



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Dr. Diamond Bar, CA 91765-4182

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

(Page 1 of 3)

To: Victor Yip
Sr. Enforcement Manager
Compliance & Enforcement

Laboratory No. 1813801-01
Requested By Kraig Morris
Rule No. R402
ST No. NA
Report Created 05/23/2018

Sampling Location

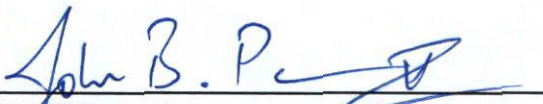
Long Beach Fire Station #14
5611 1/2 E. 2nd Street
Long Beach, CA 90803

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS, AND RESULTS

Total Gaseous Non-Methane Non-Ethane Organic Carbon by SCAQMD Method 25.1 (GC-TCA)

See attached results and sample information.


Reviewed By:


Brad Parrack
Principal A.Q. Chemist
Laboratory Services

Date Reviewed:

05/23/18

Approved By:


Aaron Katzenstein, Ph.D.
Senior Manager
Laboratory Services
(909) 396-2219

Date Approved:

5/24/2018



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Laboratory No. 1813801-01
Sample Description SUMMA Canister 54563, SUMMA canister
Sample Comments Odor smelled like natural gas/mercaptan with an intensity of 3 to 4 out of 5. Wind was from SW direction.

Sample Date 05/17/2018

Received Date 05/18/2018

Analyzed Date 05/21/2018

Total Gaseous Non-Methane Non-Ethane Organic Carbon by SCAQMD Method 25.1 (GC-TCA)

Analyte, Unit	Result	MDL	MRL
CH ₄ , ppmvC	2	0.2	1
CO ₂ , ppmvC	497	0.1	2
Ethane, ppmvC	<1	0.2	1
NMNEOC, ppmvC	5	0.2	1



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Laboratory No. 1813801-01

Total Gaseous Non-Methane Non-Ethane Organic Carbon by SCAQMD Method 25.1 (GC-TCA)

QUALITY CONTROL SUMMARY

CCV1 (CC106783)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1.93	1.92	0.31	0.01	PASS
1.87	2.02	7.61	0.15	PASS
1.84	1.57	17.27	0.27	PASS
1.82	2.03	10.34	0.21	PASS
2.23	2.03	9.96	0.20	PASS

CCV2 (CC68431)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1020	1000	2.04	20.42	PASS
1027	1000	2.74	27.37	PASS
1030	1000	3.02	30.23	PASS
1030	1000	3.03	30.29	PASS
1012	1000	1.18	11.78	PASS

CCV3 (CC106783)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1.94	1.92	0.83	0.02	PASS
1.97	2.02	2.67	0.05	PASS
2.19	1.57	39.58	0.62	PASS
1.93	2.03	4.93	0.10	PASS
2.15	2.03	6.02	0.12	PASS

CCV4 (CC68431)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1021	1000	2.05	20.51	PASS
1024	1000	2.40	23.99	PASS
1024	1000	2.40	24.04	PASS
1025	1000	2.45	24.51	PASS
1006	1000	0.55	5.51	PASS

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST**

- DISTRICT INFORMATION
- INVOICE SOURCE
- LAP AUDIT

LABORATORY NO 1813801

TO: SCAQMD LAB: OTHER: _____
 SOURCE NAME: Long Beach Fire Station #14 I.D. No. _____
 Source Address: 5611 1/2 E. 2nd St. City: Long Beach
 Mailing Address: 5200 Eliot Street City: Long Beach Zip: 90803
 Contact Person: JAMES OWEN Title: FIRE CAPT. Tel: (562) 570-1214

Analysis Requested by: Kraig Morris Date: 5/18/18
 Approved by: [Signature] Office: C&E Budget #: 60375
 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
 Suspected Violation Rule(s) 402 Other

Sample Collected by: JAMES OWEN Date: 5/17/18 Time: 1632

SAMPLE DESCRIPTION: Sample collected at 5611 1/2 E. 2nd st. in Long Beach. Odor smelled like natural gas/mercaptan with an intensity of 3 to 4 out of 5. Wind was from SW direction.

3 to 4 out of 5

REQUESTED ANALYSIS:

VOC Analysis
ID# 54563

Relinquished by	Received by	Firm/Agency	Date	Time
Anthony Garcia	Kraig Morris	SCAQMD	5/18/18	0725
Kraig Morris	Kim de Leon	SCAQMD	5/18/18	0920

Remarks: