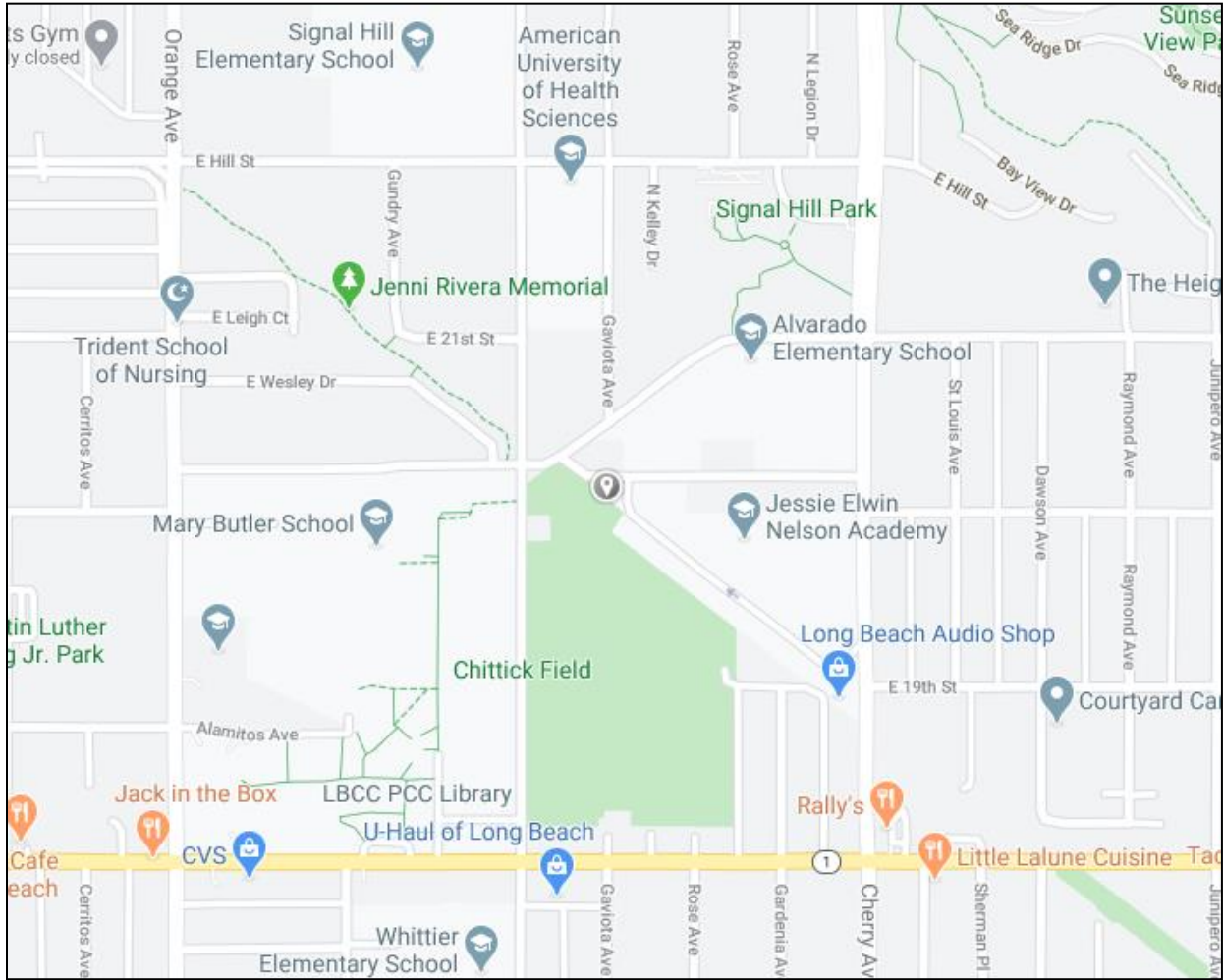


## South Coast AQMD Site Survey Report for Signal Hill

Last updated: May 17, 2023



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060374009	36039	01/01/2020	South Coast AQMD (0972)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
1710 E. 20 <sup>th</sup> Street Signal Hill CA 90755	Los Angeles	South Coast	33.793713	-118.171019	8



## Detailed Site Information

Local site name	Signal Hill			
AQS ID	060374009			
GPS coordinates (decimal degrees)	Latitude: 33.793713, Longitude: -118.171019			
Street Address	1710 E. 20 <sup>th</sup> Street, Signal Hill CA 90755			
County	Los Angeles			
Distance to roadways (meters)	18			
Traffic count (AADT, year)	10,000 (2012)			
Groundcover (e.g. asphalt, dirt, sand)	Concrete			
Representative statistical area name (i.e. MSA, CBSA, other)	31080-Los Angeles-Long Beach-Anaheim, MSA			
Pollutant, POC	Nitrogen Dioxide, 1	Ozone, 1	Sulfur Dioxide, 1	
Primary / QA Collocated / Other	N/A	N/A	N/A	
Parameter code	42602	44201	42401	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Highest Concentration	Population Exposure	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument manufacturer and model	API/Teledyne T200	API/Teledyne T400	Thermo 43i-TLE	
Method code	099	087	560	
FRM/FEM/ARM/ other	FRM	FEM	FEM	
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	N/A	N/A	
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date (MM/DD/YYYY)	01/2020	01/2020	01/2021	
Current sampling frequency (e.g.1:3, continuous)	1:1	1:1	1:1	
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	N/A	
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	
Probe height (meters)	4.4	4.4	4.4	
Distance from supporting structure (meters)	1.8	1.8	1.8	
Distance from obstructions on roof (meters)	N/A	N/A	N/A	

Distance from obstructions not on roof (meters)	N/A	N/A	N/A	
Distance from trees (meters)	>20 m East Height 11.5 m	>20 m East Height 11.5 m	>20 m East Height 11.5 m	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between collocated monitors (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees)	360°	360°	360°	
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	
Residence time for reactive gases (seconds)	9.4	8.4	8.4	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	Nightly	Nightly	Nightly	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	03/30/2022	03/30/2022	11/30/2022	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	

Pollutant, POC	Continuous PM2.5, 3	Continuous PM10, 3	24 Hour PM2.5, 1	
Primary / QA Collocated / Other	Primary	Primary	Collocated <i>For Network Met One BAM 1020 (PM 2.5)</i>	
Parameter code	88101	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Highest Concentration	Population Exposure	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument manufacturer and model	Met One BAM 1020	Met One BAM 1020	Thermo Partisol 2000i	
Method code	170	122	143	
FRM/FEM/ARM/ other	FEM	FEM	FRM	
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e., weigh lab, toxics lab)	South Coast AQMD	N/A	South Coast AQMD	
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date (MM/DD/YYYY)	04/2022	01/2022	04/2022	
Current sampling frequency (e.g.1:3, continuous)	Continuous	Continuous	1:12	
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	1:12	
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	
Probe height (meters)	4.3	4.2	4.4	
Distance from supporting structure (meters)	1.7	1.6	2	
Distance from obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	
Distance from trees (meters)	16 m East Height 11.5 m	17.5 m East Height 11.5 m	14.5 m East Height 11.5 m	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between collocated monitors (meters)	2.0	N/A	2.0	
Unrestricted airflow (degrees)	360°	360°	360°	

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	
Residence time for reactive gases (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5? (Y/N)	Yes	N/A	Yes	
Frequency of flow rate verification for manual PM samplers	N/A	N/A	Monthly	
Frequency of flow rate verification for automated PM analyzers	Monthly	Monthly	N/A	
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	04/01/2022 09/06/2022	03/25/2022 09/06/2022	09/06/2022	

Pollutant, POC	WS & D, 1/1	RH/T, 1/1	BP, 1	
Primary / QA Collocated / Other	N/A	N/A	N/A	
Parameter code	61101/61102	62201/62101	64101	
Basic monitoring objective(s)	NAAQS	Research	Research	
Site type(s)	Meteorological	Meteorological	Meteorological	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument manufacturer and model	RM Young 05305V	Rotronic HC2-S3	Vaisala PTB110	
Method code	065/065	063/063	015	
FRM/FEM/ARM/ other	N/A	N/A	N/A	
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e., weigh lab, toxics lab)	N/A	N/A	N/A	
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g. micro, neighborhood)	Neighborhood/ Urban	Neighborhood/ Urban	Neighborhood/ Urban	
Monitoring start date (MM/DD/YYYY)	01/2020	01/2020	01/2020	
Current sampling frequency (e.g.1:3, continuous)	Continuous	Continuous	Continuous	
Calculated sampling frequency (e.g. 1:3/1:1)	1:1	1:1	1:1	
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	
Probe height (meters)	10	9.5	1.5	
Distance from supporting structure (meters)	10	9.5	1.5	
Distance from obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	
Distance from trees (meters)	>20 m East Height 11.5 m	>20 m East Height 11.5 m	>20 m East Height 11.5 m	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between collocated monitors (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees)	360°	360°	360°	

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	
Residence time for reactive gases (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	



**Signal Hill  
Site Photos**



**Looking North from the probe.**



**Looking East from the probe.**



**Looking South from the probe.**



**Looking West from the probe.**

**Signal Hill  
Site Photos (Cont.)**



**Looking North at the probe.**



**Looking East at the probe.**



**Looking South at the probe.**



**Looking West at the probe.**