



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: Rafael Reynosa
Sr. Enforcement Manager
Compliance & Enforcement

Laboratory No. 1822720-01
Requested By Eduardo Esparza

Rule No. NA

Sampling Location

Gem No.1
W. Pier D Street
Long Beach, CA 90802

ST No. NA

Report Created 08/28/2018

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS, AND RESULTS

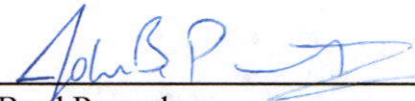
Total Gaseous Non-Methane Non-Ethane Organic Carbon by SCAQMD Method 25.1 (GC-TCA)

See attached results and sample information.

Comments: COC requested H2S analysis, however sample was in a canister and H2S analysis was not possible. TCA and PAMS analyses were assigned to provide relatability/traceability to other ambient samples.

Comments: Blank subtraction performed.

Reviewed By:




Brad Parrack
Principal A.Q. Chemist
Laboratory Services

Date Reviewed:

08/28/18

Approved By:



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

Date Approved:

8/29/18



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Laboratory No. 1822720-01

Sample Description SUMMA Canister 54579

Sample Date 08/15/2018

Received Date 08/15/2018

Analyzed Date 08/16/2018

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	5	0.2	1



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Laboratory No. 1822720-01

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
1.87	1.92	2.81	0.05	PASS
1.94	2.02	4.15	0.08	PASS
2.14	1.57	36.39	0.57	PASS
1.95	2.03	3.94	0.08	PASS
1.75	2.03	13.71	0.28	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
1022	1000	2.18	21.78	PASS
1028	1000	2.77	27.70	PASS
1030	1000	3.01	30.07	PASS
1029	1000	2.90	28.99	PASS
1009	1000	0.93	9.28	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
1.84	1.92	4.37	0.08	PASS
1.98	2.02	2.17	0.04	PASS
2.10	1.57	33.84	0.53	PASS
1.93	2.03	4.93	0.10	PASS
1.80	2.03	11.24	0.23	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
1022	1000	2.17	21.67	PASS
1027	1000	2.68	26.80	PASS
1029	1000	2.95	29.49	PASS
1028	1000	2.81	28.10	PASS
1013	1000	1.31	13.10	PASS

S/N 54579

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

DISTRICT INFORMATION
 INVOICE SOURCE
LABORATORY NO. 1922720

TO: SCAQMD LAB: OTHER: _____
SOURCE NAME: Gem No. 1 I.D. No. _____
Source Address: W. Pier D street City: Long Beach 90802
Mailing Address: _____ City: _____ Zip: _____
Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: Eduardo Esparza Date: 08/15/18
Approved by: _____ Office: C&E Budget #: 50-375
REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
Suspected Violation Rule(s) Other H₂S

Sample Collected by: Eduardo Esparza Date: 08/15/18 Time: 1005hrs

Specify the description and location where the sample was collected:
Air sample taken downwind from Gem No 1 tanker while docked at T121.

Analysis Requested: H₂S

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Eduardo Esparza</u>	<u>Iliana Garcia</u>	<u>SCAQMD LAB</u>	<u>08-15-18</u>	<u>10:17</u>

Remarks: part of offshore odors surveillance.