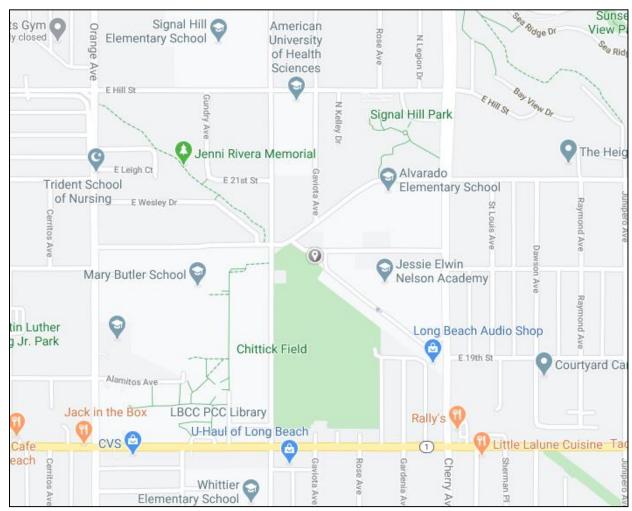
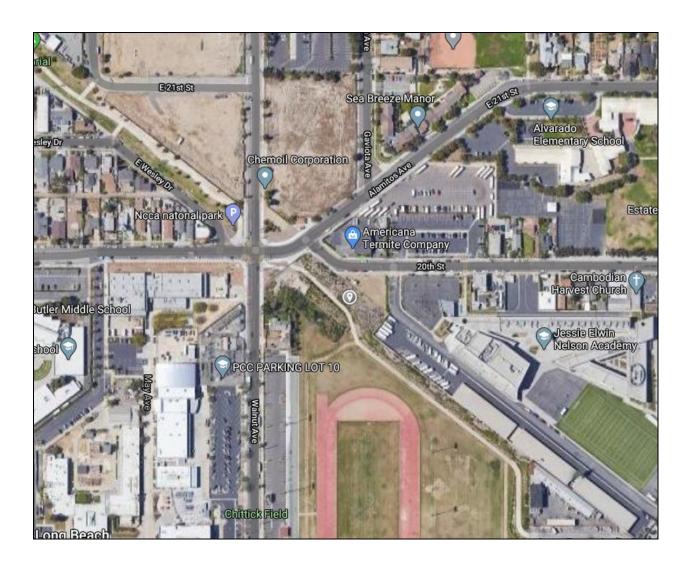
South Coast AQMD Site Survey Report for Signal Hill

Last updated: May 17, 2023



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

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



Detailed Site Information

Local site name		Signal H				
AQS ID		0603740				
GPS coordinates (decimal degrees)		Latitude: 33.793713, Longitude: -118.171019				
Street Address		1710 E. 20 th Street, Signal Hill CA 90755				
County		Los Ange		A 70733		
Distance to roadways (n	meters)	18	. ICS			
Traffic count (AADT, y		10,000 (2	2012)			
Groundcover	car)	Concrete				
(e.g. asphalt, dirt, sand)		Concrete	Concrete			
Representative statistica	ıl area name	31080-Los Angeles-Long Beach-Anaheim, MSA				
(i.e. MSA, CBSA, other		31000 20	51000-Los Angeles-Long Deach-Analienn, W5A			
Pollutant, POC	Nitrogen Did	oxide, 1	Ozone, 1	Sulfur Dioxide, 1		
Primary / QA	N/A		N/A	N/A		
Collocated / Other						
Parameter code	42602		44201	42401		
Basic monitoring	NAAQS		NAAQS	NAAQS		
objective(s)						
Site type(s)	Population E	Exposure	Highest	Population Exposure		
	-	-	Concentration			
Monitor (type)	SLAMS		SLAMS	SLAMS		
Network Affiliation	N/A		N/A	N/A		
Instrument	API/Teledyn	e T200	API/Teledyne T400	Thermo 43i-TLE		
manufacturer and	-					
model						
Method code 099			087	560		
FRM/FEM/ARM/	FRM		FEM	FEM		
other						
Collecting Agency	South Coast	AQMD	South Coast AQMD	South Coast AQMD		
Analytical Lab (i.e.,	N/A		N/A	N/A		
weigh lab, toxics lab,						
other)						
Reporting Agency	South Coast AQMD		South Coast AQMD	South Coast AQMD		
Spatial scale (e.g. Neighborhood		od	Neighborhood	Neighborhood		
micro, neighborhood)	_					
Monitoring start date	01/2020		01/2020	01/2021		
(MM/DD/YYYY)						
Current sampling	1:1		1:1	1:1		
frequency (e.g.1:3,						
continuous)						
Calculated sampling	N/A		N/A	N/A		
frequency						
(e.g. 1:3/1:1)			01/01/10/01	01/01 10/01		
Sampling season 01/01-12/31			01/01-12/31	01/01-12/31		
(MM/DD-MM/DD)			4.4	4.4		
Probe height (meters) 4.4			4.4	4.4		
Distance from	1.8		1.8	1.8		
supporting structure						
(meters) Distance from	N/A		NI/A	N/A		
obstructions on roof	1 N /A		N/A	N/A		
(meters)						

Distance from	N/A	N/A	N/A
obstructions not on	IN/A	IN/A	IV/A
roof (meters)			
Distance from trees	>20 m East	>20 m East	>20 m East
(meters)	Height 11.5 m	Height 11.5 m	Height 11.5 m
Distance to furnace or	N/A	N/A	N/A
	IN/A	IN/A	IN/A
incinerator flue			
(meters)	NT/A	NT/A	NT/A
Distance between collocated monitors	N/A	N/A	N/A
(meters)	2.000	2600	2600
Unrestricted airflow	360°	360°	360°
(degrees)	m a	The City	
Probe material for	Teflon	Teflon	Teflon
reactive gases			
(e.g. Pyrex, stainless			
steel, Teflon)			
Residence time for	9.4	8.4	8.4
reactive gases			
(seconds)			
Will there be changes	No	No	No
within the next 18			
months? (Y/N)	27/4	N7/4	27/4
Is it suitable for	N/A	N/A	N/A
comparison against			
the annual PM2.5?			
(Y/N)	27/4	N7/4	27/4
Frequency of flow	N/A	N/A	N/A
rate verification for			
manual PM samplers	27/4	27/4	27/4
Frequency of flow	N/A	N/A	N/A
rate verification for			
automated PM			
analyzers	XV. 1.1	N. 1.1	N. 1.1
Frequency of one-	Nightly	Nightly	Nightly
point QC check for			
gaseous instruments	02/20/2022	02/20/2022	11/20/2022
Last Annual	03/30/2022	03/30/2022	11/30/2022
Performance			
Evaluation for			
gaseous parameters			
(MM/DD/YYYY)	NT/A	DT/A	NY/A
Last two semi-annual	N/A	N/A	N/A
flow rate audits for			
PM monitors			
(MM/DD/YYYY,			
MM/DD/YYYY)			

Pollutant, POC	Continuous PM2.5, 3	Continuous PM10, 3	24 Hour PM2.5, 1	
Primary / QA	Primary	Primary	Collocated	
Collocated / Other			For Network Met One	
			BAM 1020 (PM 2.5)	
Parameter code	88101	81102	88101	
Basic monitoring	NAAQS	NAAQS	NAAQS	
objective(s)				
Site type(s)	Population Exposure	Highest Concentration	Population Exposure	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument	Met One BAM 1020	Met One BAM 1020	Thermo Partisol 2000i	
manufacturer and				
model				
Method code	170	122	143	
FRM/FEM/ARM/	FEM	FEM	FRM	
other	g 4 g + 63 55	9 1 9 1 9 5	g d g d over	
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.	Neighborhood	Neighborhood	Neighborhood	
micro, neighborhood)	reignoomood	reignoomoou	reignoornood	
Monitoring start date	04/2022	01/2022	04/2022	
(MM/DD/YYYY)				
Current sampling	Continuous	Continuous	1:12	
frequency (e.g.1:3,				
continuous) Calculated sampling	N/A	N/A	1:12	
frequency	IN/A	IN/A	1:12	
(e.g. 1:3/1:1)				
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31	
(MM/DD-MM/DD)	01/01 12/01	01/01 12/01	01/01 12/01	
Probe height (meters)	4.3	4.2	4.4	
Distance from	1.7	1.6	2	
supporting structure				
(meters)				
Distance from	N/A	N/A	N/A	
obstructions on roof				
(meters)	NT/A	NT/A	N/A	
Distance from	N/A	N/A	N/A	
obstructions not on roof (meters)				
Distance from trees	16 m East	17.5 m East	14.5 m East	
(meters)	Height 11.5 m	Height 11.5 m	Height 11.5 m	
Distance to furnace or	N/A	N/A	N/A	
incinerator flue				
(meters)				
Distance between	2.0	N/A	2.0	
collocated monitors				
(meters)				
Unrestricted airflow	360°	360°	360°	
(degrees)				

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	N/A	N/A	N/A	
Collocated / Other	·			
Parameter code	61101/61102	62201/62101	64101	
Basic monitoring	NAAQS	Research	Research	
objective(s)				
Site type(s)	Meteorological	Meteorological	Meteorological	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument	RM Young 05305V	Rotronic HC2-S3	Vaisala PTB110	
manufacturer and	8 8			
model				
Method code	065/065	063/063	015	
FRM/FEM/ARM/	N/A	N/A	N/A	
other				
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e.,	N/A	N/A	N/A	
weigh lab, toxics lab				
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g.	Neighborhood/ Urban	Neighborhood/ Urban	Neighborhood/ Urban	
micro, neighborhood)				
Monitoring start date	01/2020	01/2020	01/2020	
(MM/DD/YYYY)				
Current sampling	Continuous	Continuous	Continuous	
frequency (e.g.1:3,				
continuous)				
Calculated sampling	1:1	1:1	1:1	
frequency				
(e.g. 1:3/1:1)				
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	10	9.5	1.5	
supporting structure				
(meters)				
Distance from	N/A	N/A	N/A	
obstructions on roof				
(meters)				
Distance from	N/A	N/A	N/A	
obstructions not on				
roof (meters)				
Distance from trees	>20 m East	>20 m East	>20 m East	
(meters)	Height 11.5 m	Height 11.5 m	Height 11.5 m	
Distance to furnace or	N/A	N/A	N/A	
incinerator flue				
(meters)				
Distance between	N/A	N/A	N/A	
collocated monitors				
(meters)				
Unrestricted airflow	360°	360°	360°	
(degrees)				

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

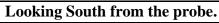




Looking North from the probe.

Looking East from the probe.



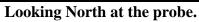




Looking West from the probe.

Signal Hill Site Photos (Cont.)







Looking East at the probe.



Looking South at the probe.



Looking West at the probe.