

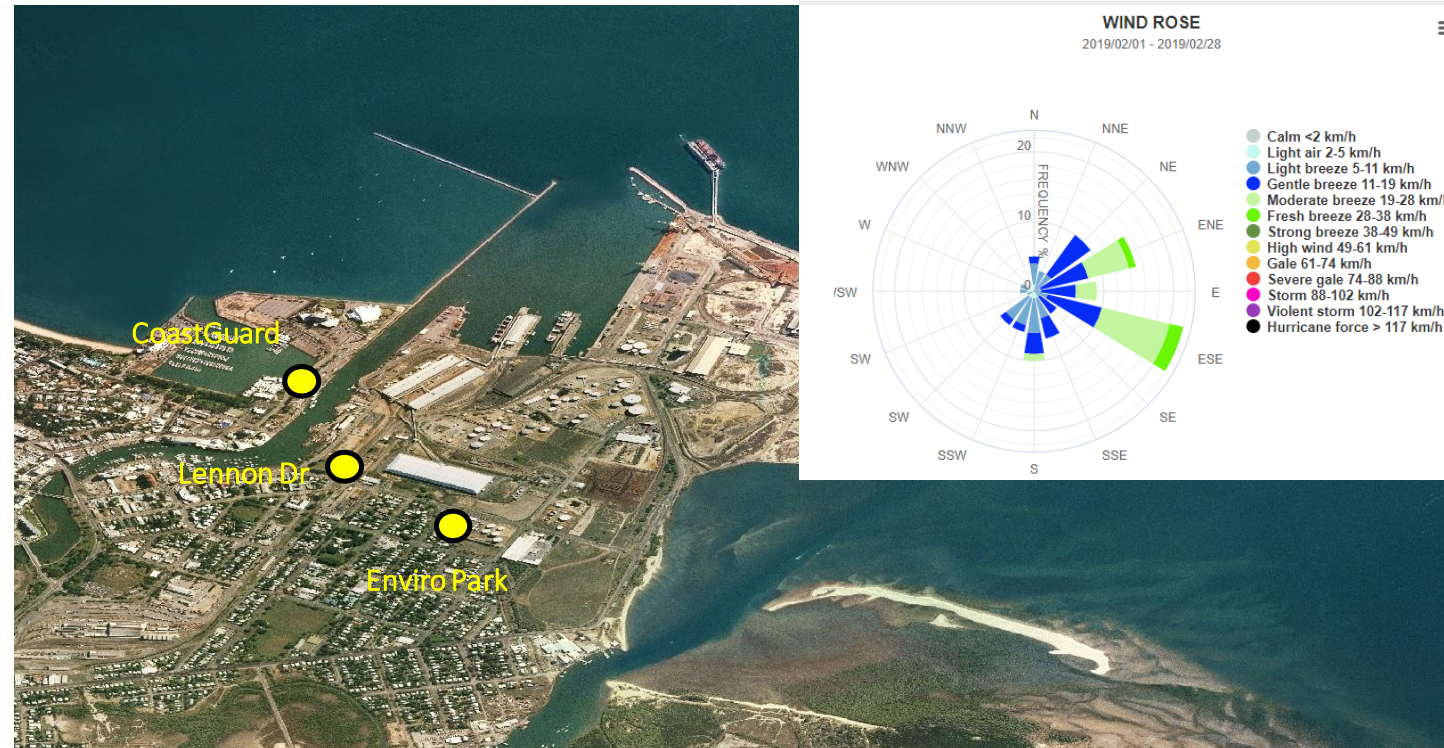
AIR QUALITY MONITORING IN TOWNSVILLE

Air Quality Monitoring in Townsville is conducted separately by both the Department of Environment and Science (DES), and Port of Townsville Limited.

Click here to visit the Port of Townsville's monitoring network

Click here to visit DES monitoring network

Air Quality Monitoring Locations



Information



Dust Monitoring Equipment – an explanation

What cargo is handled at the Townsville Port?

Subscribe, ask questions, provide feedback

Queensland Health statement on lead and safe levels in air around humans

What does this Dashboard show me?

Data



Live Air Quality Monitoring data

Air Quality Bulletin

Live Shipping Schedule

Rainfall Data - BOM

Air Quality Monitoring Plan

Shipping Movements in February 2019

Date In/Out	Vessel Name	Berths	Cargo	Date In/Out	Vessel Name	Berths	Cargo
5-6	GOLDEN UNITY	1	Fuels	13-14	BELUGA ACE	10	Motor Vehicles
5-6	SOFRANA TOURVILLE	3	Containers	14-15	KOTA NIPAH	3	Containers
5-11	STAR LIFE	4	Coke	15-16	ADRIATIC HIGHWAY	10	Motor Vehicles
6-9	KYOWA ORCHID	3	Containers	15-16	GLOUCESTER EXPRESS	4	Fodder, Cattle
6-8	STOLT SAKURA	1	Sulphuric Acid	15-17	CORONADO BAY	3	Containers
6-13	IKAN LANDUK	3	Copper Concentrates	17-18	AAL FREMANTLE	8	Lead Concentrates
7-8	THERESA MICRONESIA	9	Molasses	19-20	HMAS CHOULES	anchor	ADF
7-10	CORKSCREW	8	Lead Concentrates	19-20	OCEAN UTE	4	Fodder, Cattle
9-12	BROOK TROUT	1	Fuels	22-23	GANADO EXPRESS	4	Fodder, Cattle
9-11	CLIPPER PANORAMA	11	Concentrates	23-23	ALBATROS 2	10	Cruise
10-11	INCA QUEEN	9	Sugar	23-26	EDWARD OLDENDORFF	4	Containers
10-17	DAIWAN LEADER	3	Lead Ingots	23-26	GOLDEN CREATION	1	Fuels
12-13	HIGH FIDELITY	1	Fuels	25-25	GALLOWAY EXPRESS	10	Fodder, Cattle
12-12	GRAND CHAMPION	10	Motor Vehicles	26-28	STAR CANOPUS	9	Sugar
12-15	FOOCHOW	8	Fertilizer	26-28	KYOWA ROSE	3	Tyres, copper refined
12-13	GRAVITY HIGHWAY	10	Motor Vehicles	27-28	GALVESTON HIGHWAY	10	Motor Vehicles
13-14	FLORA DELMAS	3	Containers	27-28	CORKSCREW	3	Lead Concentrates

Port of Townsville - Overview

First established in 1864, the Port of Townsville is operates eight berths handled more than \$8 billion in trade during the 2016/2017 financial year; servicing more than 136 ports around the globe. Townsville is the number one port in Australia for copper, zinc, lead and sugar exports and services 70% of the Northern Australia population. More than 20 shipping lines operate out of the Townsville Port offering more than 40 different services.

Townsville is also a strategic Navy port and facilitates cruise ship visits.

Commodities/cargo that passes over the Townsville Port's berths include:

Imports

Motor vehicles, shipping containers (general cargo), cement, sulphuric acid, fertiliser, copper, nickel, zinc, copper anode, petroleum products, sulphur, containers, tyres.

Exports

Sugar, timber, fertiliser, shipping containers (general cargo) cattle, refrigerated meat, magnetite, copper, lead, zinc, zinc ferrites, zinc oxide, silver, molasses, sand, gravel, coke, project cargo.



Subscribe to Dashboard Updates

Visit our website and subscribe here <https://www.townsville-port.com.au/environment-community/community/newsletter-sign-up/>

OR

Visit the [Port of Townsville Facebook page](#) and click on “Sign up” at the top of the page.

OR

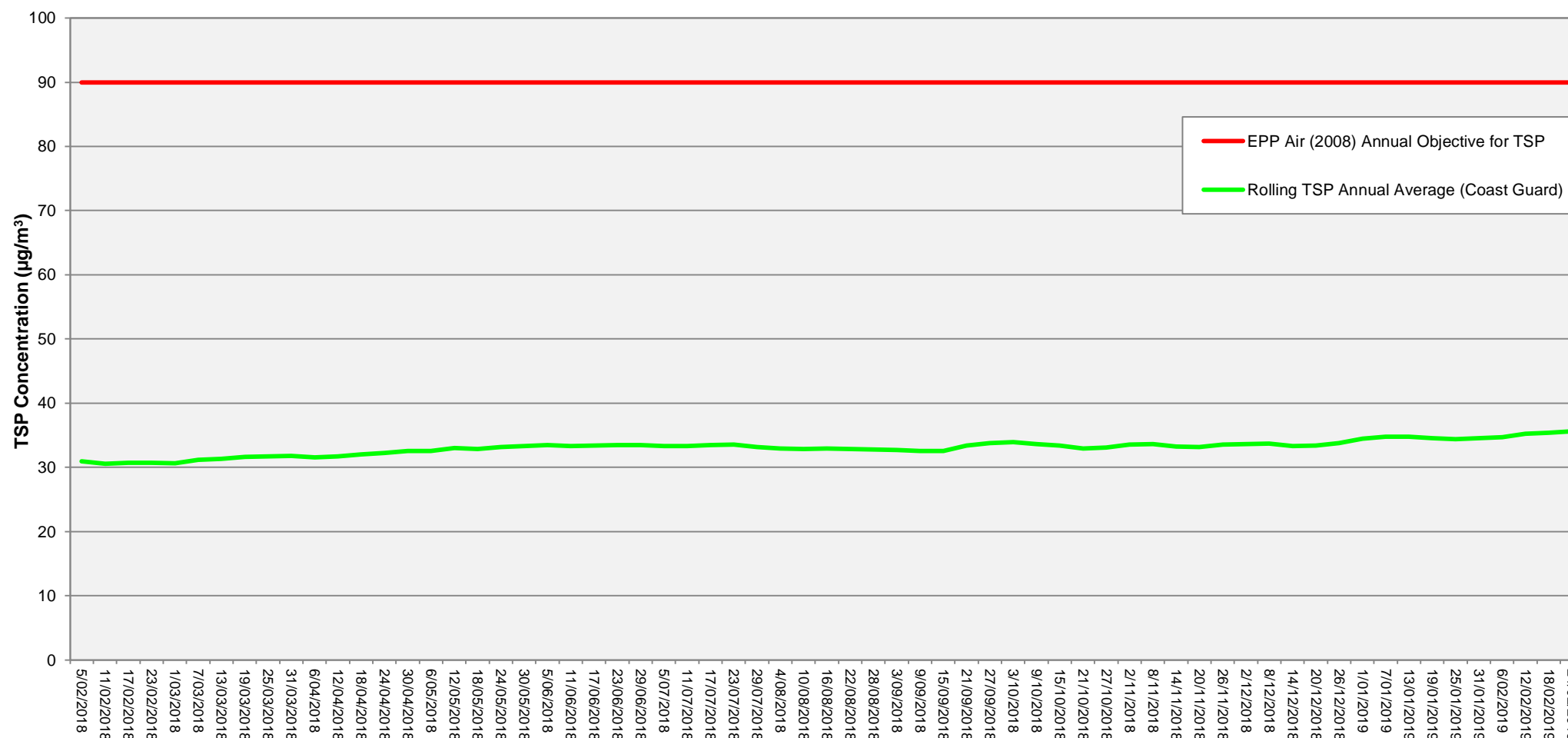
Phone 07 47 811 500 and asked to be added to the list.

Ask a Question / Provide Feedback

Send your enquiry or feedback to community@townsvilleport.com.au

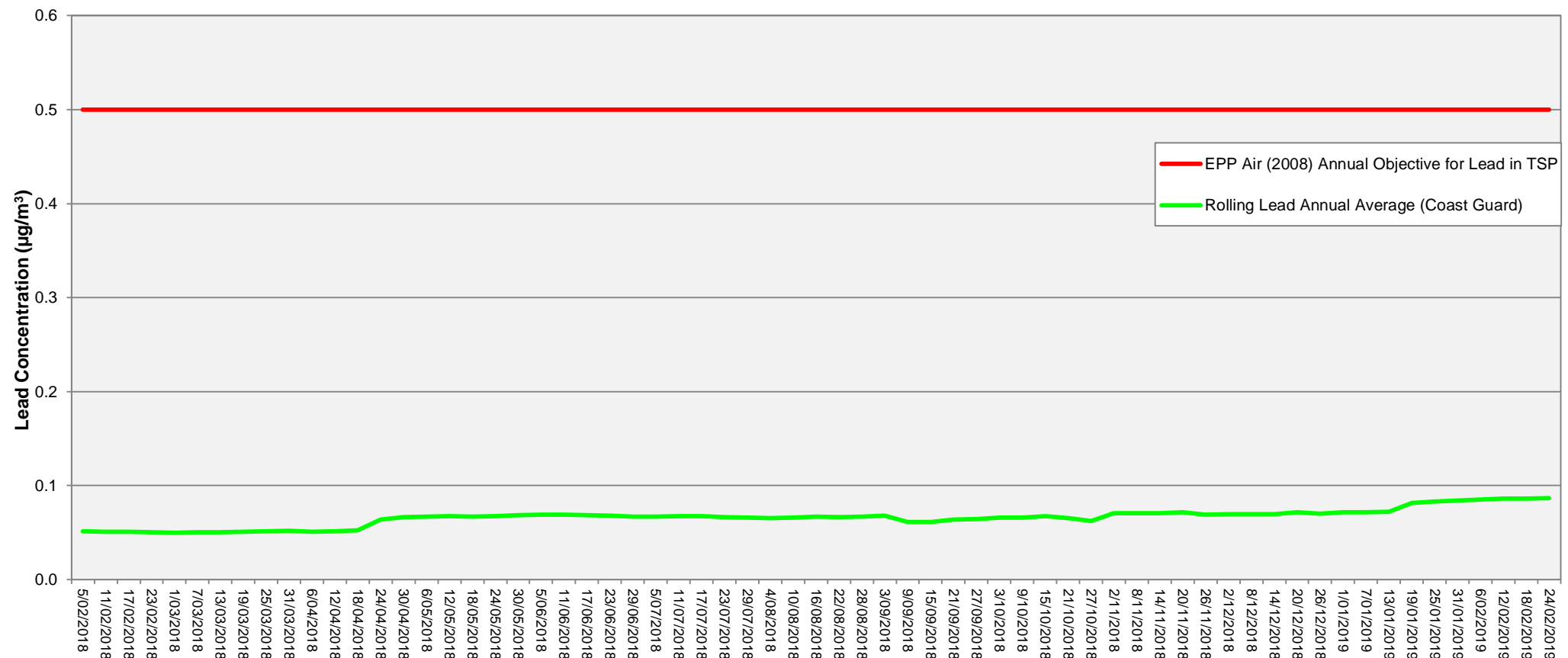


Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site FEBRUARY 2018 – FEBRUARY 2019



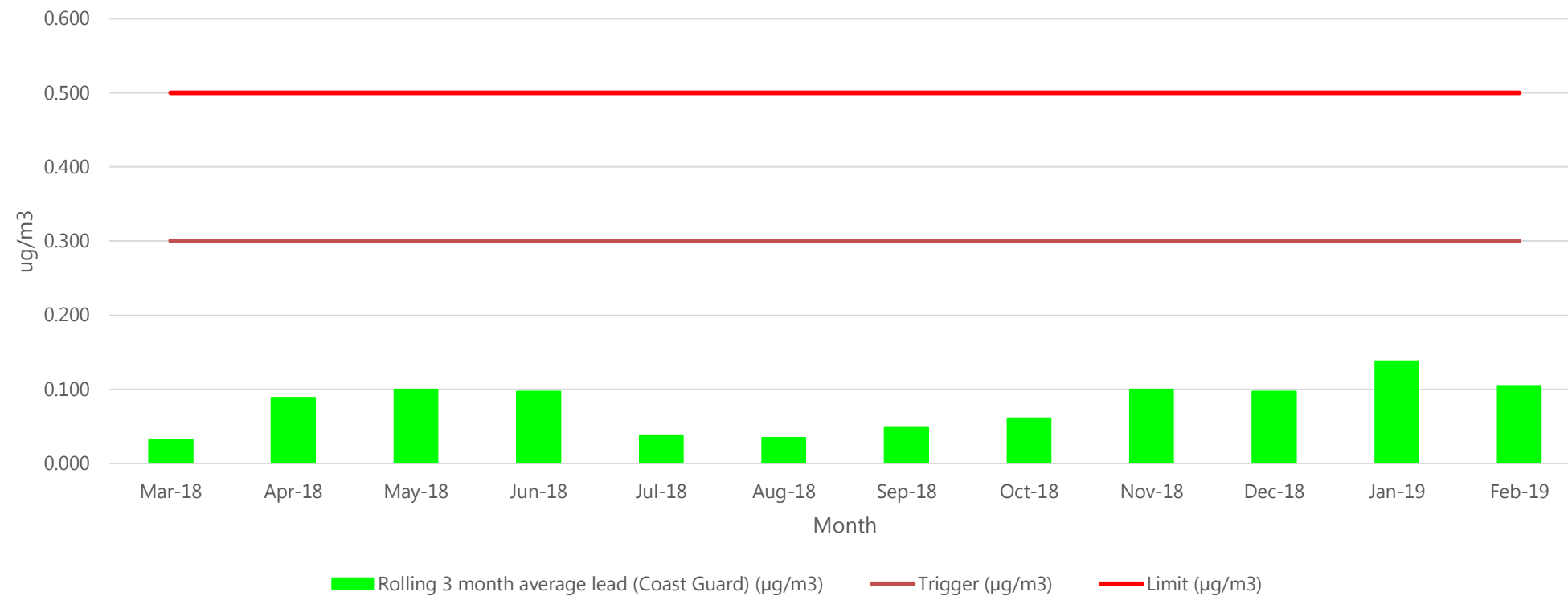
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
 Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site FEBRUARY 2018 – FEBRUARY 2019



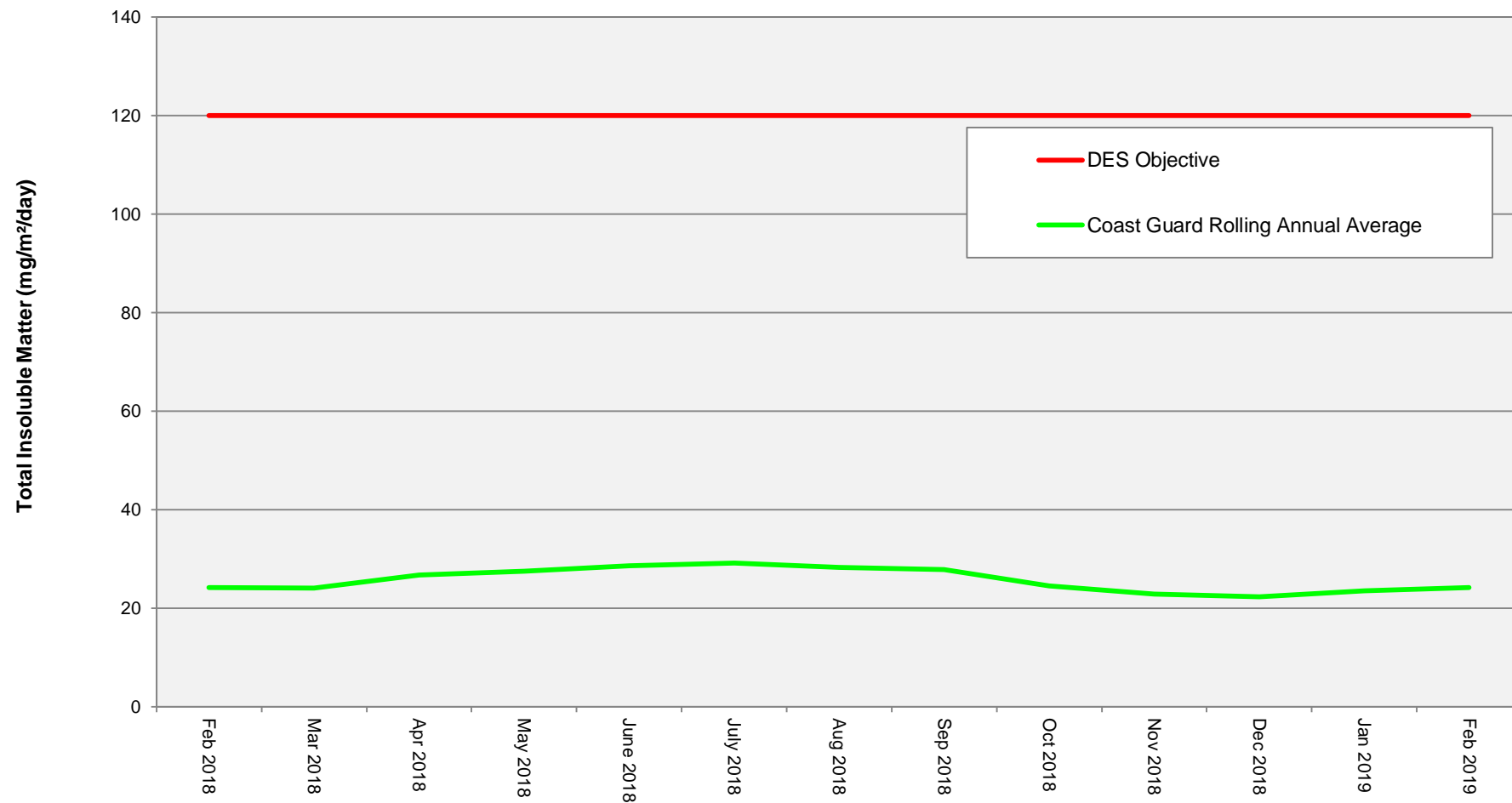
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Hi-Volume Sampler - Lead in dust levels (one in six days) at Coast Guard Site MARCH 2018 – FEBRUARY 2019



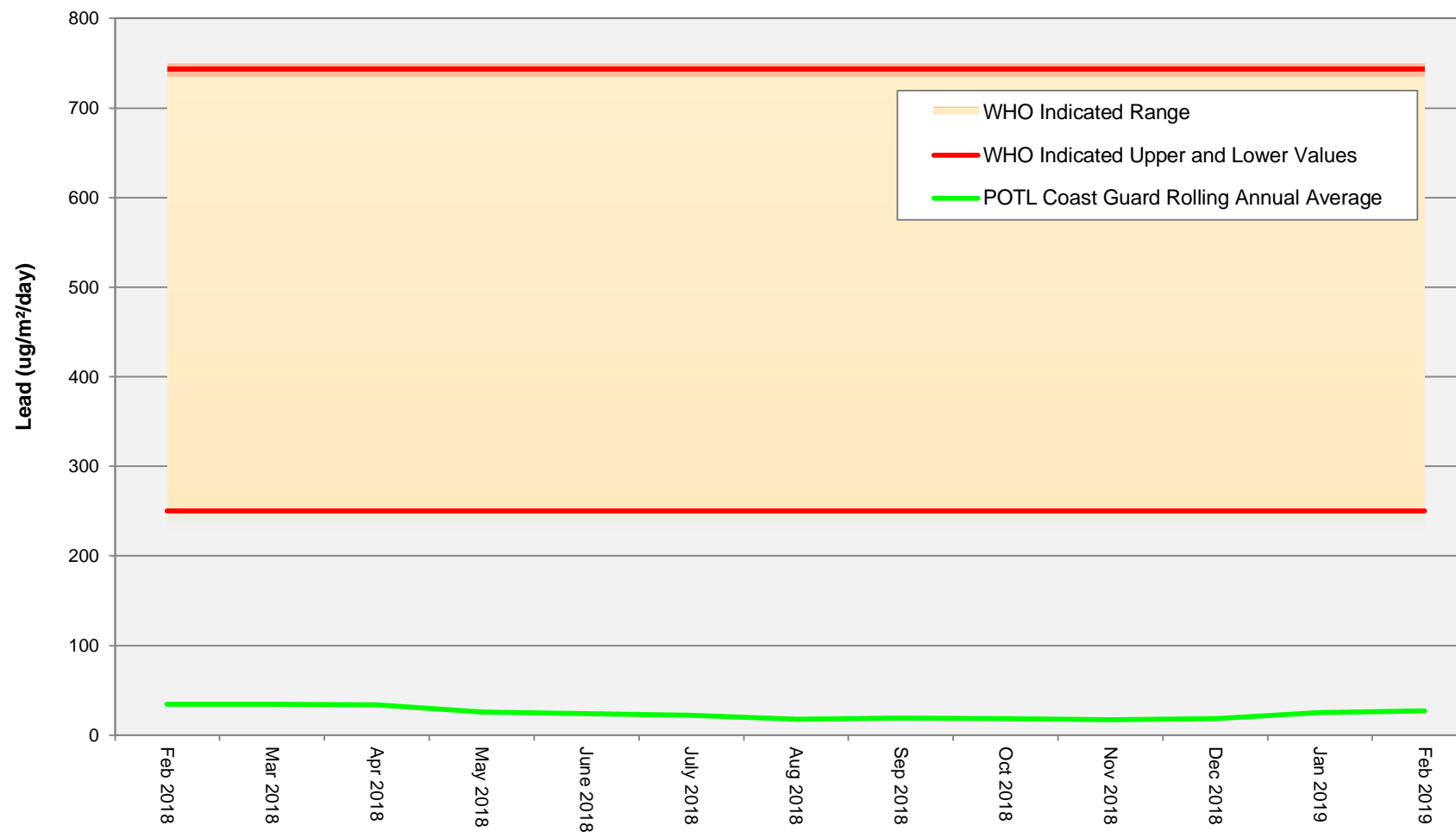
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site FEBRUARY 2018 – FEBRUARY 2019



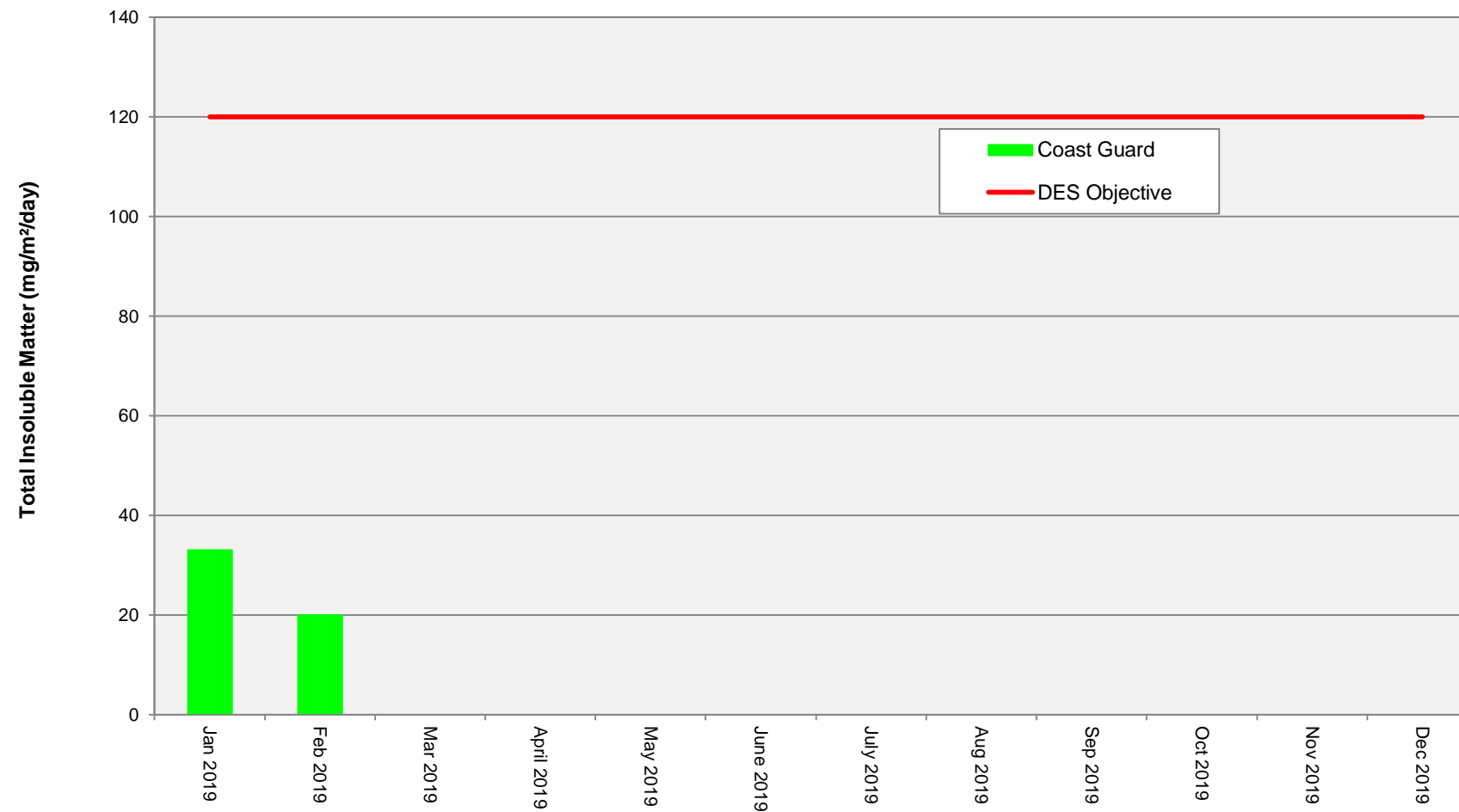
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
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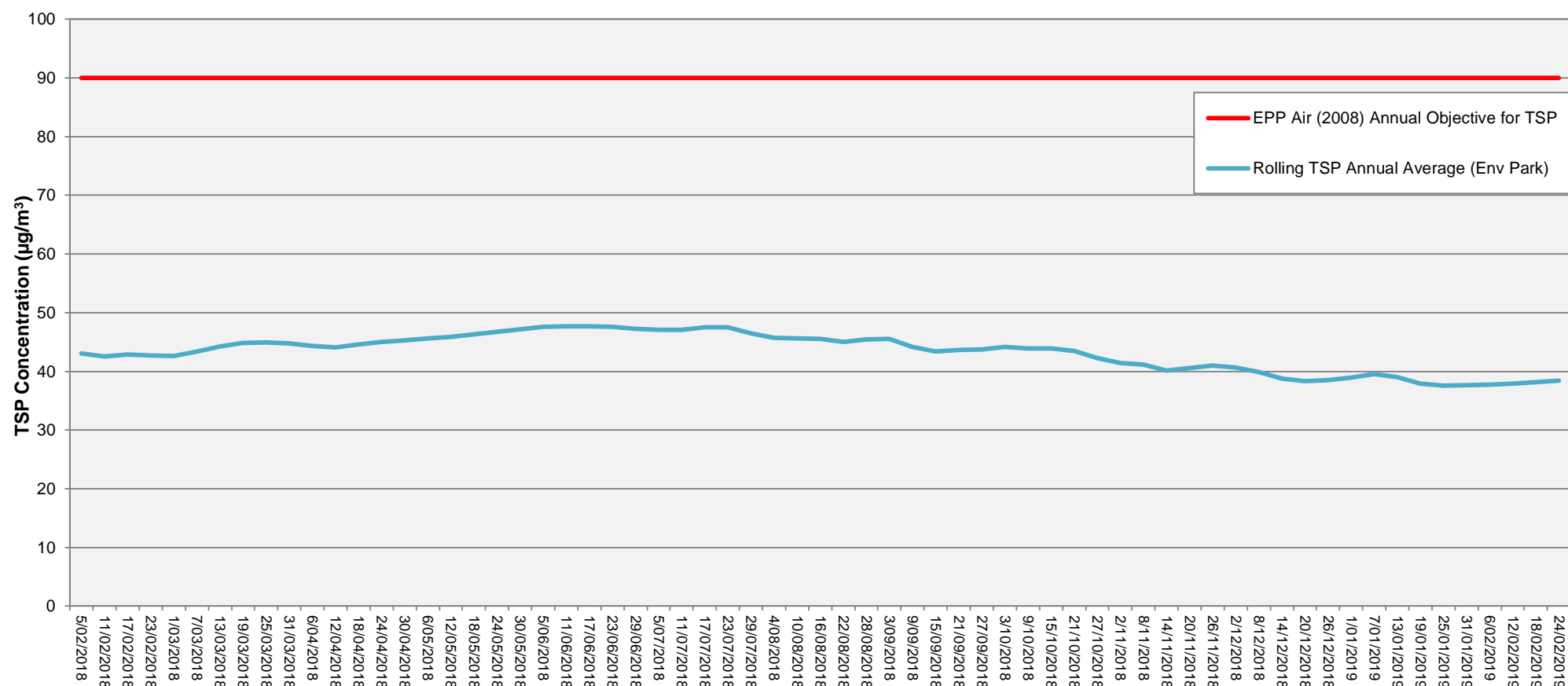
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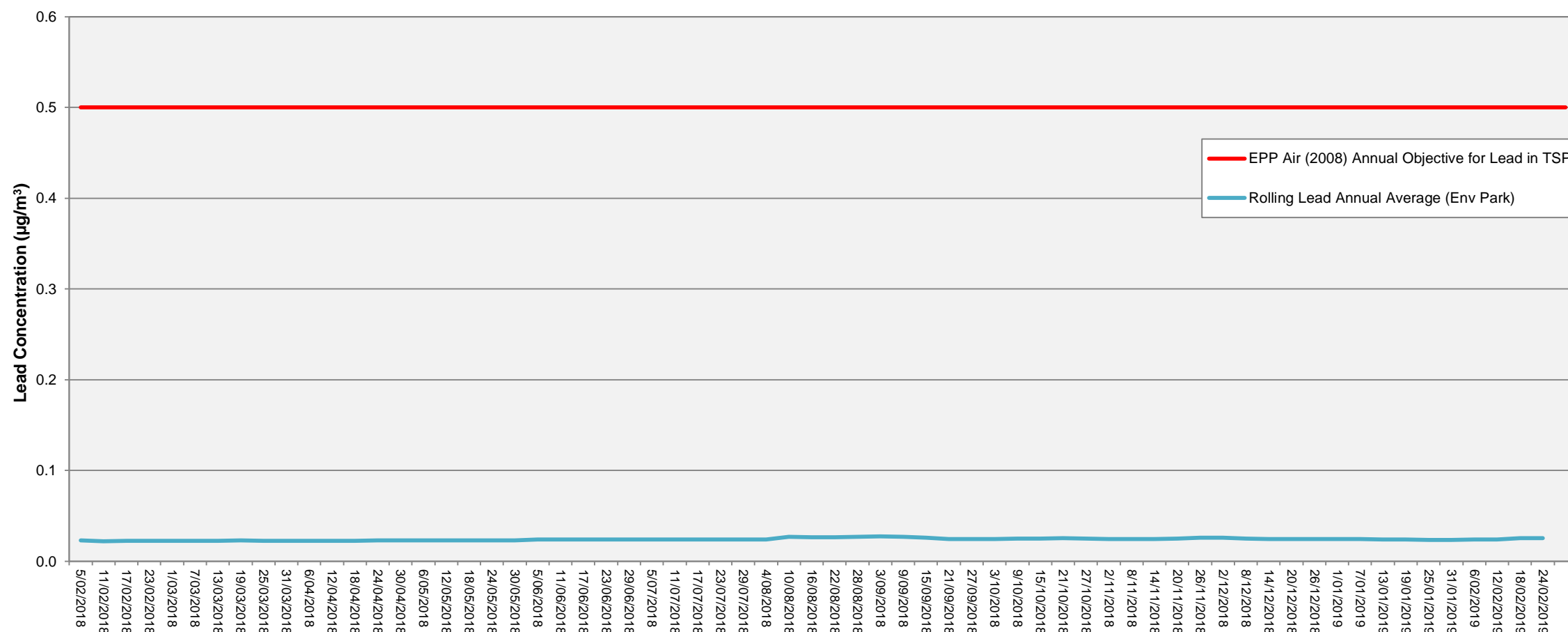
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Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site FEBRUARY 2018 – FEBRUARY 2019



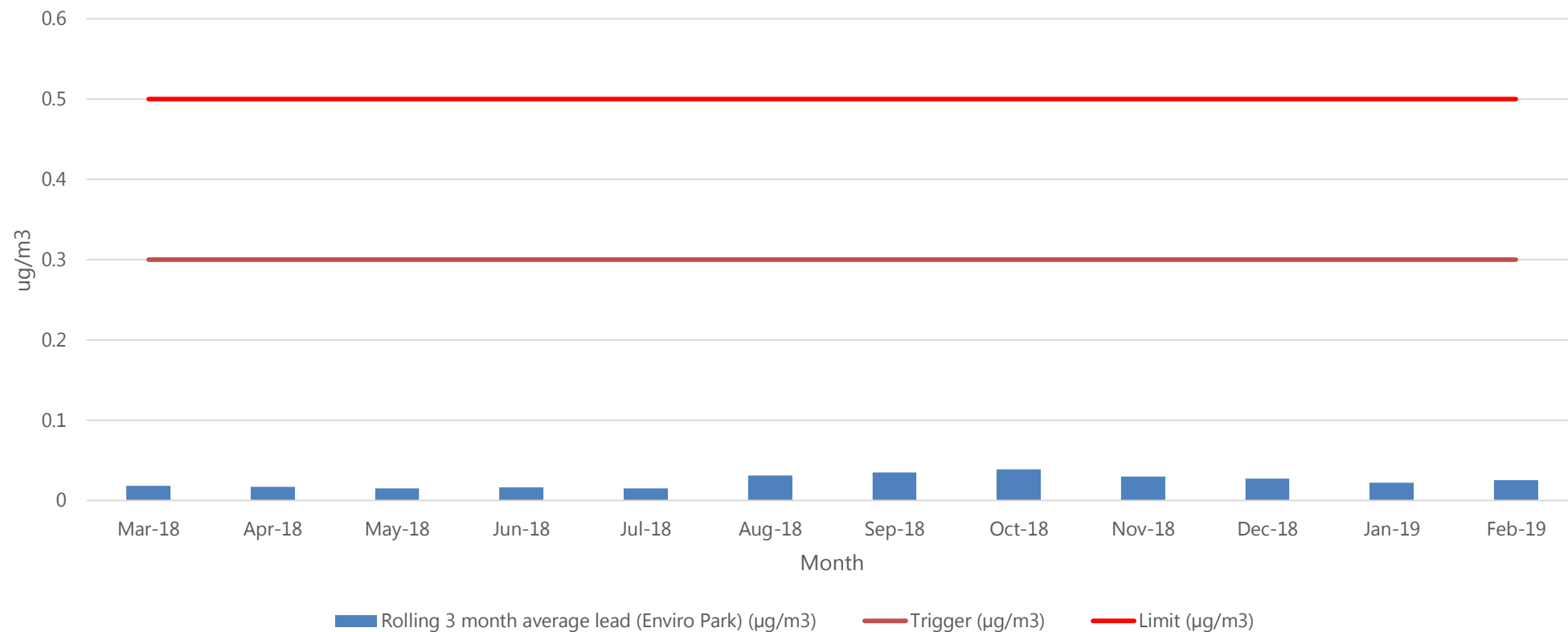
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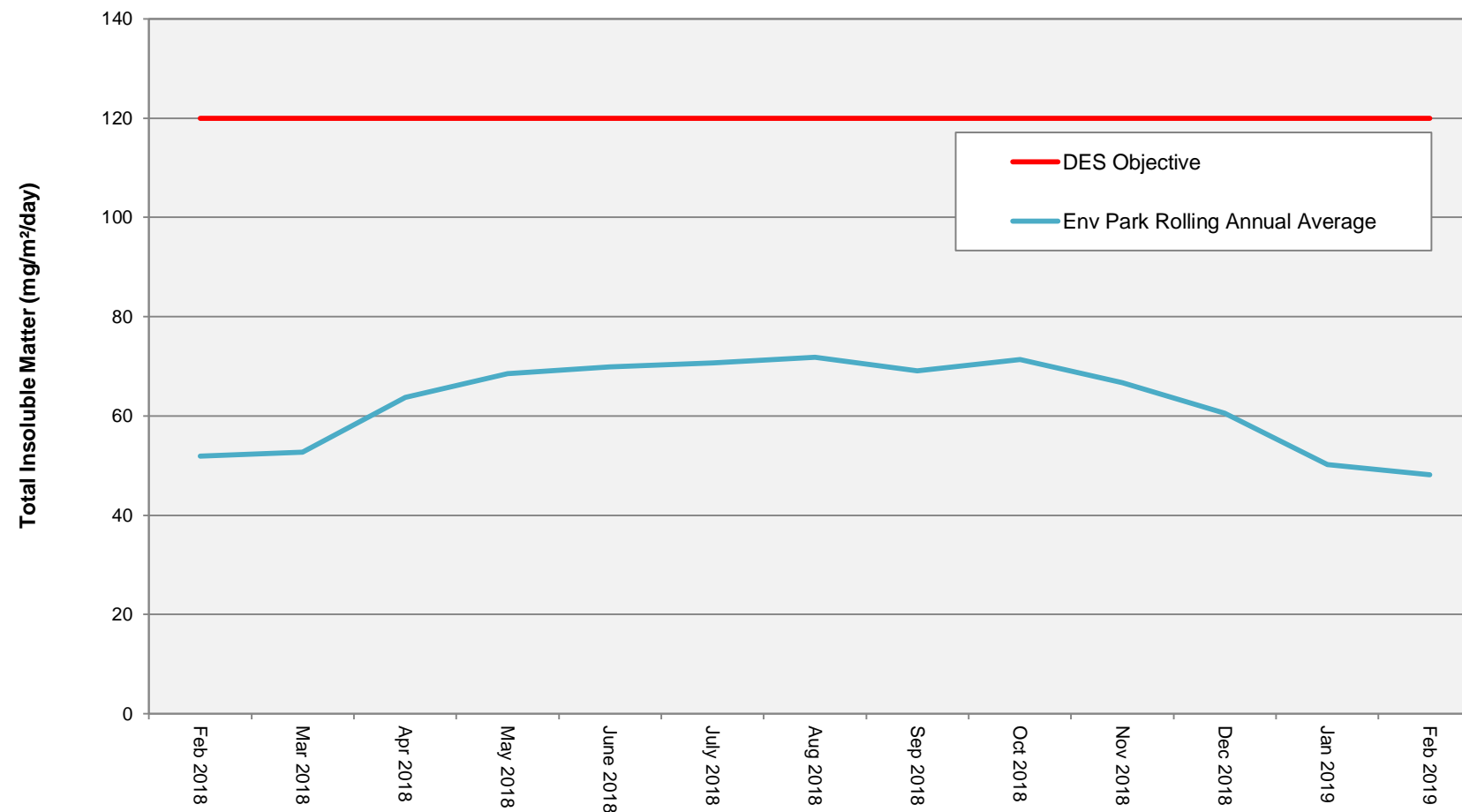
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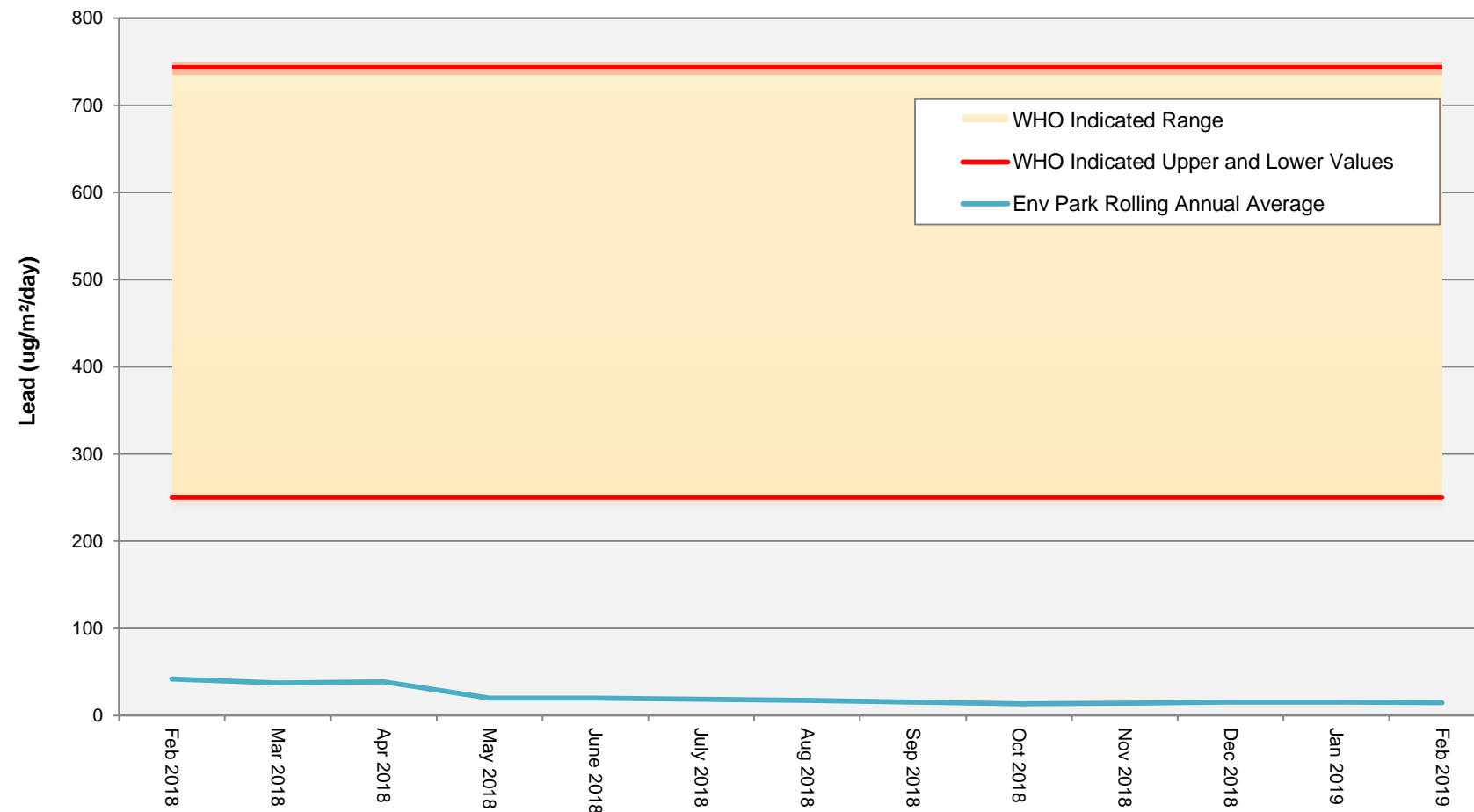
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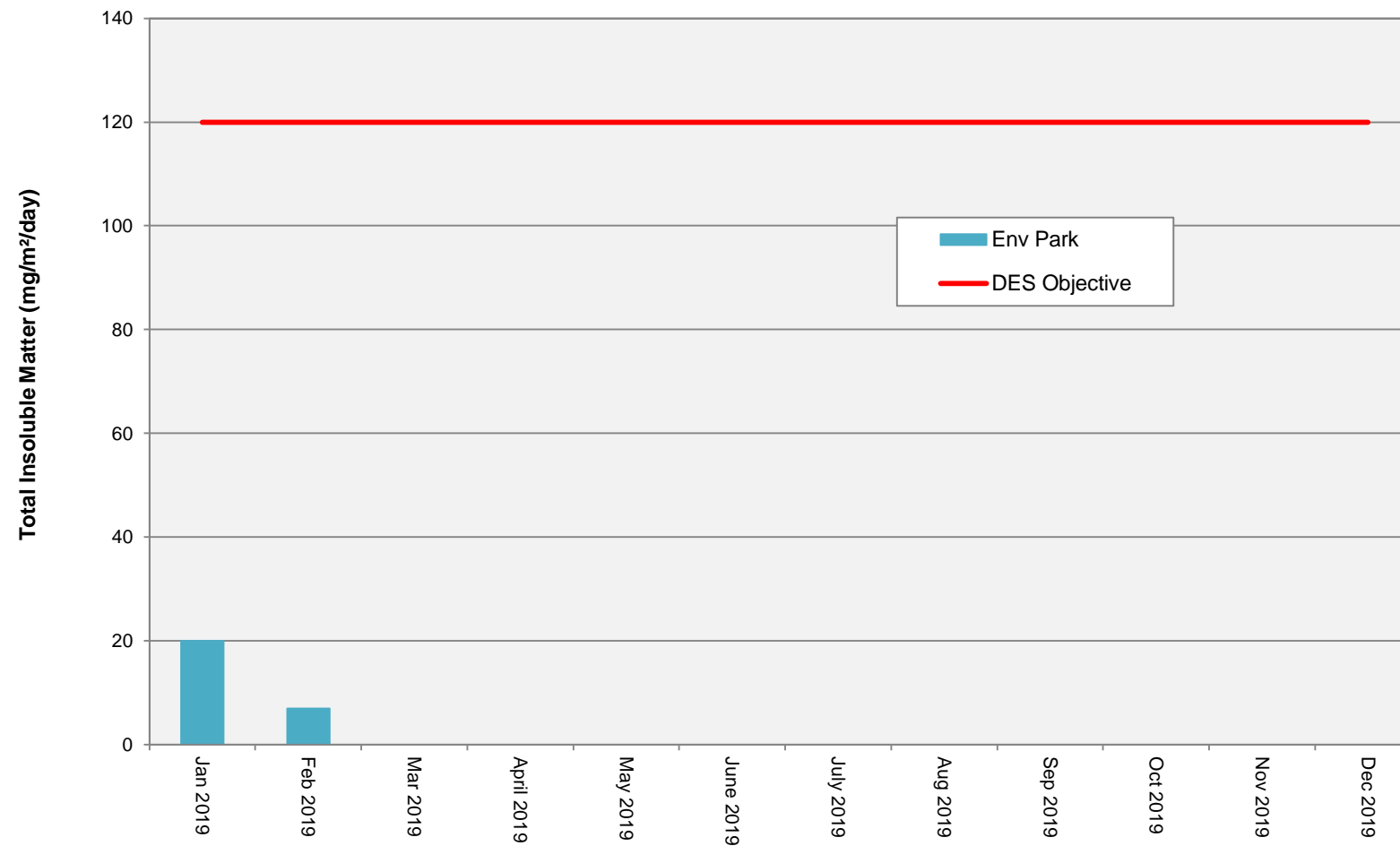
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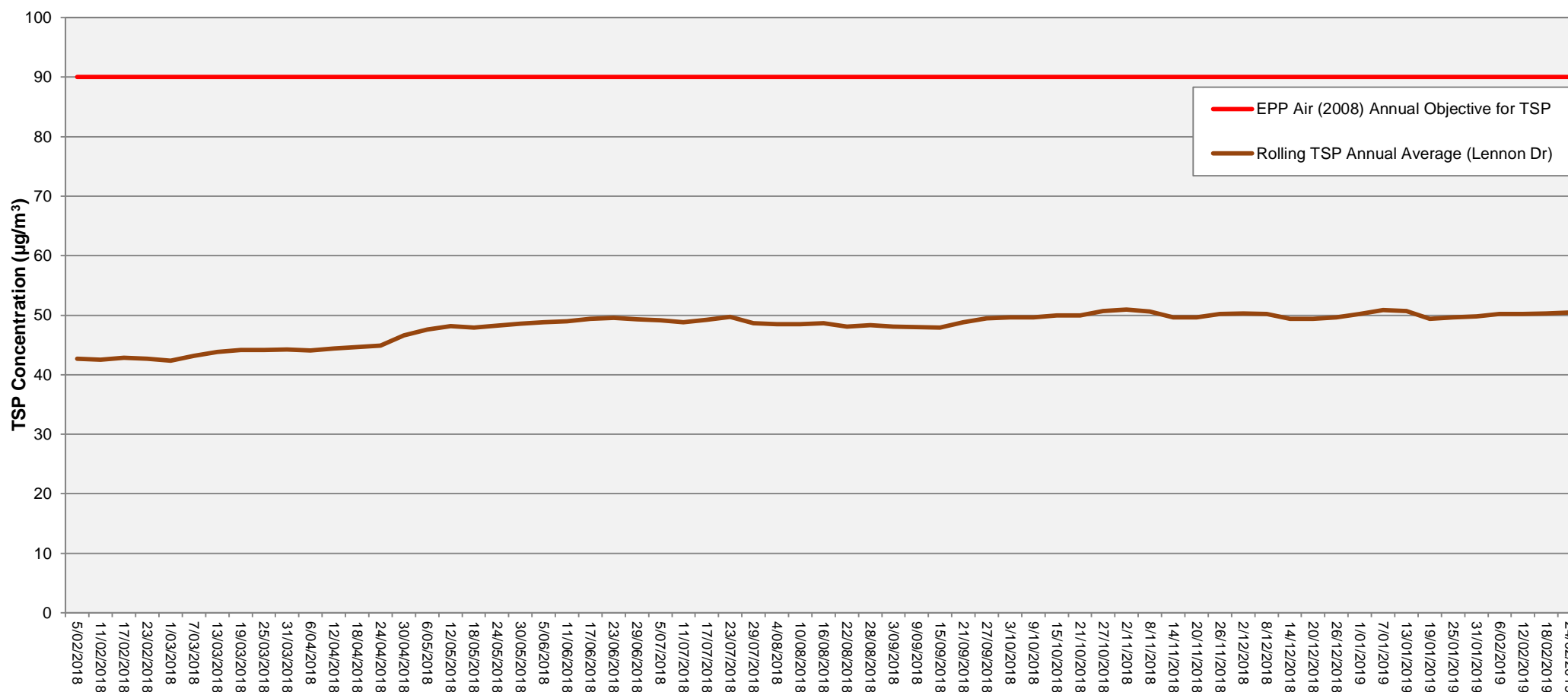
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Dust Deposition Gauge – General dust deposition levels (monthly) at Environment Park Site 2019



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Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site FEBRUARY 2018– FEBRUARY 2019

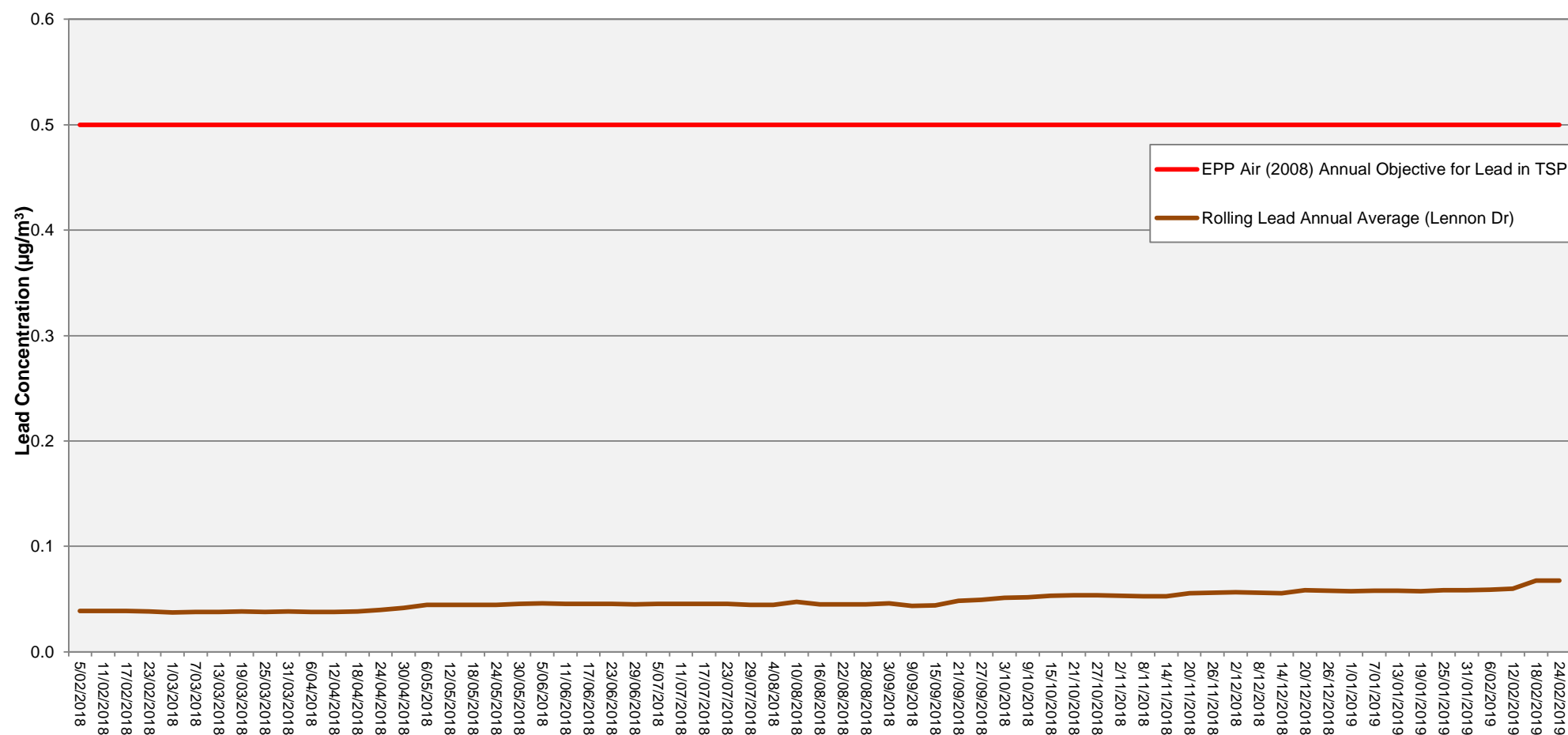


Note:

TSP Concentration units = micrograms per cubic metre per 24 hour period

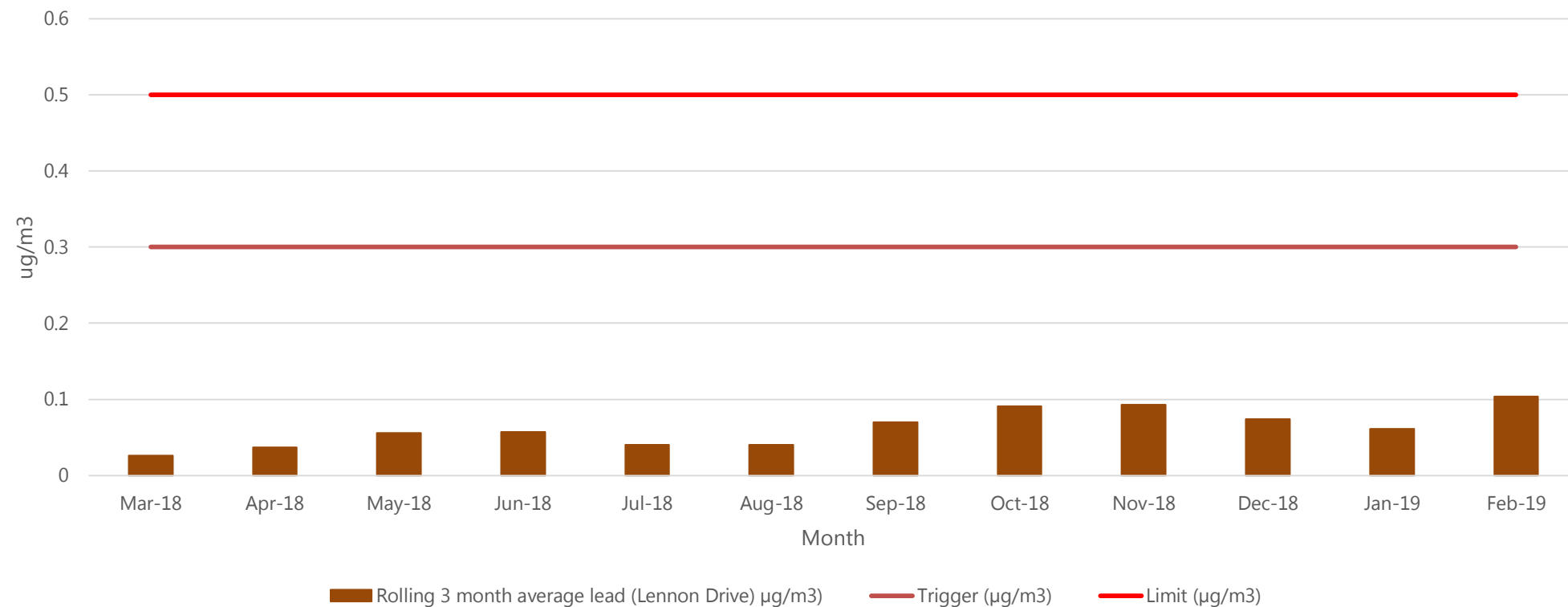
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Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site FEBRUARY 2018– FEBRUARY 2019



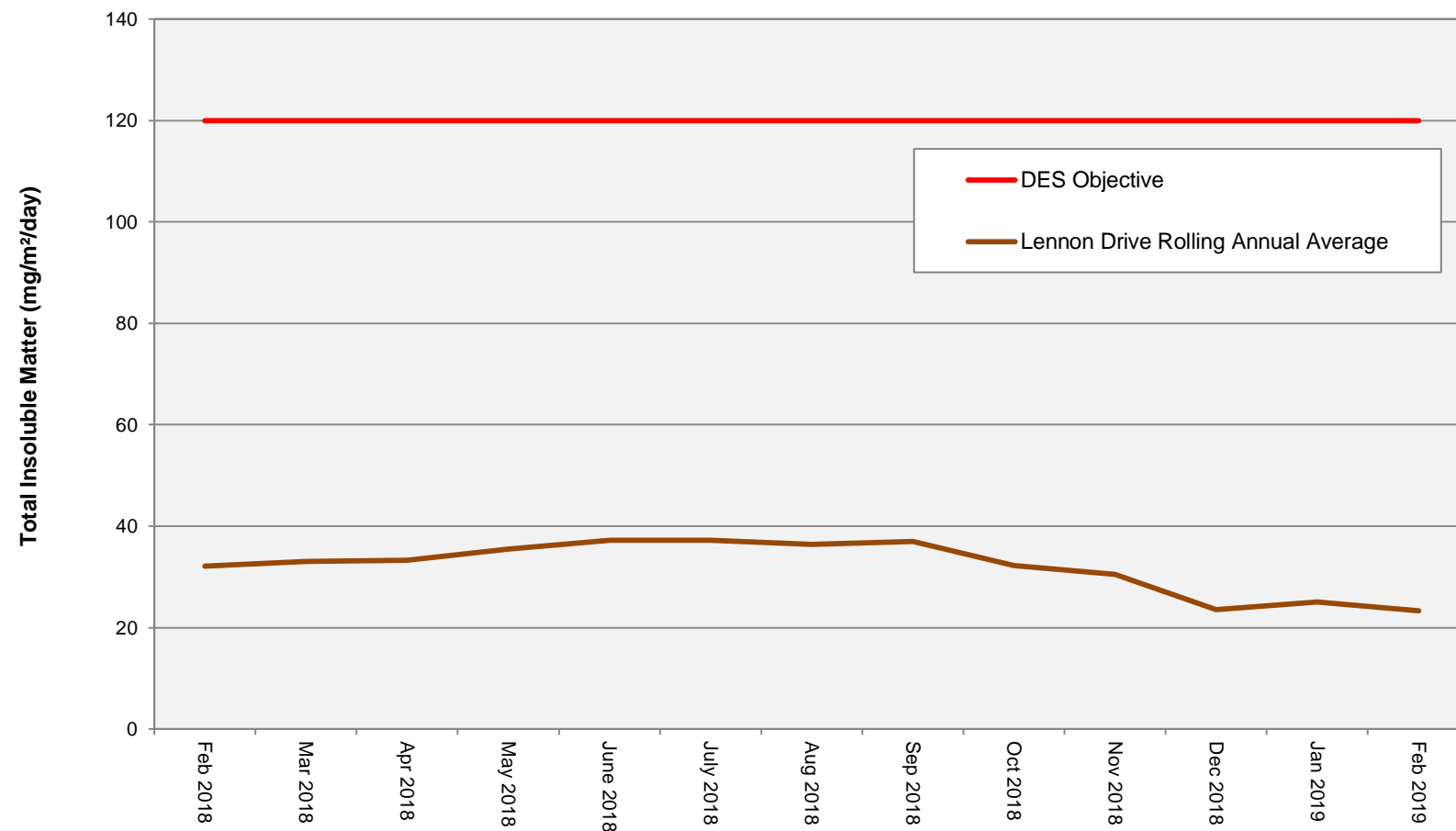
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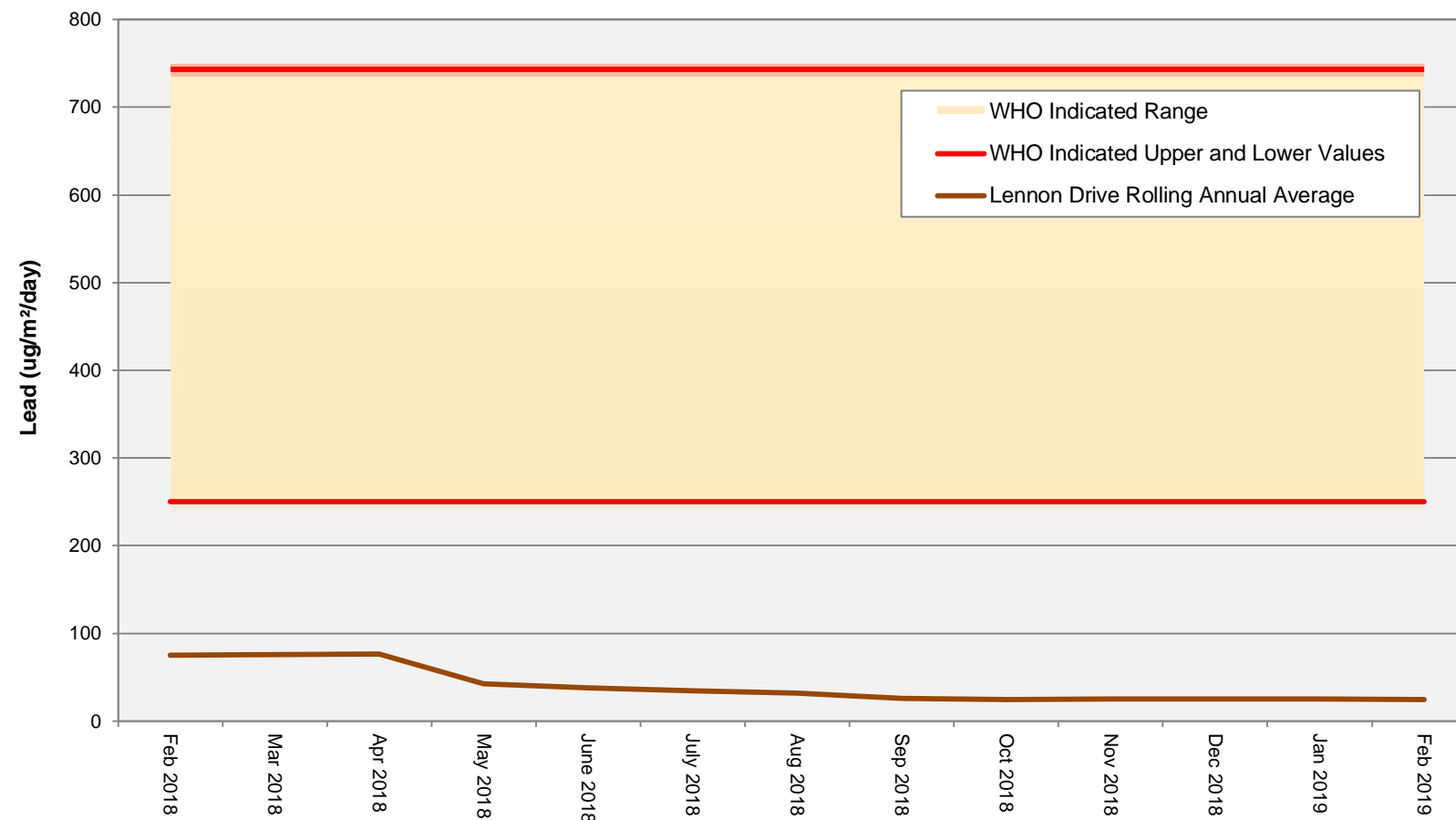
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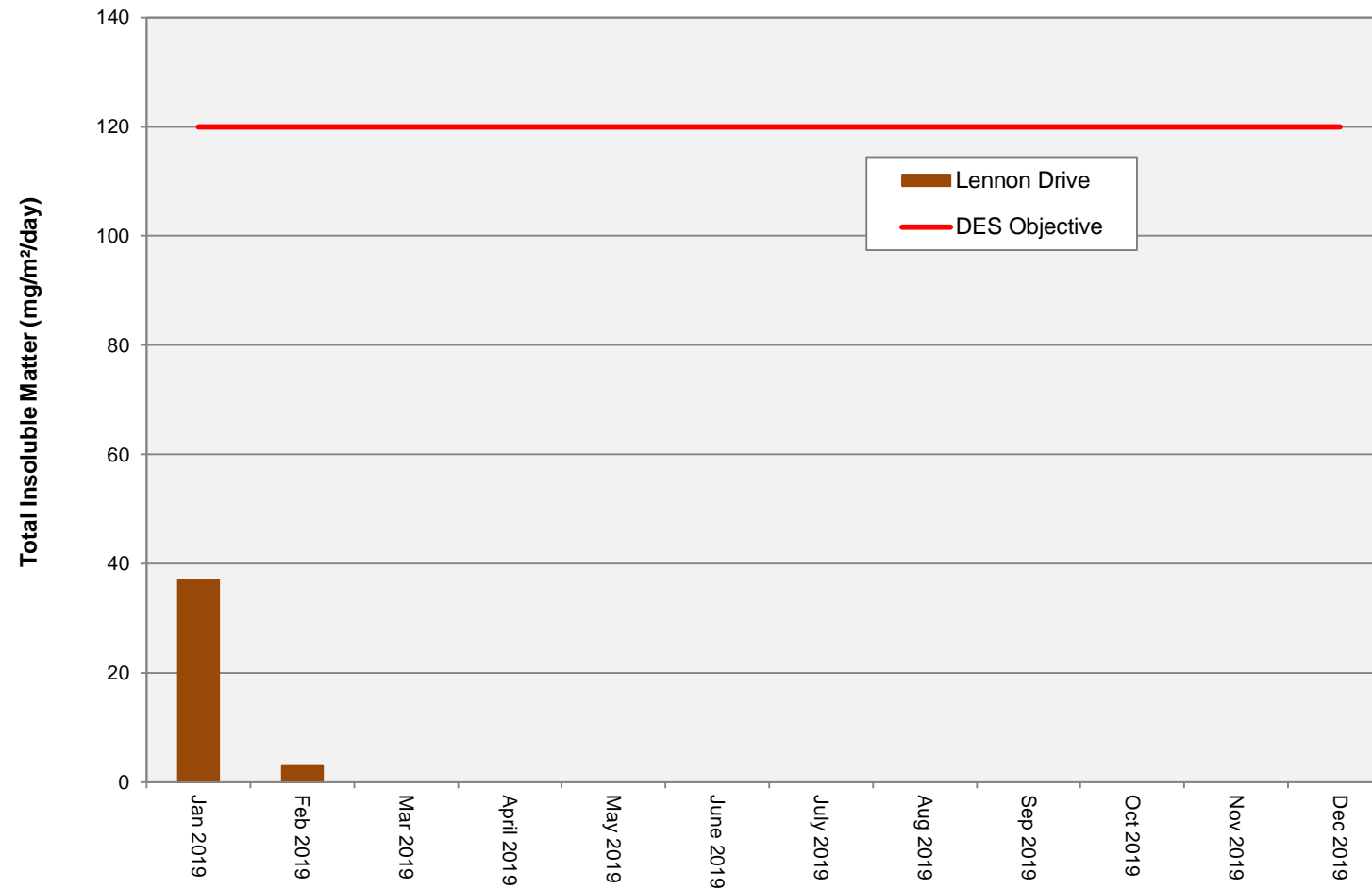
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This statement/advice was provided by Queensland Health in relation to blood lead levels in Townsville in April 2016

Environmental limits for lead are set using a number of possible criteria including potential health effects.

Blood lead level within the Australian population have been decreasing over time as the use of lead – particularly in petrol and paint - has been phased out. The most recent NHMRC guidance document suggests that a blood lead level of less than 5 µg/dL is what should be expected in the general population.

Elevated blood lead levels are notified to Queensland Health for investigation. Previously this level was 10 µg/dL but since the beginning of 2016 has been reduced to 5 µg/dL. This is not an indication of a safe blood level, but is a trigger level that requires investigation into what in the individual's environment is contributing to the level.

Based on studies recognised by the World Health Organisation into the relationship between lengthy exposure to ambient air lead levels and increases in blood lead levels, the current 12 month rolling average for measurements (as at March 2016) at the Townsville Coast Guard Site could be expected to add between 0.36 µg/dL and 0.6 µg/dL to a person's total blood lead level. This increment is only about 10% of the level that would require further investigation. Along with other normal exposure, this would not be expected to exceed that level, is well within the expected community range, and below the level that would trigger further investigation.

The highest rolling annual average in recent years (recorded in May 2014 at the Townsville Coast Guard Site) yields a predicted result of between 1.14 µg/dL and 1.9 µg/dL, still well under the level which should trigger concern.