



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

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

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To: Victor Yip
Sr. Enforcement Manager
Compliance & Enforcement

Laboratory No. 1736009-01
Requested By Kraig Morris

Rule No. R402

Sampling Location
Various Sampling Locations

ST No. NA


Report Created 01/17/2018

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:

01/17/18

Approved By:



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

Date Approved:

1/18/18



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Laboratory No. 1736009-01
Sample Description SUMMA Canister 54619
Sample Comments Multiple complaints near fire station #5 regarding a gas type odor. Odor is consistent with gas type odor that passes through city. Sample was collected in front of Huntington Beach fire station #5. Odor intensity: 4 out of 5.
Analysis Comments Sequence and QC runs span 3 days. QC results indicate that sequence length has not impacted reported values. NMNEOC overestimated by roughly 3% due to co-elution with baseline disturbance from backflush valve switch.

Sample Date 12/25/2017

Received Date 12/26/2017

Analyzed Date 01/08/2018

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

Analyte, Unit	Result	MDL	MRL
CH4, ppmvC	2	0.2	1
CO2, ppmvC	442	0.2	2
Ethane, ppmvC	<1	0.3	1
NMNEOC, ppmvC	11	0.3	1



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Laboratory No. 1736009-01

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
2.41	1.92	25.26	0.49	PASS
2.01	2.02	0.69	0.01	PASS
2.07	1.57	31.93	0.50	PASS
2.13	2.03	4.93	0.10	PASS
2.35	2.03	15.88	0.32	PASS

CCV2 (CC12628)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1068	1036	3.13	32.46	PASS
1060	1068	0.76	8.16	PASS
1051	1022	2.87	29.29	PASS
1053	1044	0.84	8.78	PASS
1054	1024	2.94	30.12	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
2.09	1.92	8.63	0.17	PASS
1.99	2.02	1.68	0.03	PASS
2.00	1.57	27.47	0.43	PASS
1.98	2.03	2.46	0.05	PASS
2.19	2.03	7.99	0.16	PASS

CCV4 (CC12628)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1066	1036	2.88	29.84	PASS
1059	1068	0.85	9.13	PASS
1044	1022	2.19	22.42	PASS
1048	1044	0.38	4.01	PASS
1045	1024	2.09	21.45	PASS

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

DIS.
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LABOR

TO: SCAQMD LAB: OTHER:

SOURCE NAME: Huntington Beach Fire Station #5 I.D. No. _____

Source Address: 530 Lake St City: Huntington Beach

Mailing Address: 2000 Main St. City: Huntington Beach Zip: 92648

Contact Person: Andrew Merritt Title: Firefighter Tel: (714)536-5474

Analysis Requested by: Kraig Morris Date: 12/26/17

Approved by: [Signature] Office: _____ Budget #: _____

REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill

Suspected Violation Rule(s) 402 Other

Sample Collected by: Andrew Merritt Date: 12/25/17 Time: 1950

SAMPLE DESCRIPTION:

A number of complaints were phoned in near Fire Station #5 regarding a gas type odor. Odor is consistent with gas type odor that passes through city. Sample was collected in front of Huntington Beach Fire Station #5 and smelled like rotten egg. Odor had an intensity of 4 out of 5 on a scale of 0 to 5.

REQUESTED ANALYSIS: VOC ANALYSIS Sample ID # 54619

Relinquished by	Received by	Firm/Agency	Date	Time
Cameron Gair	Kraig Morris	SCAQMD	12/26/17	0940
Kraig Morris	K. de Leon	SCAQMD	12/26/17	1340

Remarks: