: Person Receiving or Placing Clean Fill

Name and address of person completing this form:

Name (Print): _____ Date: _____

Mailing Address: _____ City: _____ State: _____ Zip Code: _____

Telephone Number: _____ E-mail Address: _____

Fill material that has been determined to be clean fill will be placed on the following property solely for property improvement or construction purposes:

Property Address: _____ City: _____ State: _____ Zip Code: _____

Current Owner of Property: _____

Telephone Number: _____ E-mail Address: _____

The quantity of clean fill to be placed on the property is:

☐ <3,000 cubic yards ☐ 3,000 cubic yards to 20,000 cubic yards ☐ >20,000 cubic yards

I, the undersigned, certify under penalty of law (18 Pa. C.S.A. §4904) that the information provided is true and correct to the best of my knowledge, information and belief.

Signature: _____

* * * * *

Prior to placement of the clean fill, the owner of the property receiving fill material shall provide a copy of this completed form and attachments to the DEP Regional Office serving the county in which the receiving site is located. If a property receives fill from multiple sources, a separate Form FP-001 is required for each source.

SECTION 2: SITE CHARACTERIZATION

Copies of the following environmental reports and corresponding laboratory analytical testing reports should be reviewed:

AKRF's "Remedial Investigation Report" Dated May 2016 with corresponding Alpha Analytical Laboratory reports #L1614554 and #L1614196.

AKRF's "Supplemental Remedial Investigation Report" Dated March 2018 with corresponding SGS North America Inc. Laboratory's reports #JC57561 and #JC57563.

AKRF's "Remedial Action Work Plan" Dated April 2018.

AKRF's "Soil Waste Characterization Results" Letter Report Dated May 18, 2018 with corresponding SGS North America Inc. Laboratory's report #JC65269. "

Material Solution Services " Final Approval Letter" Report Dated June 15, 2018 with corresponding Chemtech Report of Delineation Analysis and Delineation Map #J3368

Material Solution Services

Coplay Quarry Reclamation Project
5101 Beekmantown Rd
Whitehall, PA 18052

Capital Development
1 Capital Blvd.
East Bangor, PA 18013

Material Profile Sheet

MANIFEST INFORMATION:
GENERATOR

Company Name 3500 PARK APTS. HDFC, 3500 PARK APTS. L.P.

Street Address 290 LENOX AVENUE

City NEW YORK, County NEW YORK, State NY Zip Code 10027

GENERAL CONTRACTOR

Company Name MEGA CONTRACTING GROUP

Street Address 48-02 25TH AVENUE, SUITE 400

City ASTORIA, County QUEENS, State NY Zip Code 11103

Contact Name and Number: DESPINA POULIDOU (718) 489-1704

PROJECT/SITE INFORMATION:
LOCATION

Street Address 3500 PARK AVENUE
(where the material was generated)

City BRONX, County BRONX, State NY Zip Code 10456

PROJECT INFORMATION:
Brief Site History

Has a Phase I or II been completed? (Yes) No If yes, please attach a copy.

Sampling Plan? (Yes) No If yes, please attach a copy.

Submittal Certification:

I certify that I have examined and am familiar with the information submitted in this form and all submitted documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information; I believe that the submitted information is true, accurate, and complete. I, the undersigned being duly authorized by my company certify that the material we are deposing is not a characteristic hazardous waste as defined in 40 CFR, Sections 261.20 to 261.24 and/or is not a listed hazardous waste as defined in 40 CFR, Sections 261.30 to 261.34. I also certify the project does not contain PCB's that would render it toxic as defined under the Toxic Substance Control Act (TSCA) 15 U.S.C. 2601 et seq. of 1976 or 40 CFR 761. I am aware that omission of information or submission of false information could subject me and my company to both civil and criminal penalties. I hereby certify, to the best of my knowledge, that the above referenced analytical samples represent the material for disposition and material is non-hazardous.

(Signature)

6/15/18
(Date)

DESPINA POULIDOU-MEGA CONTRACTING, MEGA CONTRACTING GROUP
(Print Name) (Company Name)

MSS

Version: 011617

Material Solution Services

Coplay Quarry Reclamation Project
5101 Beekmantown Rd
Whitehall, PA 18052

Capital Development
1 Capital Blvd.
East Bangor, PA 18013

Material Profile Sheet

Project Number: MSS 18214

Project Name: 3500 PARK AVENUE APARTMENTS

Project Location: 3500 PARK AVENUE

BRONX, NY, 10456

Generator's or General Contractor's Certification

I, the undersigned being duly authorized by my company certify that the material we are deposing is not a characteristic hazardous waste as defined in 40 CFR, Sections 261.20 to 261.24 and/or is not a listed hazardous waste as defined in 40 CFR, Sections 261.30 to 261.34. I also certify the project does not contain PCB's that would render it toxic as defined under the Toxic Substance Control Act (TSCA) 15 U.S.C. 2601 et seq. of 1976 or 40 CFR 761. Furthermore, based on generator's/GC's knowledge of the project, the documentation, which may or may not include analytical, Phase I or II, and Site Investigations, is to be a true representation of the material presented for disposal. I, or a representative, has provided all relevant environmental documents to Material Solution Services, Inc. for review. I am aware that omission of information or submission of false information could subject me and my company to both civil and criminal penalties.

Company: MEGA CONTRACTING GROUP

Signature:

Print Name: DESPINA POULIDOU - MEGA CONTRACTING

Date: 6/15/18

Material Solution Services

21 E 10th Street
Northampton, PA 18067
p(610)440-2301

February 13, 2019

Mr. Ron Schreiber
All Suffolk Materials, Inc.
910 Middle Country Road, Suite 4
Selden, NY 11784

Re: MSS18214 Final Approval Letter REV9
3500 Park Avenue
Bronx, NY
Approval Volume: 12,000 yd^3 / 18,000 tons

Dear Mr. Schreiber;

Material Solution Services is the exclusive brokerage firm for the Coplay Quarry Reclamation Project and the Capital Quarry Reclamation Project facilities that are accepting PA Clean and Regulated Fill. As requested, Material Solution Services (MSS) has reviewed the information provided by All Suffolk Materials, Inc. and is pleased to provide you with this final acceptance letter for soil, asphalt, and recycled concrete aggregate material being generated from the project site referenced above into our Capital Quarry beneficial use facility located in Bangor, PA.

The documents and laboratory analysis reports made available for this review include the following:

A. APPROXIMATE EXCAVATION DEPTHS MAP
B. PROPOSED TRUCKING ROUTE
C. SOIL BORING LOCATIONS AND CONTAMINANTS
D. 3500 PARK-FINAL REMEDIAL ACTION WORK PLAN
E. 3500 PARK - FINAL WASTE CATEGORIZATION- PT1
F. 3500 PARK - FINAL WASTE CATEGORIZATION- PT2
G. 3500 PARK - FINAL WASTE CATEGORIZATION- PT3
H. 3500 PARK - FINAL WASTE CATEGORIZATION- PT4
I. Form FP-001 MATERIAL GENERATOR SHEETS
J. Delineation Map
K. FAX - J3368 - 06-12-18 (Chemtech Laboratory Report – Data for Metals)
L. Sampling Event Details 6.15.18

M. FAX - J3933 - 07-11-18 (Chemtech Laboratory Report – Data for Semi-Volatile Organics)
N. Proposed Delineation Map of SB-1 (4-6)
O. FAX - J3933 - 07-13-18 (Chemtech Laboratory Report – Data for Semi-Volatile Organics)
P. 3500 Park Avenue_WC Report Final
Q. 12477 Fig 2 Petroleum Contaminated Soil Waste Characterization
R. JC71947
S. JC74509
T. 3500 PARK AVENUE- ENDPOINT SAMPLE
U. jc80143 (SGS Laboratory Report RCA Backfill)
V. 312000-06-R2 Foundation Wall Backfill - AAN

Based on review of the analytical data, the soil, asphalt, and recycled concrete aggregate material from the cells listed in *Table* 1 below meets our acceptance criteria and are - at this time - approved into our Capital Quarry facility as PA-Clean fill.

Table 1. Samples Approved as PA-Clean Fill

SB-1 (0-2)	SB-1 (10-12)	SB-2 (0-2)	SB-2 (4-6)	SB-2 (10-12)
SB-3 (0-2)	SB-3 (10-12)	SB-4 (0-2)	SB-4 (6-8)	SB-4 (10-12)
SB-5 (0-2)	SB-5 (4-6)	SB-5 (10-12)	SB-X	SRI-SB-6 (12-13) 2017218
SRI-SB-7 (0-2) 2017218	SRI-SB-7 (12-13) 2017218	SRI-SB-8 (0-2) 2017218	SRI-SB-8 (12-13) 2017218	SRI-SB-9 (0-2) 2018218
SRI-SB-9 (12-13) 2017218	WC-A1-(0-5)G/C	WC-A1-(5-10)G/C	WC-A2-(0-10)G/C	WC-A2-(10-15)G/C
WC-B1-(0-10)G/C	WC-B1-(10-15)G/C	WC-B2-(0-5)G/C	WC-C1-(5-10)G/C	WC-C2-(0-5)G/C
WC-A1-(10-15)G/C	SRI-SB-6 (0-2) 2017218	S-1	S-2	S-3
EP-8-S1	EP-10-E1	EP-12-W1	EP-1-3	EP-7-4
EP-7-N2	WC-STA1-(5-6)G/C	WC-STA2 (15-16)G/C	ISP-1_20181220	ISP-X_20181220

No material represented by sample **SB-1 (4-6)** is being accepted at this time. This material does **not** meet the acceptance criteria at our facility. As requested by the Pennsylvania Department of Environmental Protection (PADEP), delineation sampling has been performed to determine the extent of SVOC contamination at the location of this soil boring. This material was successfully delineated with samples collected by MSS on July 10th, 2018. The extent of contamination and limits of material which must be sent to an appropriate alternative facility from the location of soil boring **SB-1 (4-6)** are as follows: horizontally five feet to the east, west, south and ten feet to the north; vertically from three feet below grade surface (BGS) to seven feet BGS.

The documents reviewed indicates that the above referenced material meets the facility's Clean Fill Protocol and are in full compliance with Pennsylvania Department of Environmental Protection Rules and Regulations and associated project requirements. All the analytical results and reports mentioned above were reviewed and compared to the PADEP Management of Fill Policy (258-2182-773). Based on the review of the

analytical package and supporting documentation supplied by you for the above referenced project, the review indicates the material is suitable for acceptance and has been approved into our Capital Quarry beneficial use facility. We will accept all material that meets the PADEP Management of Fill Policy (258-2182-773).

Under the Management of Fill Policy, material must not contain any strong odors and not contain any free liquid. The material must not contain wood, metal or trash/garbage as will be addressed in our agreement. Any material received that does not meet the acceptance criteria and specifications will be rejected/reloaded and returned to the site of origin. All associated transportation fees and facility handling cost that may be accrued due to non-acceptance of material will be your responsibility.

Table 2. MSS Facility Material Physical Acceptance Criteria

Facility	Types of Acceptable Material	Photo-Ionization Detector Limit (PPM)	Material Size Limitation	Moisture Content Limitation	Treated & Untreated Wood Limitation	Slag/Ash/ Cinder Limitation	Types of Unacceptable Material
Coplay Quarry	Soil & Construction Fill Material Meeting the Facilities PA Clean Fill Criteria	NA	None	No Free-Standing Liquid	<3%	<3%	MSW, Deleterious Material, Industrial or Hazardous Waste
Capital Dev.	Soil & Construction Fill Material Meeting the Facilities PA Clean Fill Criteria	NA	None	No Free-Standing Liquid	<3%	<3%	MSW, Deleterious Material, Industrial or Hazardous Waste

Please be aware that all project documents and material information provided is subject to review by the PADEP. Final acceptance of any material at our facility is contingent upon PADEP's discretion.

Should you have any questions regarding the above approval, please call me at the above phone number.

Sincerely:

Ashley Austin
Environmental Professional

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Manifest # | Last Truck (check if yes) ☐ | Job # MSS18214

GENERATOR

Generator Name 3500 PARK APTS, HDFC, INC. 3500 PARK APTS, L.P.

Address 290 LENOX AVENUE, 3RD FL.

NEW YORK, NY 10027

Phone # ~~718-932-6~~ 212-663-3000

Contractor Name MEGA CONTRACTING GROUP

Address 48-02 25TH AVENUE, SUITE 400

ASTORIA, NY 11103

Phone # 718-932-6342

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not hazardous waste as defined by 40 CFT Part 261 or any applicable state law, has been properly described classified and packaged, and is in proper condition for transportation according to applicable regulations.

Soil Type Res _____ Non Res Other _____

Generator Authorized Agent Name _____ Signature _____ Shipment Date

SITE LOCATION

Job Name 3500 PARK AVENUE APARTMENTS Address 3500 PARK AVENUE, BRONX, NY 10456

TRANSPORTER

Transporter Name _____

Address _____

Phone _____

Truck Name _____

Truck No. _____

Driver Name (Print) _____

Vehicle License No./State _____

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date _____

I hereby certify that the above named material was delivered without incident to the destination.

Driver Signature _____ Shipment Date _____

DESTINATION

Capital Development
1 - Capital Blvd
East Bangor, PA 18103

Other _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

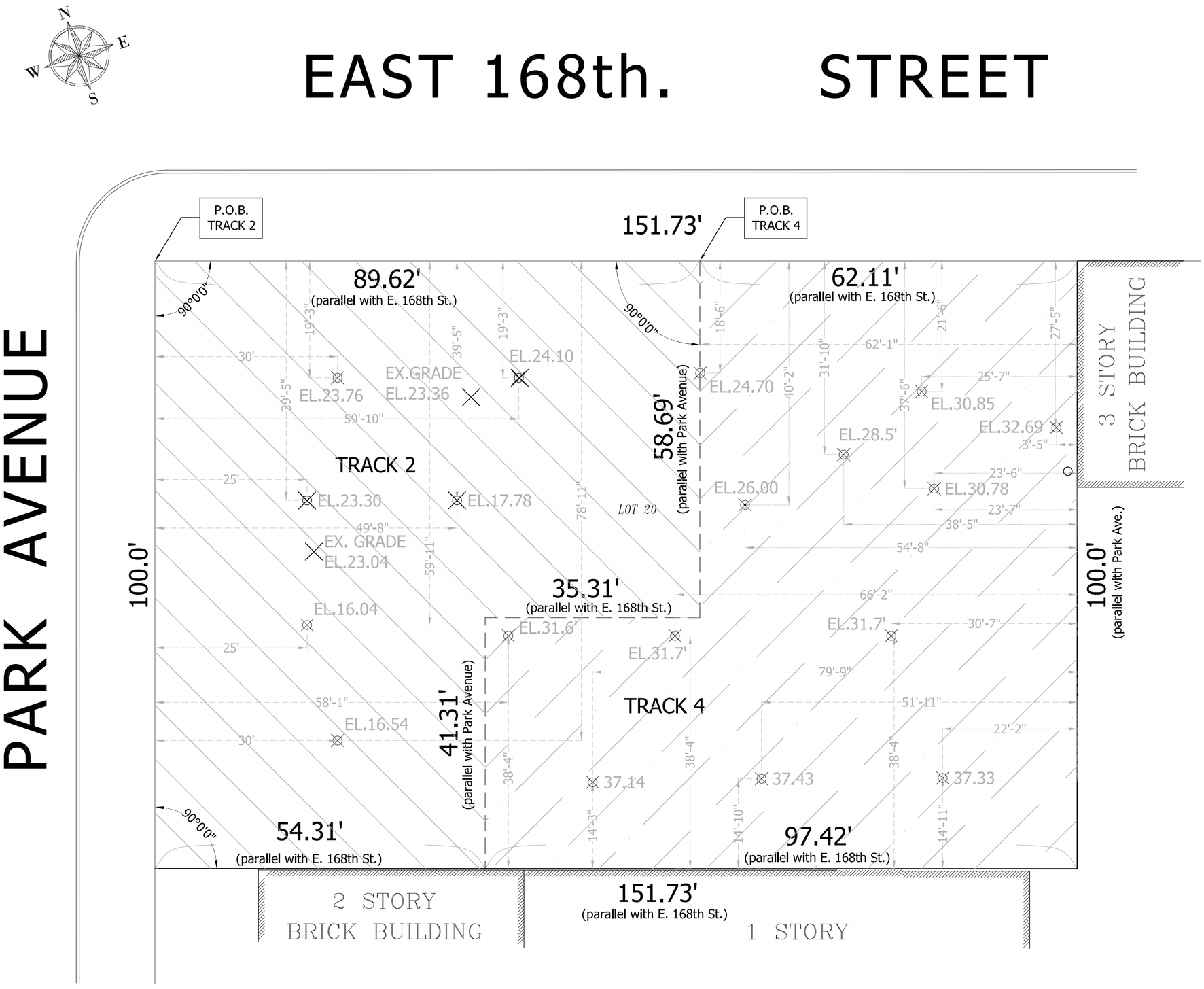
Signature _____ Receipt Date _____

APPENDIX J

SOIL AND WASTE DISPOSAL DOCUMENTATION (CD)

APPENDIX K

ENDPOINT SAMPLE SURVEY



DEED
LOT 20
BLOCK 2389

ALL THE CERTAIN PLOT, PIECE OF PARCEL OF LAND, SITUATE , LYING AND BEING IN THE BOROUGH AND COUNTY OF BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FALLOWS:

BEGINNING AT A CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF 168th. STREET AND THE EASTERLY SIDE OF VANDERBILT (FORMERLY RAILROAD) AND NOW PARK AVENUE;

RUNNING THENCE SOUTHERLY ALONG THE EASTERLY SIDE OF PARK AVENUE 100.00 FEET;

THENCE EASTERLY PARALLEL WITH 168th. STREET AND PART OF THE DISTANCE THROUGH A PARTY WALL 151.73 FEET;

THENCE NORTHERLY PARALLEL WITH PARK AVENUE 100.00 FEET TO THE SOUTHERLY SIDE OF 168th. STREET; AND

THENCE WESTERLY ALONG THE SAID SOUTHERLY SIDE OF 168th. STREET 151.73 FEET TO THE POINT OR PLACE OF BEGINNING.

METES AND BOUNDS
TRACK 2

ALL THE CERTAIN PLOT, PIECE OF PARCEL OF LAND, SITUATE , LYING AND BEING IN THE BOROUGH AND COUNTY OF BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FALLOWS:

BEGINNING AT A CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF 168th. STREET AND THE EASTERLY SIDE OF VANDERBILT (FORMERLY RAILROAD) AND NOW PARK AVENUE;

RUNNING THENCE SOUTHERLY ALONG THE EASTERLY SIDE OF PARK AVENUE 100.00 FEET;

THENCE EASTERLY PARALLEL WITH EAST 168th. STREET 54.31 FEET;

THENCE NORTHERLY PARALLEL WITH PARK AVENUE 41.31 FEET;

THENCE EASTERLY PARALLEL WITH EAST 168th. STREET 35.31 FEET;

THENCE NORTHERLY PARALLEL WITH PARK AVENUE 58.69 FEET; AND

THENCE WESTERLY ALONG THE SAID SOUTHERLY SIDE OF EAST 168th. STREET 89.62 FEET TO THE POINT OR PLACE OF BEGINNING.

METES AND BOUNDS
TRACK 4

ALL THE CERTAIN PLOT, PIECE OF PARCEL OF LAND, SITUATE , LYING AND BEING IN THE BOROUGH AND COUNTY OF BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FALLOWS:

BEGINNING AT A POINT ON THE SOUTHERLY SIDE OF EAST 168th. STREET, DISTANT 89.62 FEET EASTERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF EAST 168th STREET AND THE EASTERLY SIDE OF VANDERBILT (FORMERLY RAILROAD) AND NOW PARK AVENUE ;

THENCE SOUTHERLY PARALLEL WITH PARK AVENUE 58.69 FEET;

THENCE WESTERLY PARALLEL WITH EAST 168th. STREET 35.31 FEET;

THENCE SOUTHERLY PARALLEL WITH PARK AVENUE 41.31 FEET;

THENCE EASTERLY PARALLEL WITH EAST 168th. STREET 97.42 FEET;

RUNNING THENCE NORTHERLY PARALLEL WITH PARK AVENUE 100.00 FEET; AND

THENCE WESTERLY ALONG THE SAID SOUTHERLY SIDE OF EAST 168th. STREET 62.11 FEET TO THE POINT OR PLACE OF BEGINNING.

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.
The engineering and institutional controls for this Easement are set forth in the Site Management Plan(SMP). A copy of SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

DATE	DESCRIPTION
DEC. 3, 2019	END SAMPLE LOCATIONS

BLOCK 2389
LOT 20
SECTION 9
COUNTY BRONX
DWG BY A.G.
CHKD BY J.A.
SCALE 1"= 12'

NOTE:
Unauthorized alterations or additions to this survey is a violation of section 7209 of the New York State education law. Copies of this survey map not bearing the land surveyor's inked seal or embossed seal shall not be considered to be a valid true copy. Guarantees or certifications indicated hereon shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Guarantees or certification are not transferable to additional institutions or subsequent owners.

CAUTION:
1) Before performing any digging or drilling on this site, it is required that subsurface services, including the underground mains be marked and identified by the utility involved in compliance with industrial code 53 of New York State.

MAP OF PROPERTY LOCATED
3500 PARK AVENUE
BRONX, N.Y.

STATE OF NEW YORK
VINCENT TENTONICO
LICENSED LAND SURVEYOR
050307

MERIDIAN LAYOUT INC
3280 SUNRISE HWY, SUITE 341
WANTAGH, NY 11793
TEL. 516-787-3299

APPENDIX L

ENDPOINT SAMPLING DATA AND DUSRS (CD)

APPENDIX M

IMPORTED MATERIALS DOCUMENTATION