



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: Rafael Reynosa
Sr. Enforcement Manager
Compliance & Enforcement

Laboratory No. 1726101-01
Requested By Casey Williams

Sampling Location
Offshore odors
718 Central Ave.
Seal Beach, CA 90740

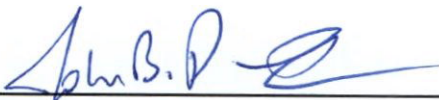
Rule No. 402
ST No. NA
Report Created 09/20/2017

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:

09/20/17

Approved By:


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

Date Approved:

9/21/17



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Laboratory No. 1726101-01
Sample Description SUMMA Canister 54657
Sample Comments Offshore odors

Sample Date 09/18/2017

Received Date 09/18/2017

Analyzed Date 09/19/2017

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

Analyte, Unit	Result	MDL	MRL
CH ₄ , ppmvC	2	0.5	1
CO ₂ , ppmvC	420	0.5	1
Ethane, ppmvC	<1	0.5	1
NMNEOC, ppmvC	8	0.5	1



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Laboratory No. **1726101-01**

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
2.03	1.92	5.51	0.11	PASS
2.05	2.02	1.28	0.03	PASS
2.04	1.57	30.02	0.47	PASS
2.03	2.03	0.00	0.00	PASS
2.40	2.03	18.34	0.37	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
1087	1036	4.88	50.60	PASS
1082	1068	1.28	13.67	PASS
1072	1022	4.87	49.80	PASS
1075	1044	2.95	30.85	PASS
1068	1024	4.27	43.69	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
2.03	1.92	5.51	0.11	PASS
1.93	2.02	4.64	0.09	PASS
1.88	1.57	19.82	0.31	PASS
2.08	2.03	2.46	0.05	PASS
2.28	2.03	12.43	0.25	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
1070	1036	3.30	34.21	PASS
1066	1068	0.16	1.68	PASS
1055	1022	3.26	33.34	PASS
1058	1044	1.30	13.56	PASS
1052	1024	2.77	28.32	PASS

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

DISTRICT
 INVOICE
 LABOR

WO #: 1726101 - 01



TO: AQMD LAB: _____ OTHER: _____
 SOURCE NAME: Unknown - offshore odors I.D. No. _____
 Source Address: _____ City: Seal Beach
 Mailing Address: _____ City: Seal Beach Zip: 90740
 Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: Casey Williams Date: 9/18/2017
 Approved by: Harold Rank Office: Long Beach Budget #: 50-375
 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
 Suspected Violation Rule(s) 402 Other

Sample Collected by: Dan Mackay (Seal Beach Fire Department) Date: 9/18/2017 Time: 1:05 pm

Specify the description and location where the sample was collected:
 -01. ^{Summa JSP} ~~Summa~~ Canaster #54657 - Alleged offshore odors collected at 1:05 pm. Sample collected near flagpole at 718 Central Ave., Seal Beach
 -02. ~~1 Litter Tedlar Sample bag #1 - Alleged offshore odors collected at 1:08 pm. Sample collected near flagpole at 718 Central Ave., Seal Beach. Serial # AX3233 9/18/17~~
 Petrom chem/Sulfur odors

Relinquished by	Received by	Firm/Agency	Date	Time
Dan Mackay (Seal Beach F.P.)	Casey Williams	SCAQMD	9/18/2017	2:00 pm
Casey Williams	Harold Rank	SCAQMD	9/18/2017	3:32 pm
Harold Rank	John B. P.	Laboratory (AQMD)	9/18/2017	4:57 pm

Remarks: Please send analysis results to Rafael Reynosa (rreynosa@aqmd.gov), and Casey Williams (cwilliams@aqmd.gov)