



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. 1809701-01
Requested By Kraig Morris
Rule No. R402
ST No. NA
Report Created 04/23/2018

Sampling Location

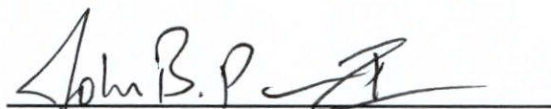
Firestation #44 (Seal Beach)
718 Central Ave.
Seal Beach, CA 90740

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:

04/23/18

Approved By:



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

Date Approved:

4/25/2018



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Laboratory No. 1809701-01

Sample Description SUMMA Canister 54623, Collected in front of parking lot area of seal beach fire station # 44 Rotten egg smell

Sample Date 04/07/2018

Received Date 04/07/2018

Analyzed Date 04/10/2018

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

Analyte, Unit	Result	MDL	MRL
CH ₄ , ppmvC	2	0.1	1
CO ₂ , ppmvC	449	0.2	2
Ethane, ppmvC	<1	0.2	1
NMNEOC, ppmvC	5	0.1	1



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Laboratory No. 1809701-01

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
2.06	1.92	7.07	0.14	PASS
1.99	2.02	1.68	0.03	PASS
2.08	1.57	32.57	0.51	PASS
1.99	2.03	1.97	0.04	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
1024	1000	2.39	23.85	PASS
1030	1000	3.03	30.28	PASS
1034	1000	3.35	33.53	PASS
1033	1000	3.29	32.90	PASS
1013	1000	1.28	12.81	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
1.92	2.02	5.14	0.10	PASS
2.18	1.57	38.94	0.61	PASS
1.93	2.03	4.93	0.10	PASS
2.13	2.03	5.03	0.10	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
1020	1000	1.96	19.64	PASS
1026	1000	2.58	25.83	PASS
1029	1000	2.88	28.81	PASS
1026	1000	2.59	25.88	PASS
1006	1000	0.65	6.48	PASS

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

DISTRICT
 INVOICE S
 LAP AUDI
 LABORATO

WO #: 1809701



TO: SCAQMD LAB: OTHER:
 SOURCE NAME: Fire Station #44 (Seal Beach) I.D. No. _____
 Source Address: 718 Central Ave City: Seal Beach
 Mailing Address: Same City: Same Zip: 90740
 Contact Person: JASON Rolston Title: Engineer Tel: (562) 431-0648

Analysis Requested by: Kraig Morris Date: 4/7/18
 Approved by: _____ Office: C&E Budget #: _____
 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
 Suspected Violation Rule(s) 402 Other

Sample Collected by: Firefighter Haney Date: 4/7/18 Time: 1250

SAMPLE DESCRIPTION:
 Sample collected in front parking lot area of Seal Beach Fire station #44. wind was blowing from northwest and onshore. Event lasted approx 10 min. Odor detected was rotten egg smell with an intensity of 4 out of 5.

REQUESTED ANALYSIS:

VOC Analysis
 54623
 CAN ID# 56423

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Firefighter Haney</u>	<u>Kraig Morris</u>	<u>SCAQMD</u>	<u>4/7/18</u>	<u>1500</u>
<u>Kraig Morris</u>	<u>[Signature]</u>	<u>Laboratory</u>	<u>4/7/18</u>	<u>16:25</u>

Remarks: