



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. 1819901-01
Requested By Kraig Morris

Rule No. R402

Sampling Location

Lifeguard #22 at Bolsa Chica
Huntington Beach, CA 92649

ST No. NA

Report Created 07/31/2018

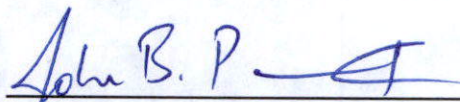
ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS, AND RESULTS

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

See attached results and sample information.

Comments: Blank subtraction performed.

Reviewed By:

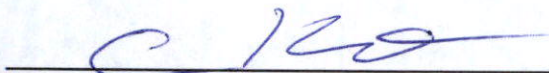


Brad Parrack
Principal A.Q. Chemist
Laboratory Services

Date Reviewed:

07/31/18

Approved By:



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

Date Approved:

8/17/18



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Laboratory No. 1819901-01

Sample Description SUMMA Canister E4308

Sample Date 07/17/2018

Received Date 07/18/2018

Analyzed Date 07/18/2018

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	405	0.1	2
Ethane, ppmvC	<1	0.2	1
NMNEOC, ppmvC	9	0.2	1



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Laboratory No. **1819901-01**

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

CCV2 (CC68431)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

CCV3 (CC106783)

Analyte, Unit

CO, ppmvC

CH₄, ppmvC

CO₂, ppmvC

Ethane, ppmvC

NMNEOC, ppmvC

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
CO, ppmvC	1.84	1.92	4.37	0.08	PASS
CH ₄ , ppmvC	1.86	2.02	8.10	0.16	PASS
CO ₂ , ppmvC	2.15	1.57	37.03	0.58	PASS
Ethane, ppmvC	1.87	2.03	7.88	0.16	PASS
NMNEOC, ppmvC	2.22	2.03	9.47	0.19	PASS
	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1023	1000	2.30	23.04	PASS
CH ₄ , ppmvC	1028	1000	2.78	27.81	PASS
CO ₂ , ppmvC	1029	1000	2.87	28.68	PASS
Ethane, ppmvC	1031	1000	3.07	30.67	PASS
NMNEOC, ppmvC	1019	1000	1.88	18.83	PASS
	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1.83	1.92	4.89	0.09	PASS
CH ₄ , ppmvC	1.92	2.02	5.14	0.10	PASS
CO ₂ , ppmvC	2.15	1.57	37.03	0.58	PASS
Ethane, ppmvC	1.93	2.03	4.93	0.10	PASS
NMNEOC, ppmvC	2.36	2.03	16.37	0.33	PASS
	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1019	1000	1.93	19.26	PASS
CH ₄ , ppmvC	1024	1000	2.43	24.35	PASS
CO ₂ , ppmvC	1029	1000	2.85	28.50	PASS
Ethane, ppmvC	1026	1000	2.60	25.99	PASS
NMNEOC, ppmvC	1010	1000	1.01	10.07	PASS

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

- DISTRICT INFORMATION
 INVOICE SOURCE
 LAP AUDIT

LABORATORY NO 1019901

TO: SCAQMD LAB: OTHER: _____
 SOURCE NAME: Lifeguard #22 at Bolsa Chica I.D. No. _____
 Source Address: Lifeguard #22 at Bolsa Chica City: Huntington Beach
 Mailing Address: DBHQ City: _____ Zip: _____
 Contact Person: Kathy Morris Title: Air Quality Inspector Tel: (909)396-3279

Analysis Requested by: Kathy Morris Date: 7/18/18
 Approved by: FRED GONZALEZ Office: C9E Budget #: 60375
 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
 Suspected Violation Rule(s) 402 Other

Sample Collected by: Kathy Morris Date: 7/17/18 Time: 1611

SAMPLE DESCRIPTION:

Collected samples near Lifeguard #22 at Bolsa Chica beach.
 Odor lasted approximately 5 minutes from 1609 to 1614 hrs.
 Intensity of odor was 2 out of 5. Odor smelled
 like natural gas and rotten eggs.

Sulfur Analysis
 Tedlar bag ID# 150595

REQUESTED ANALYSIS:

Sample can
 VOC Analysis ID# E4308

Relinquished by	Received by	Firm/Agency	Date	Time
Kathy Morris	Iliana Garcia	SCAQMD LAB	7/18/17	0835

Remarks: