



**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.** 1827507-01  
**Requested By** Kraig Morris  
**Rule No.** R402  
**ST No.** NA  
**Report Created** 10/05/2018

**Sampling Location**

HB Fire Station #6 Collected  
18302 Twinford Ln.  
Huntington Beach, CA 92648

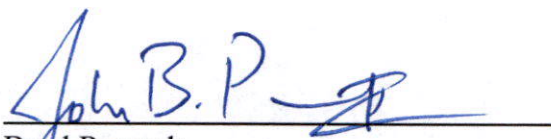
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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS, AND RESULTS**

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

**See attached results and sample information.**

**Comments: Blank subtraction performed.**

**Reviewed By:**   
Brad Parrack  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:** 10/05/18

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

**Date Approved:** 10/10/18



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**Laboratory No.** 1827507-01  
**Sample Description** SUMMA Canister 54576  
**Sample Comments** Sample was collected near 18302 Twinford Ln. in Huntington Beach. The odor was a natural gas type odor with an intensity of 4 out of 5. Wind was blowing from the west direction.

**Sample Date** 09/30/2018

**Received Date** 10/02/2018

**Analyzed Date** 10/02/2018

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

<b>Analyte, Unit</b>	<b>Result</b>	<b>MDL</b>	<b>MRL</b>
CH <sub>4</sub> , ppmvC	2	0.3	1
CO <sub>2</sub> , ppmvC	801	0.2	2
Ethane, ppmvC	<1	0.4	1
NMNEOC, ppmvC	23	0.4	1

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Laboratory No.      1827507-01

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

**QUALITY CONTROL SUMMARY**

**CCV1 (CC106783)**

Analyte, Unit

CO, ppmvC

CH<sub>4</sub>, ppmvC

CO<sub>2</sub>, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1.67	1.92	13.20	0.25	PASS
1.98	2.02	2.17	0.04	PASS
1.86	1.57	18.55	0.29	PASS
1.92	2.03	5.42	0.11	PASS
1.79	2.03	11.74	0.24	PASS

**CCV2 (CC68431)**

Analyte, Unit

CO, ppmvC

CH<sub>4</sub>, ppmvC

CO<sub>2</sub>, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1025	1000	2.49	24.92	PASS
1018	1000	1.77	17.74	PASS
1038	1000	3.78	37.76	PASS
1030	1000	3.03	30.33	PASS
988	1000	1.20	11.97	PASS

**CCV3 (CC106783)**

Analyte, Unit

CO, ppmvC

CH<sub>4</sub>, ppmvC

CO<sub>2</sub>, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1.63	1.92	15.28	0.29	PASS
2.05	2.02	1.28	0.03	PASS
1.74	1.57	10.90	0.17	PASS
1.95	2.03	3.94	0.08	PASS
1.74	2.03	14.20	0.29	PASS

**CCV4 (CC68431)**

Analyte, Unit

CO, ppmvC

CH<sub>4</sub>, ppmvC

CO<sub>2</sub>, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
1027	1000	2.67	26.65	PASS
1019	1000	1.92	19.20	PASS
1038	1000	3.82	38.24	PASS
1031	1000	3.13	31.35	PASS
992	1000	0.81	8.11	PASS

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

- DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT

LABORATORY NO 1827507

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: HB Fire station #6 collected I.D. No. \_\_\_\_\_

Source Address: 18302 Twinford LN City: Huntington Beach

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_

Contact Person: Mark Thornberry Title: Firefighter Tel: (714) 375-8400

Analysis Requested by: Kraig Morris Date: 10/2/18

Approved by: FRED GONZALES Office: CPE Budget #: 60375

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: Mark Thornberry Date: 9/30/18 Time: 1900 hrs

**SAMPLE DESCRIPTION:**

Sample was collected near 18302 Twinford LN in Huntington Beach. The odor was a natural gas type odor with an intensity of 4 out of 5. Wind was blowing from the west direction.

**REQUESTED ANALYSIS:**

VOC ANALYSIS  
CANIDA# 54576

Relinquished by	Received by	Firm/Agency	Date	Time
Mark Thornberry	Kraig Morris	SCAQMD	<del>9/30/18</del> 10/2/18	1045
Kraig Morris	Jiliana Garcia	SCAQMD Lab	10.2.18	8:45

Remarks: