

Preliminary Air Monitoring and Sampling Summary

Los Palos Warehouse Fire

Los Angeles, California

Prepared by: Onterris Response and Recovery, LLC

Air Monitoring Period: August 21, 2026

1.0 Introduction

Onterris Response and Recovery, LLC. (Onterris) personnel were contacted to provide air monitoring and environmental support regarding a cold-storage warehouse fire located at 1400 S. Los Palos Street in Los Angeles, California (herein referred to as the “Site”). Onterris personnel began real-time air monitoring on behalf of Lineage Logistics on June 23, 2026, at approximately 0006 Pacific Daylight Time (PDT). This report summarizes preliminary results of real-time air monitoring conducted by Onterris personnel from 0000 through 23:59 PDT on August 21, 2026. All data provided in this summary are considered preliminary; these data have not undergone full quality assurance and quality control (QA/QC) review and are subject to change.

2.0 Air Monitoring and Sampling Methods

Prior to arrival onsite, Onterris personnel developed a Preliminary Air Sampling and Analysis Plan (SAP) to document and quantify analytes of concern potentially associated with the Site. Onterris personnel have updated the SAP based on site conditions and operational phases in coordination with the United States Environmental Protection Agency (US EPA) and South Coast Air Quality Management District (AQMD). The SAP (v1.2) is provided in **Appendix A** and includes air monitoring plans for Community/Fenceline Monitoring and Site Assessment. This preliminary summary includes Community and Fenceline Monitoring data with all testing locations listed in **Appendix B**.

Beginning July 11, 2026, Onterris field personnel discontinued air monitoring strategies employed during the Recovery Operational period and immediately transitioned to the Remediation Operational Period. The Onterris air monitoring and sampling approach during the Remediation Operational Period involved localizing air monitoring resources closer to the Site fenceline and nearby residential and commercial receptors, with all analytes measured at a height consistent with the typical human breathing zone. This approach incorporated two air monitoring and sampling strategies: 1) roaming (and/or mobile) real-time air monitoring using direct-reading instruments at the fenceline and nearby residential locations upwind, downwind, and crosswind from the Site, and 2) stationary air monitoring and sampling using a combination of real-time and analytical sampling methodologies at five discrete locations along, or directly across the street from, the fenceline (DU01-05), and at two schools, as listed in **Table 1**. All analytes, air sampling methodologies, and locations for stationary monitoring and sampling were selected in coordination with South Coast AQMD.

Table 1: Stationary Air Monitoring and Sampling Locations

Operational Period	Location Code	Location Description
Remediation	DU01	Northwest Corner Facility Fenceline
	DU02	North Side of Warehouse
	DU03	Northeast Corner Facility Fenceline
	DU04	East Side of Facility Fenceline
	DU05	Southeast Side of Facility Fenceline
	AS03	Maywood Elementary School
	AS07	Eastman Elementary School

2.1 Real-Time Air Monitoring Methods

Real-time air monitoring was conducted by Onterris in the community surrounding the Site and at the fenceline in coordination with US EPA and South Coast AQMD. Two air monitoring strategies were utilized and are described below. All instrumentation was calibrated daily or in accordance with manufacturer's recommendations.

Roaming Community/Fenceline Air Monitoring

Onterris personnel conducted roaming real-time community and fenceline monitoring for volatile organic compounds (VOCs), ammonia (NH₃), hydrogen sulfide (H₂S), chlorine (Cl₂), carbon monoxide (CO), atmospheric flammability measured as a percentage of the lower explosive limit (%LEL), oxygen (O₂), mercaptans, and formaldehyde. Monitoring was conducted using handheld instruments including Honeywell MultiRAEs with chemical-specific sensors and photoionization detectors (PIDs) and Gastec piston pumps with colorimetric detector tubes.

Onterris personnel also used a mobile AreaRAE instrument to continuously assess air at proposed community monitoring locations adjacent to the Site. The AreaRAE was equipped with sensors capable of measuring VOCs, %LEL, NH₃, H₂S, and O₂ concentrations in real-time at approximately 30-second intervals while recording GPS coordinates for each data point. VOC, %LEL, H₂S, and NH₃ detections at individual sensor limits of detection identified during mobile monitoring prompt field personnel to safely stop the vehicle and further assess conditions at the location.

Stationary Air Monitoring

During the Remediation Operational Period, stationary real-time telemetering air monitoring was conducted using DustTraks to assess particulates (PM_{2.5} and PM₁₀) at DU01-05 and AS07, while AreaRAEs were used to assess VOCs, %LEL, NH₃, CO, and O₂ along the Site fenceline at DU01-05. Additionally, datalogging SPM Flex devices were deployed and utilized at DU02, DU03, and AS07 for H₂S monitoring at concentrations as low as 0.001 ppb. All data were collected over 24-hour periods, from 0:00 PDT to 23:59 PDT, with respective real-time readings at each location yielding a daily average. For chemical concentrations yielding no detection, the sensor detection limit was used to derive conservative averages per analytes and respective locations.

2.2 Analytical Air Sampling Methods

To complement real-time air monitoring data collected at stationary air monitoring locations, analytical sampling was conducted for VOCs, sulfur compounds, and metal particulates over 24-hour periods in the community at DU02, DU03, AS03, and AS07 (**Table 1** and **Appendix C**). Analytical air sampling refers to the collection of discrete quantities of air using containers or chemical-specific media that are sent to an off-site laboratory for chemical analysis under chain of custody. All laboratories used for analytical air sampling are accredited through the National Environmental Laboratory Accreditation Conference (NELAC), California Environmental Laboratory Accreditation Program (CA ELAP), and/or American Industrial Hygiene Association (AIHA). Condition of analytical sampling containers collected by Onterris field personnel may dictate if samples are suitable for accessioning and processing by respective laboratories. Because of this, deployed analytical samples that are tampered with by non-field personnel or stolen, will be unavailable for laboratory processing. Laboratory results are reported as they become available.

VOCs and Sulfur

Following transition from the Recovery Operational Period to the Remediation Operational Period, Onterris personnel deployed air samples at DU02, DU03, AS03, and AS07 (**Appendix C**). Integrated air sampling was conducted using 1.4-L evacuated canisters to enable off-site laboratory analysis of VOCs via US EPA Method TO-15 and sulfur compounds via SCAQMD 307-91 or equivalent. Analytical air samples were collected for a duration of approximately 24 hours and were deployed at a height representative of the human breathing zone.

Metal Particulate Sampling

Air sampling for metals was conducted at DU02, DU03, AS03, and AS07 (**Appendix C**) using SKC sampling pumps calibrated to a flow rate of 3 liters per minute (L/min), and sampling pumps were set up to draw air through 0.8-µm mixed cellulose ester membrane filter cassettes. Samples were collected over a 24-hour period (approximately 1,440 minutes) at a height representative of the human breathing zone and sent to an off-site laboratory under chain of custody for analysis of target metals via NIOSH Method 7303. Sample volume recommendations by the laboratory were followed for achieving appropriate lower detection limits for respective metal analysis.

3.0 Air Monitoring and Sampling Results

Results of real-time air monitoring are summarized in **Tables 2** through **5**. Maps of the incident site and real-time air monitoring locations are provided in **Appendix B**.

The map of stationary air monitoring and analytical air sampling locations is provided in **Appendix C**. Meteorological data during the August 21, 2026, reporting period were acquired from the Hawthorne Municipal Airport and are provided in **Appendix D**.

Table 2: Community Handheld Air Monitoring Results
Collected August 21, 2026

Analyte	Instrument	Number of Readings	Number of Detections	Range of Detections*
Chlorine	Gastec #8La	7	0	< 0.05 ppm
CO	Gastec #1LC	23	0	< 0.5 ppm
Formaldehyde	Gastec #91LL	5	0	< 0.03 ppm
H ₂ S	MultiRAE	27	0	< 0.1 ppm
% LEL	MultiRAE	27	0	< 1. %
Mercaptans	Gastec #70L	25	0	< 0.05 ppm
NH ₃	Gastec #3L	18	0	< 0.2 ppm
NH ₃	MultiRAE	5	0	< 1. ppm
O ₂	MultiRAE	9	9	20.9-21.3 %
VOCs	MultiRAE	27	0	< 0.1 ppm

Abbreviations: ppm = parts per million

Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QA/QC) process and should be considered preliminary at this time.

*Analytes with no detections are reported as less than (“<”) the instrument’s Limit of Detection (LOD)

Table 3: Fenceline Handheld Air Monitoring Results
Collected August 21, 2026

Analyte	Instrument	Number of Readings	Number of Detections	Range of Detections*
Chlorine	Gastec #8La	25	0	< 0.05 ppm
CO	Gastec #1LC	7	0	< 0.5 ppm
CO	MultiRAE	23	0	< 1. ppm
Formaldehyde	Gastec #91LL	17	0	< 0.03 ppm
H ₂ S	MultiRAE	39	0	< 0.1 ppm
% LEL	MultiRAE	66	0	< 1. %
Mercaptans	Gastec #70L	30	0	< 0.05 ppm
NH ₃	Gastec #3L	6	0	< 0.2 ppm
NH ₃	MultiRAE	60	0	< 1. ppm
O ₂	MultiRAE	65	65	20.6-21.3 %
VOCs	MultiRAE	65	0	< 0.1 ppm

Abbreviations: ppm = parts per million

Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QA/QC) process and should be considered preliminary at this time.

*Analytes with no detections are reported as less than (“<”) the instrument’s Limit of Detection (LOD)

Table 4: Mobile AreaRAE Air Monitoring Results
Collected August 21, 2026

Date	Analyte	Number of Readings	Number of Detections	Range of Detections*
August 21, 2026	% LEL	5,557	0	< 1 %
	H ₂ S	5,557	0	< 0.1 ppm
	NH ₃	5,557	0	< 1 ppm
	O ₂	5,557	5,557	20.9 - 21.3 %
	VOCs	5,557	0	< 0.1 ppm

Abbreviations: ppm = parts per million

Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QA/QC) process and should be considered preliminary at this time.

*Analytes with no detections are reported as less than (“<”) the instrument’s Limit of Detection (LOD)

Table 5: Fixed Station Air Monitoring Results
Collected August 21, 2026

Location Code	Instrument	Analyte	Number of Readings	Number of Detections	Average Concentration	Range of Detections*
DU01	AreaRAE	% LEL	5,540	0	ND	< 1 %
		CO	5,540	0	ND	< 1 ppm
		NH ₃	5,540	0	ND	< 1 ppm
		O ₂	5,540	5,540	20.9	20.9 %
		VOCs	5,538	2	0.1	0.1 - 0.4 ppm
	DustTrak	PM ₁₀	8,594	8,594	0.02	0.008 - 0.906 mg/m ³
		PM _{2.5}	8,594	8,594	0.013	0.006 - 0.199 mg/m ³
DU02	AreaRAE	% LEL	5,549	0	ND	< 1 %
		CO	5,548	12	1	2 - 10 ppm
		NH ₃	5,549	0	ND	< 1 ppm
		O ₂	5,549	5,549	20.9	20.5 - 20.9 %
		VOCs	5,549	0	ND	< 0.1 ppm
	DustTrak	PM ₁₀	8,335	8,335	0.043	0.005 - 0.537 mg/m ³
		PM _{2.5}	8,335	8,335	0.028	0.004 - 0.196 mg/m ³
	SPM Flex	H ₂ S	8,270	4,502	0.001	0.001 - 0.011 ppm
DU03	AreaRAE	% LEL	5,548	0	ND	< 1 %
		CO	5,548	4	1	2 - 4 ppm
		NH ₃	5,548	0	ND	< 1 ppm
		O ₂	5,548	5,548	20.9	20.9 %
		VOCs	5,548	0	ND	< 0.1 ppm
	DustTrak	PM ₁₀	8,462	8,462	0.02	0.004 - 1.350 mg/m ³
		PM _{2.5}	8,462	8,462	0.017	0.004 - 0.446 mg/m ³
	SPM Flex	H ₂ S	8,310	2,772	0.001	0.001 - 0.004 ppm

Location Code	Instrument	Analyte	Number of Readings	Number of Detections	Average Concentration	Range of Detections*
DU04	AreaRAE	% LEL	5,544	0	ND	< 1 %
		CO	5,544	5	1	3 - 8 ppm
		NH ₃	5,544	0	ND	< 1 ppm
		O ₂	5,544	5,544	20.9	20.9 %
		VOCs	5,544	0	ND	< 0.1 ppm
	DustTrak	PM ₁₀	8,599	8,599	0.019	0.009 - 0.552 mg/m ³
		PM _{2.5}	8,599	8,599	0.015	0.009 - 0.252 mg/m ³
DU05	AreaRAE	% LEL	5,550	0	ND	< 1 %
		CO	5,550	0	ND	< 1 ppm
		NH ₃	5,550	0	ND	< 1 ppm
		O ₂	5,550	5,550	20.9	20.4 - 20.9 %
		VOCs	5,550	0	ND	< 0.1 ppm
	DustTrak	PM ₁₀	8,603	8,603	0.022	0.007 - 0.980 mg/m ³
		PM _{2.5}	8,603	8,603	0.013	0.006 - 0.367 mg/m ³
AS07	DustTrak	PM ₁₀	8,604	8,604	0.013	0.006 - 0.046 mg/m ³
		PM _{2.5}	8,604	8,604	0.01	0.006 - 0.039 mg/m ³
	SPM Flex	H ₂ S	8,505	1,701	0.001	0.001 - 0.002 ppm

Abbreviations: ppm = parts per million; mg/m³ – milligrams per cubic meter; ND = No Detection (calculated mean not applicable)

Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QA/QC) process and should be considered preliminary at this time.

*Analytes with no detections are reported as less than (“<”) the instrument’s Limit of Detection (LOD).

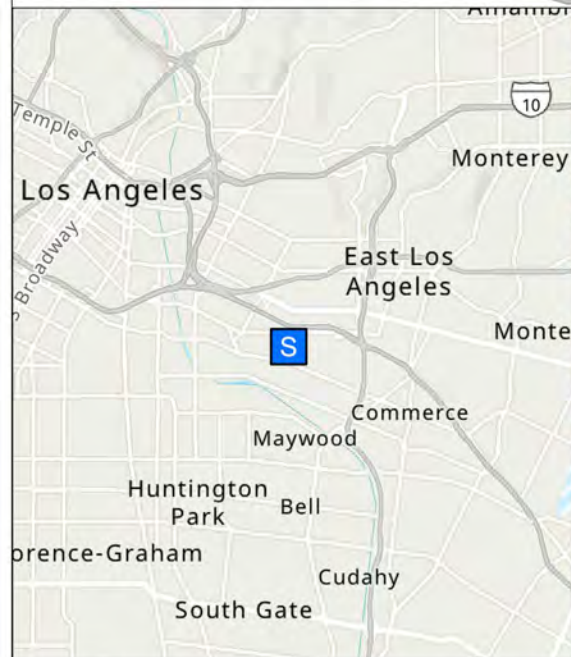
Appendix A Sampling and Analysis Plan

Appendix B Incident Site and Real-Time Air Monitoring Locations



Los Palos Warehouse Fire

Incident Location
Los Angeles, CA | Los Angeles County
PROJ-069775





H₂S | AreaRAE

S Incident Location

● < 0.1 ppm



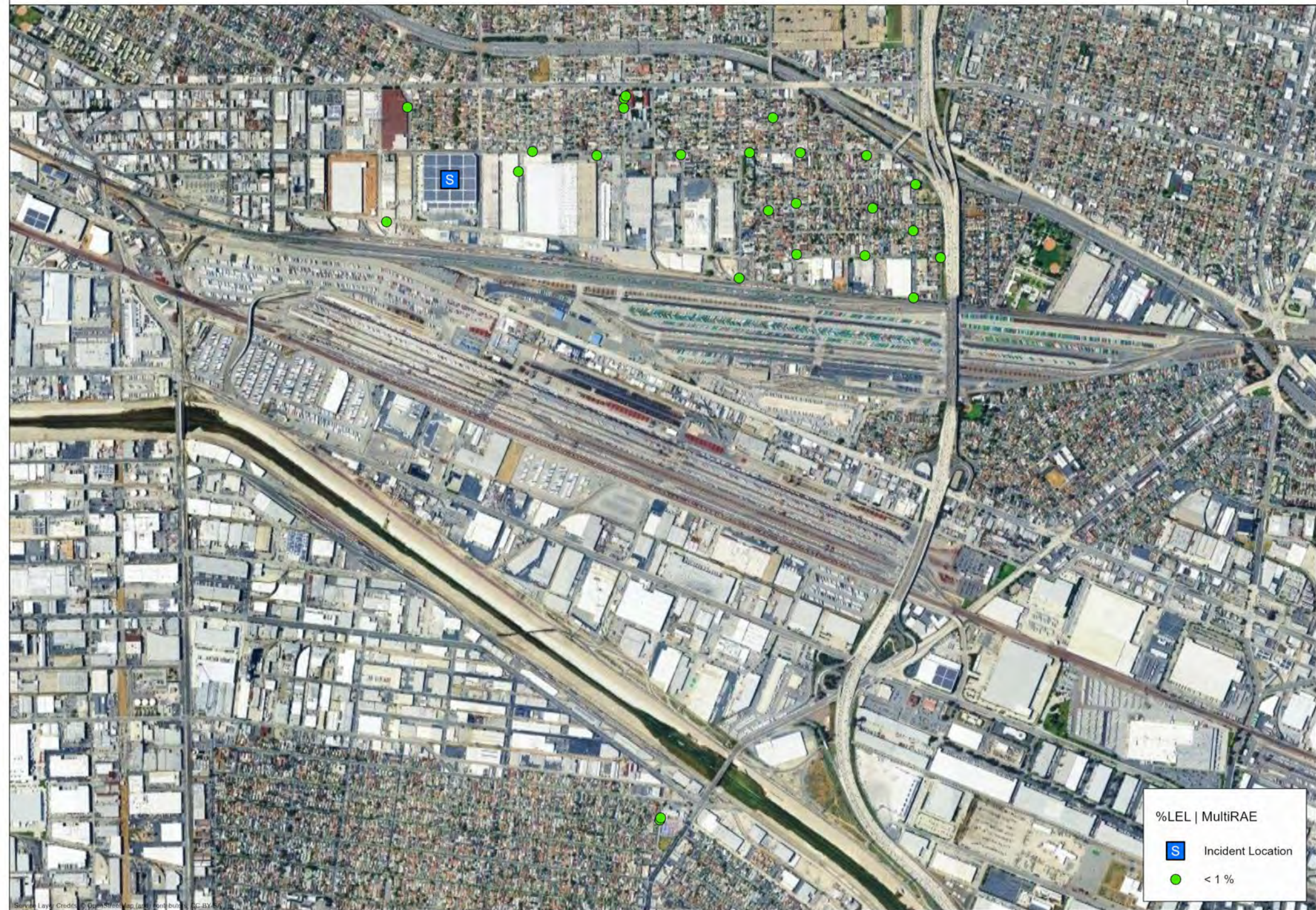


NH₃ | AreaRAE

S Incident Location

● < 1 ppm





%LEL | MultiRAE

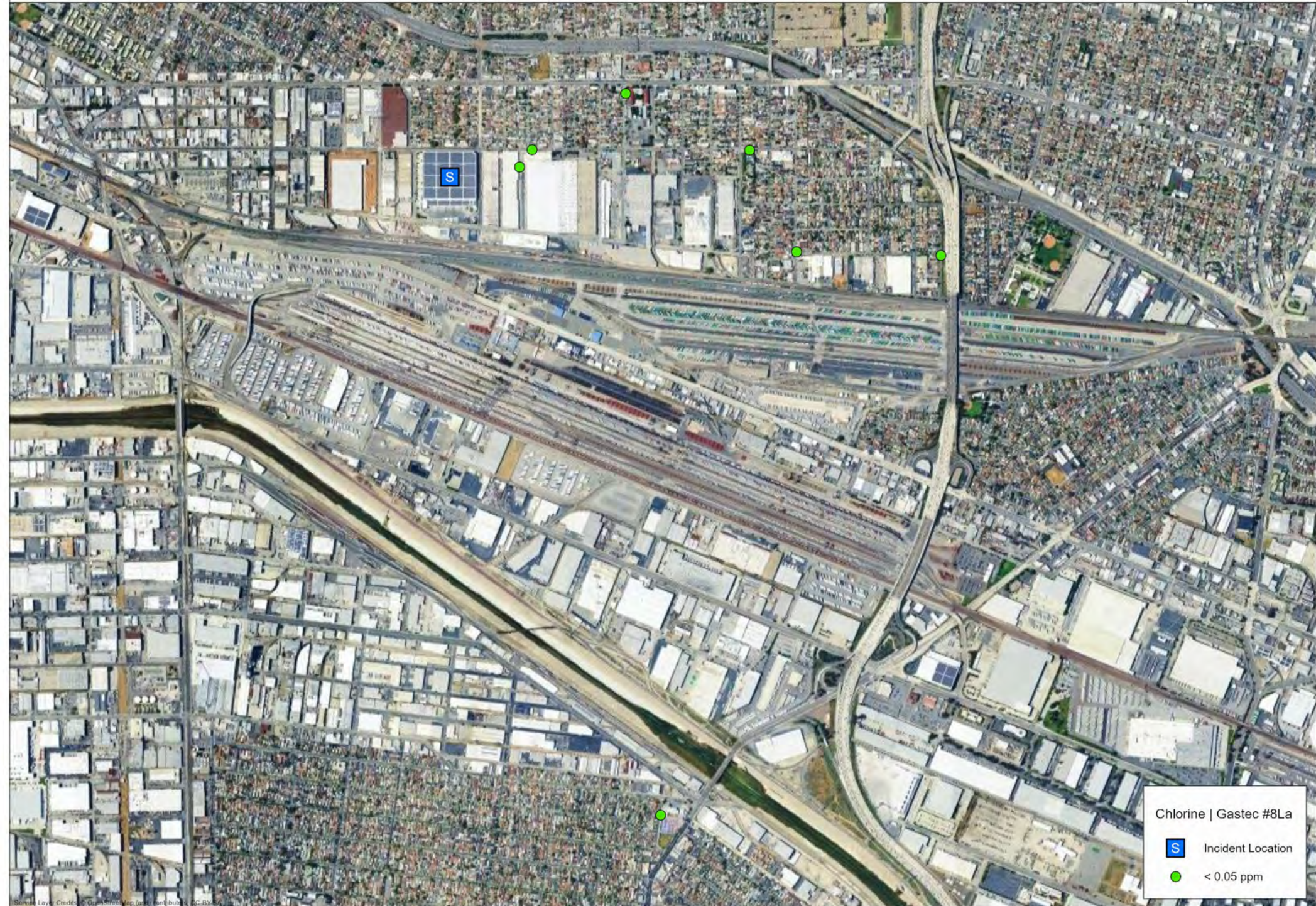
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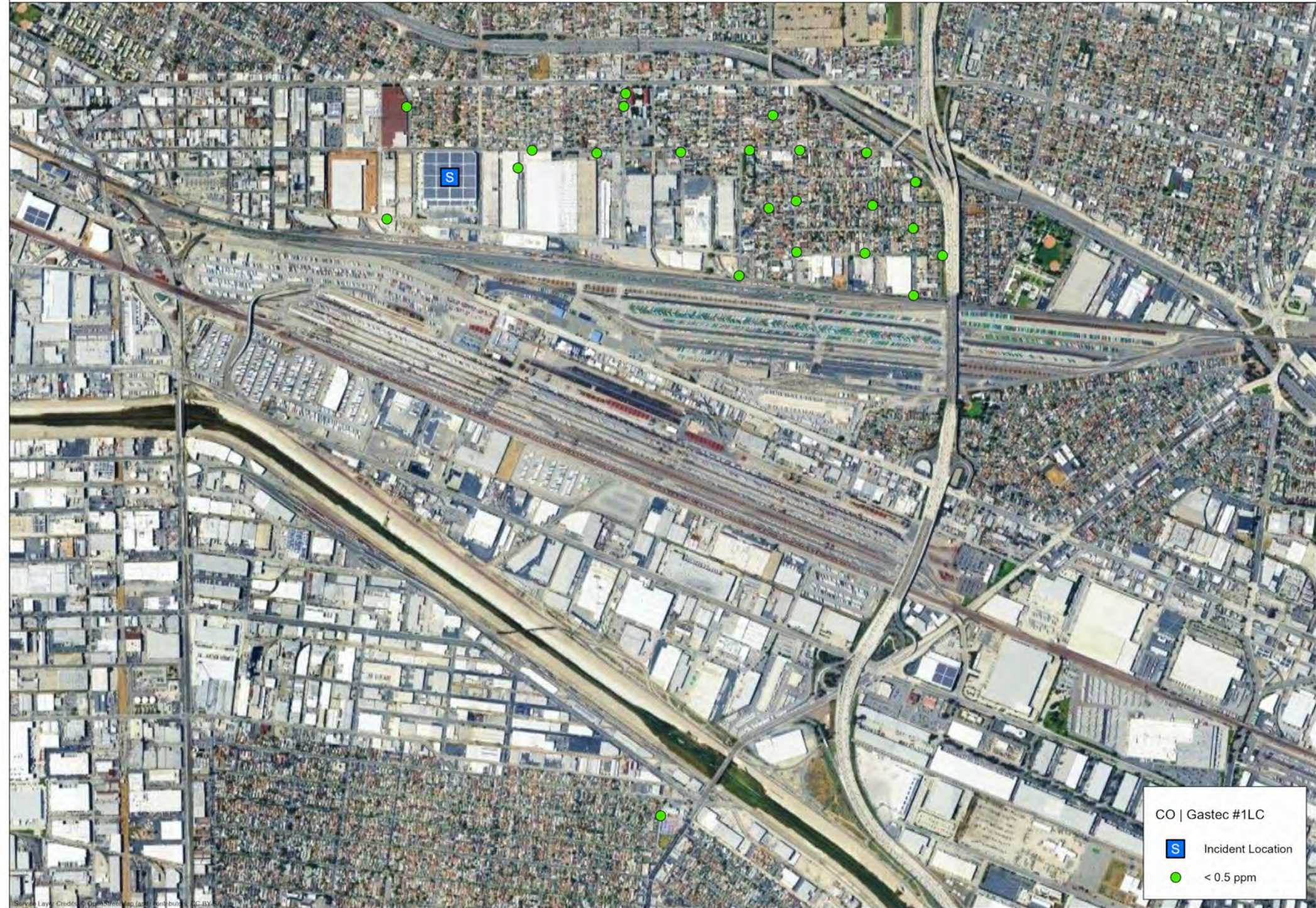
 < 1 %

0 500 1,000 Feet



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CO | Gastec #1LC

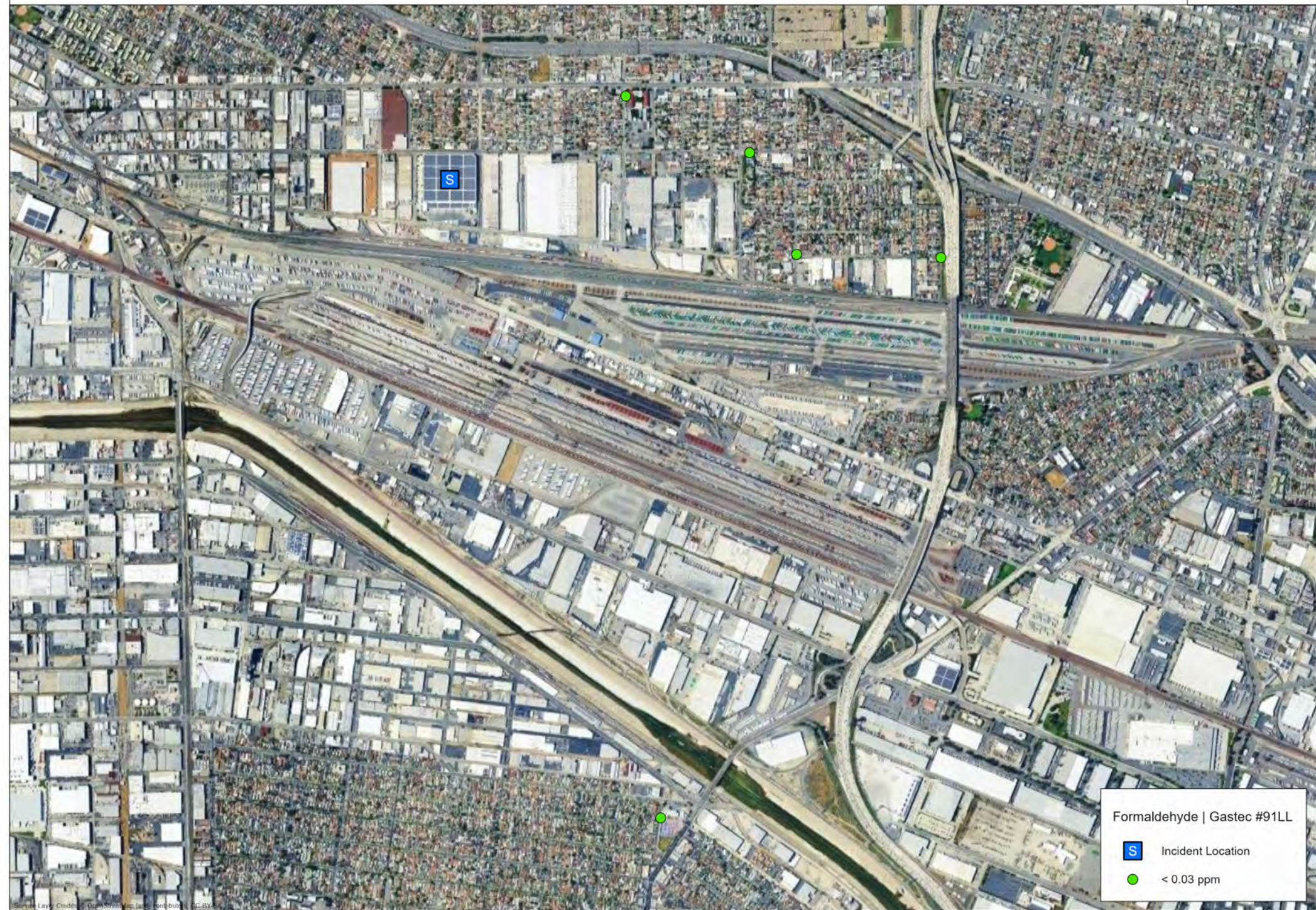
 Incident Location

 < 0.5 ppm

0 500 1,000 Feet



Updated at 2026-08-22 06:52



Formaldehyde | Gastec #91LL



Incident Location

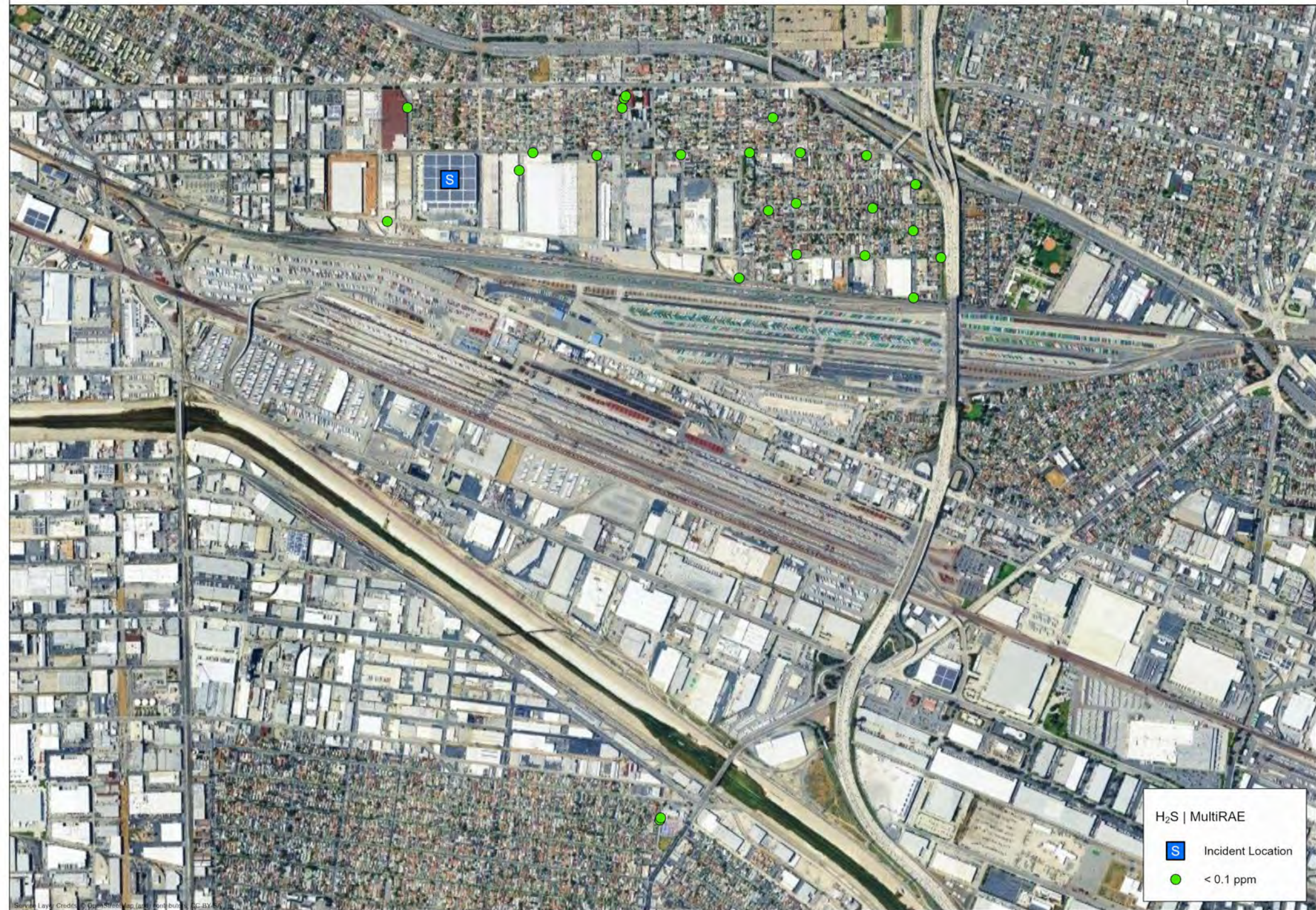


< 0.03 ppm

0 500 1,000 Feet



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H₂S | MultiRAE

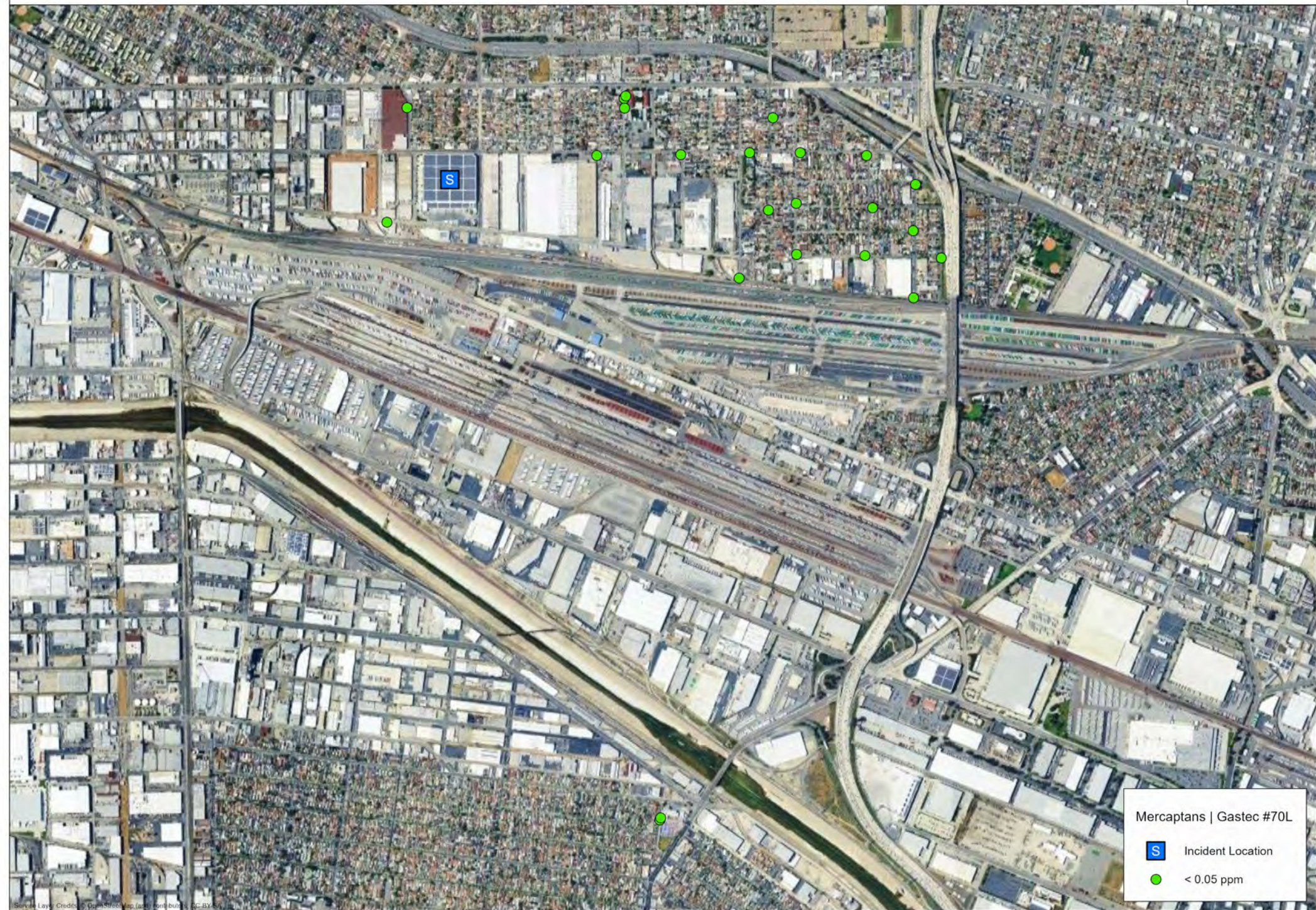
 Incident Location

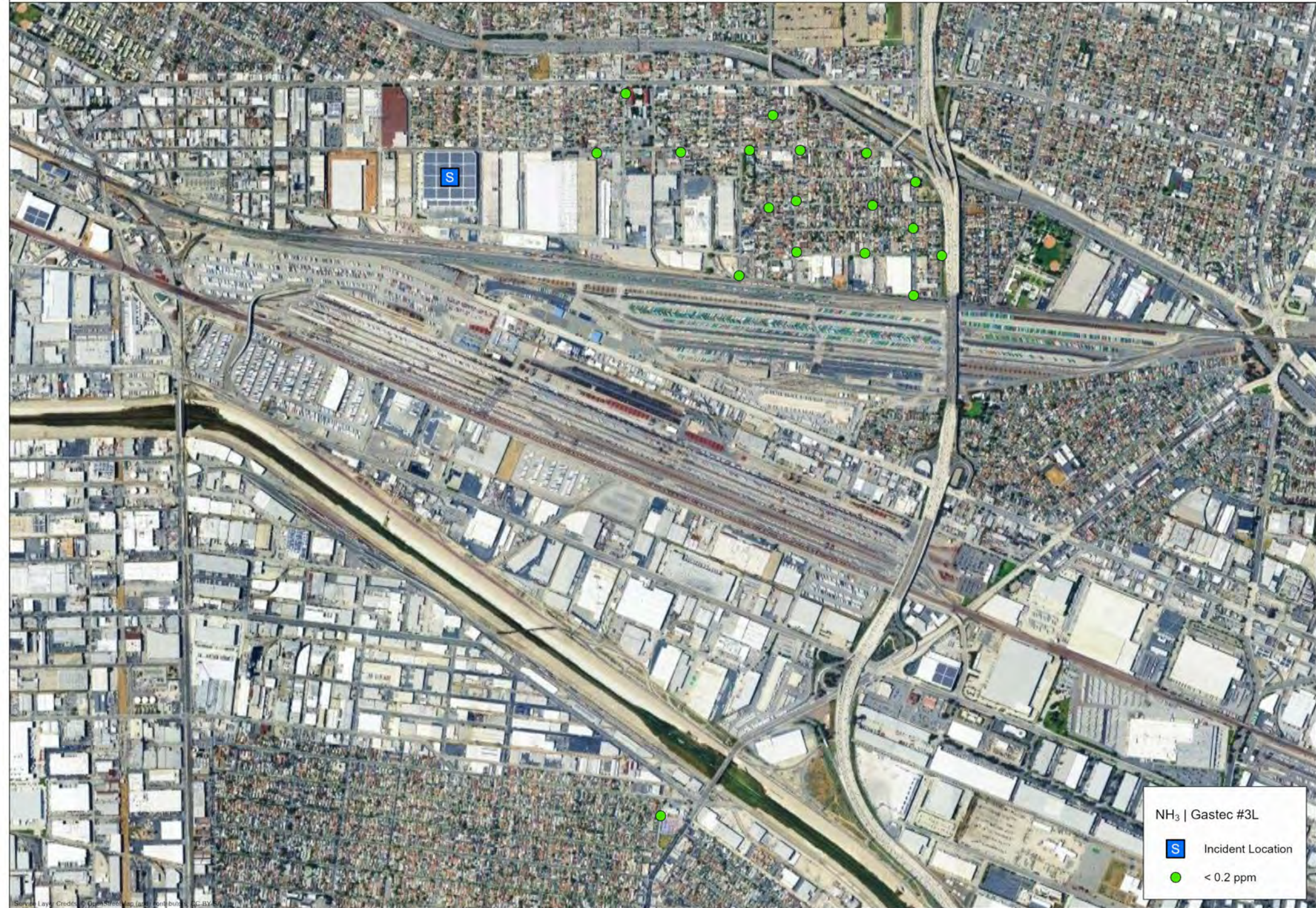
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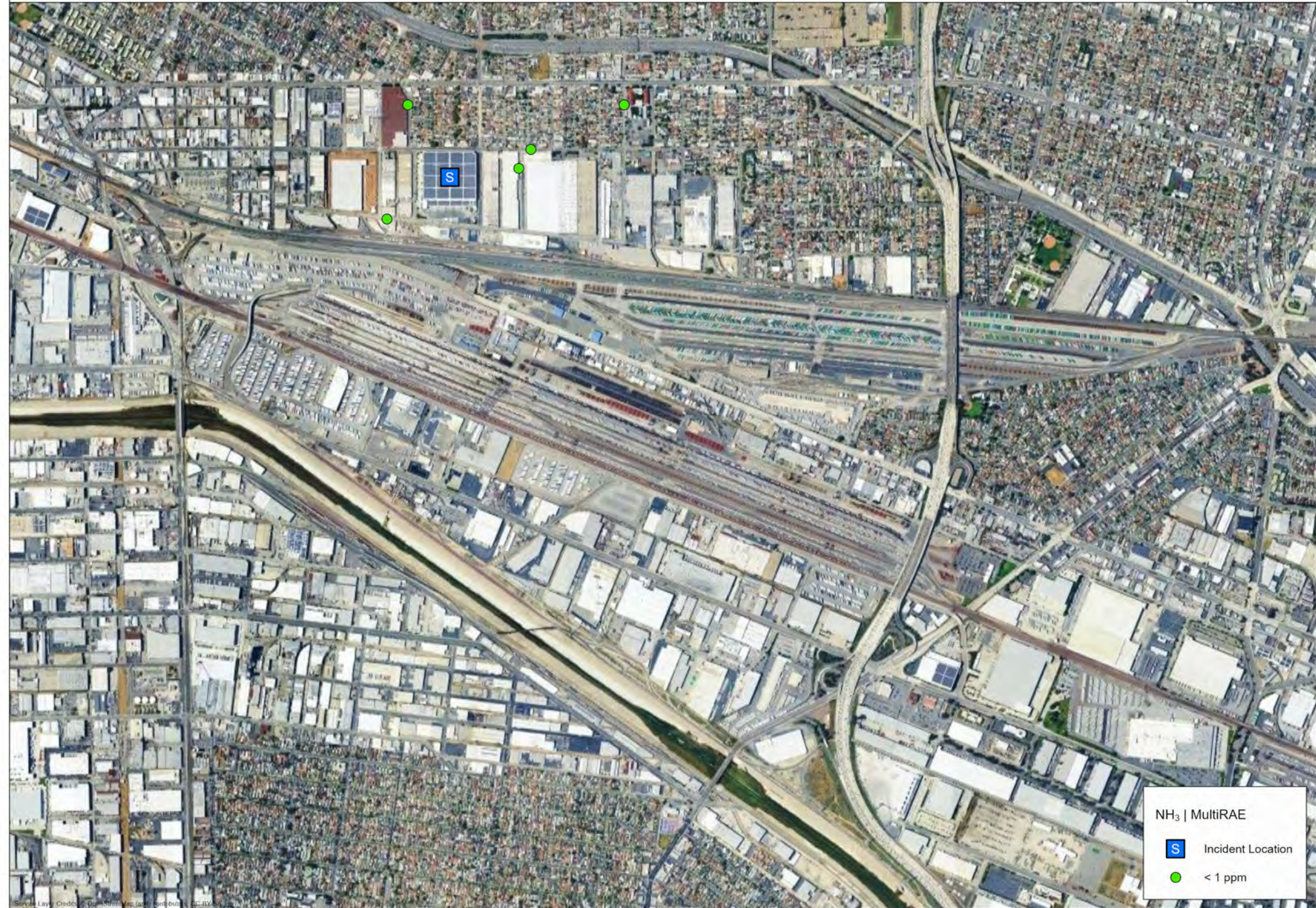
0 500 1,000 Feet

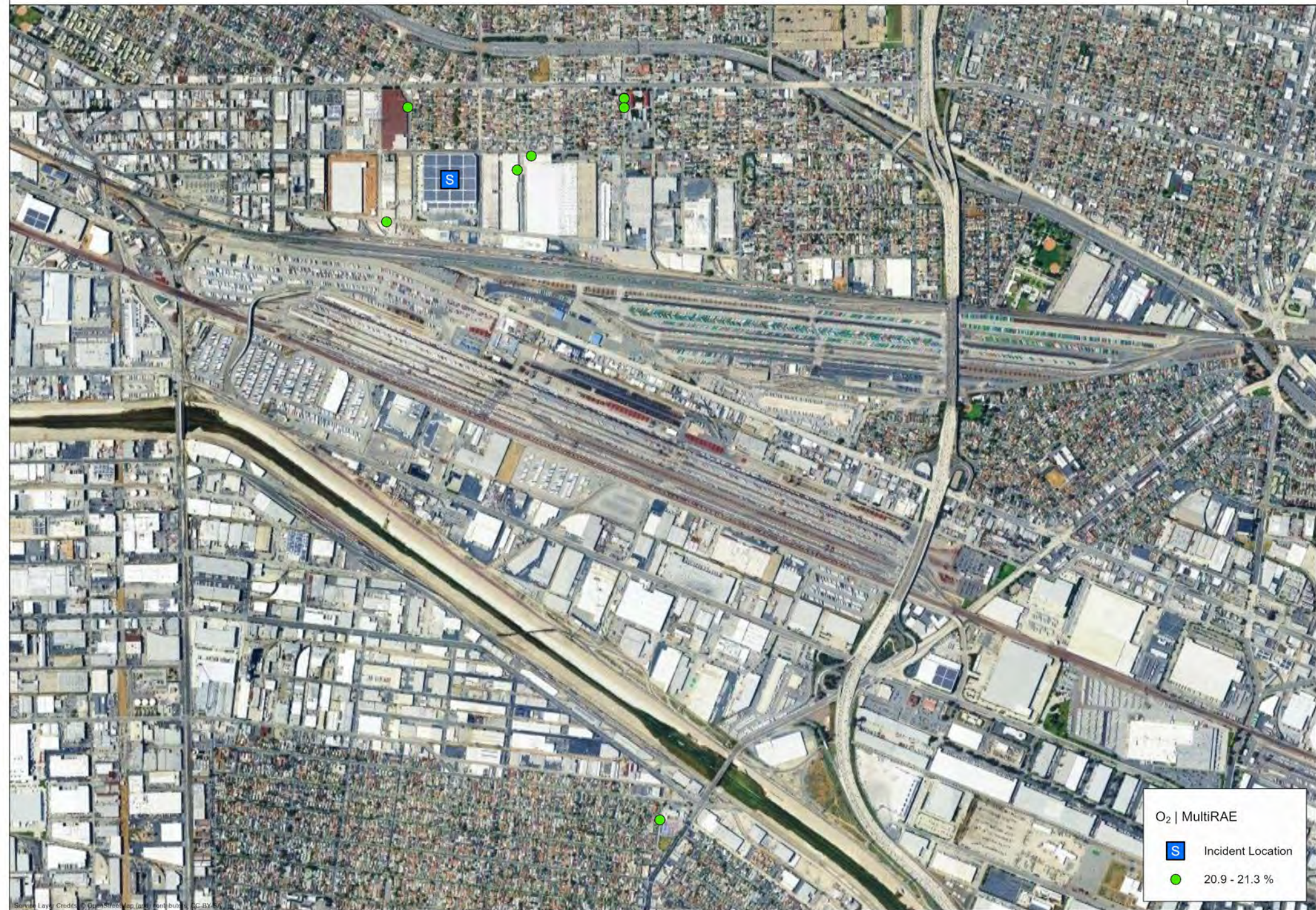


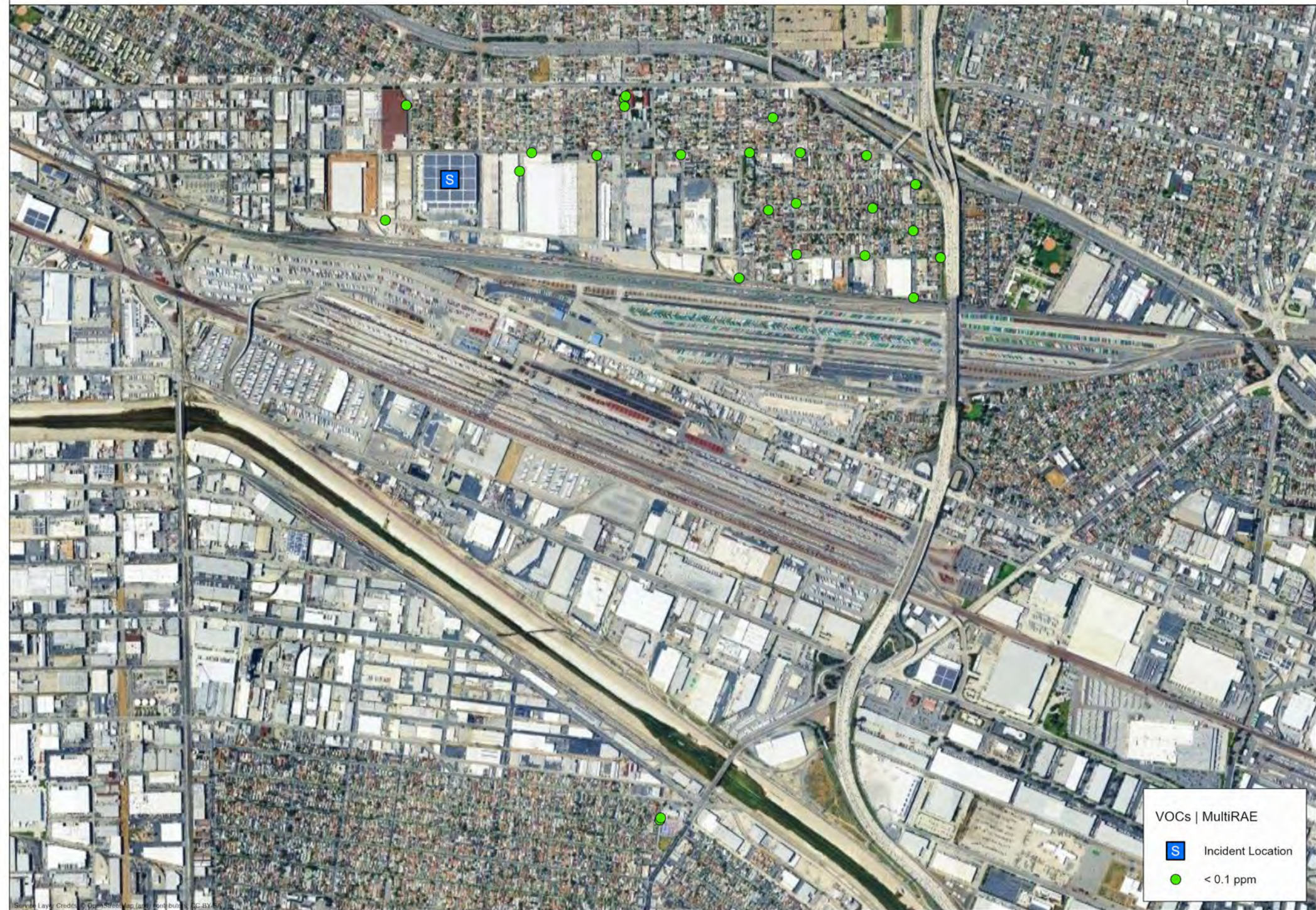
Updated at 2026-08-22 06:52













%LEL | MultiRAE

S Incident Location

● < 1 %



Chlorine | Gastec #8La

S Incident Location

● < 0.05 ppm



CO | Gastec #1LC

S Incident Location

● < 0.5 ppm



CO | MultiRAE

S Incident Location

● < 1 ppm



Formaldehyde | Gastec #91LL

S Incident Location

● < 0.03 ppm

0 50 100 Feet



Updated at 2026-08-22 06:52





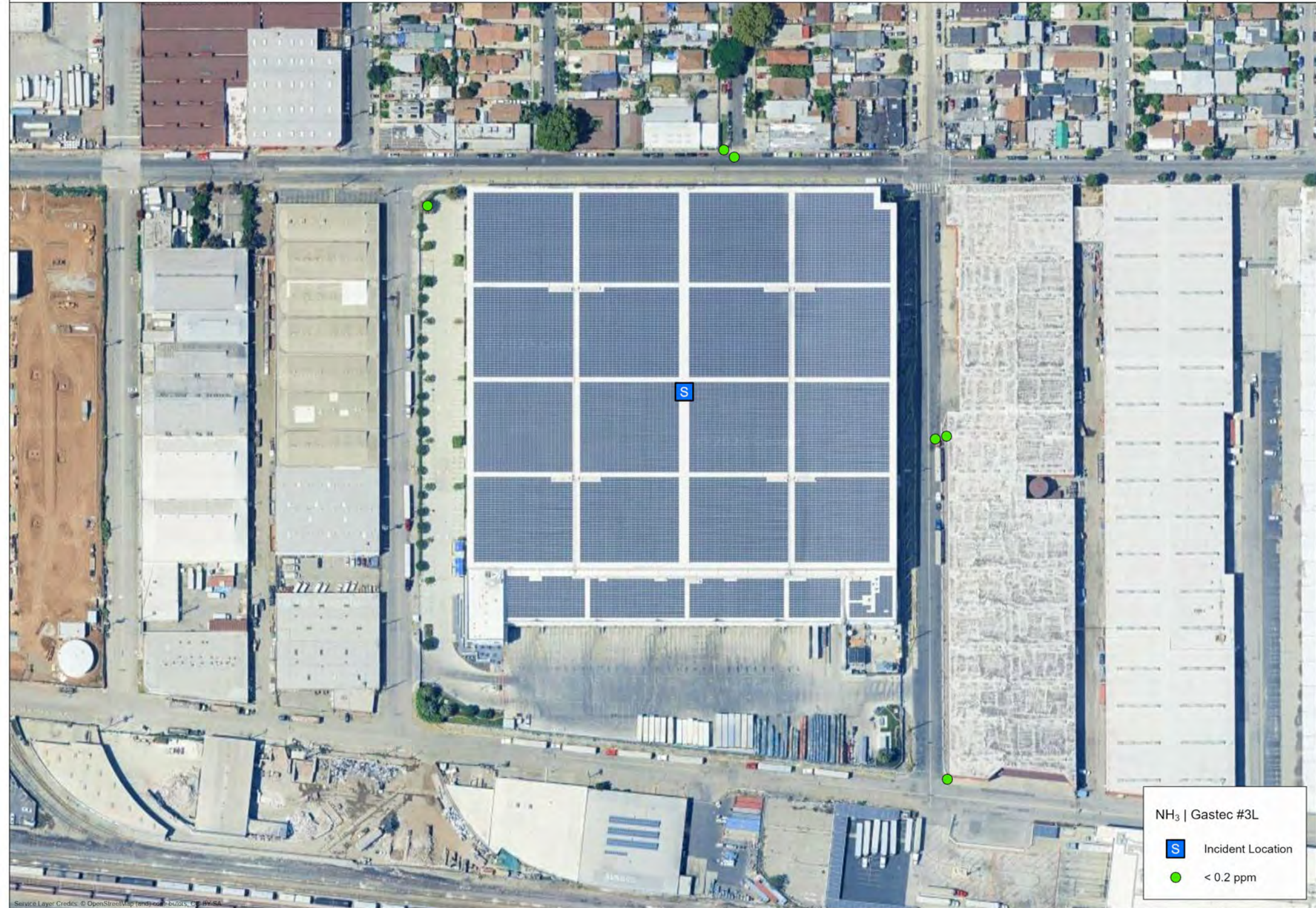
Mercaptans | Gastec #70L



Incident Location



< 0.05 ppm



NH₃ | Gastec #3L

S Incident Location

● < 0.2 ppm



NH₃ | MultiRAE

S Incident Location

● < 1 ppm



O₂ | MultiRAE

 Incident Location

 20.6 - 21.3 %

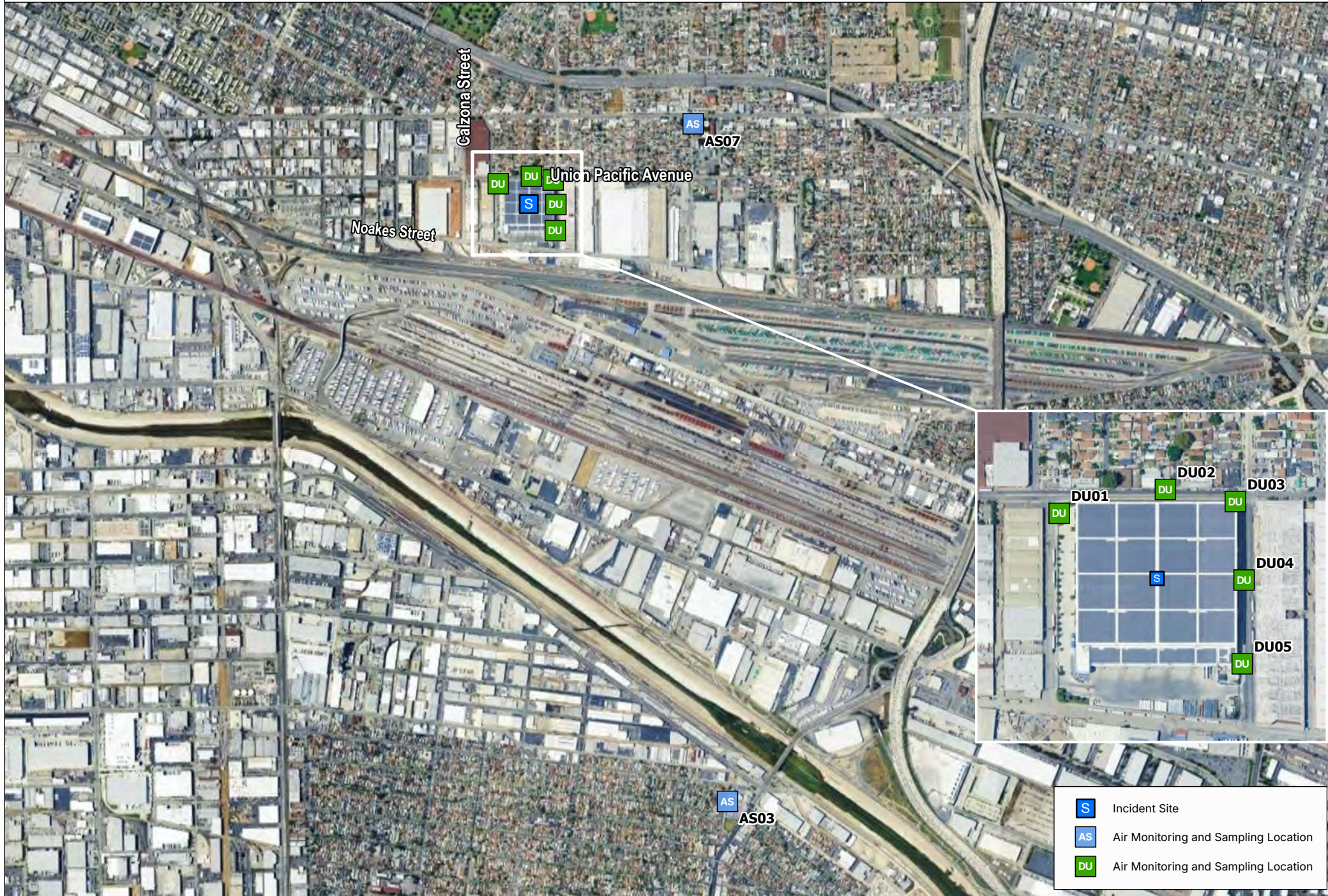


VOCs | MultiRAE

S Incident Location

● < 0.1 ppm

Appendix C Stationary Air Monitoring and Analytical Sampling Locations



- S Incident Site
- AS Air Monitoring and Sampling Location
- DU Air Monitoring and Sampling Location

Appendix D Meteorological Data

