

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS

Page 1 of 2

TO Rafael Reynosa, Senior Enforcement Manager  
Compliance & Enforcement

LABORATORY NO. 1726101-02

FACILITY ID NA

SAMPLE(S) DESCRIBED AS

1 Tedlar Bag  
NX3233

DATE RECEIVED 9/18/17

PROJECT/ ST NO/ RULE 402

SAMPLING LOCATION

Offshore odors  
718 Central Ave.  
Seal Beach, CA 90740

REQUESTED BY Casey Williams

DATE ANALYZED 9/19/17

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ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

Total Reduced Sulfur (TRS) by SCAQMD Method 307-91  
Hydrogen Sulfide by Jerome Handheld Analyzer OAG QA0007


	Result
Hydrogen sulfide	20 ppb <sup>1</sup>
Carbonyl sulfide/SO <sub>2</sub>	< 1 ppb <sup>2</sup>
Total Reduced Sulfur	20 ppb

Hydrogen sulfide value determined within 24 hours of sample collection; other values determined outside of 24 hour analysis window and are provided for information only.


<sup>1</sup> Determined using Jerome H<sub>2</sub>S Analyzer

<sup>2</sup> Calibrated using carbonyl sulfide

Date Reviewed: 09/20/17

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

Date Approved: 9/21/17

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

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1 Tedlar Bag  
 NX3233

**LABORATORY NO.**

1726101-02

**REQUESTED BY**

Casey Williams

**Total Reduced Sulfur (TRS) by SCAQMD Method 307-91**  
**Quality Control Tests and Results Matrix**

<b>Calibration Drift (ppb)</b>				<b>Lab Air Blank (ppb)</b>	
	<b>Prepared</b>	<b>Measured</b>	<b>% Recovery</b>		<b>Measured</b>
Hydrogen Sulfide <sup>1</sup>	20	21	105.0	Carbonyl Sulfide/SO2	< 1 ppb
Carbonyl Sulfide	5.0	5.9	117.6	Methyl Mercaptan	< 1 ppb <sup>2</sup>
Dimethyl Sulfide	5.0	6.8	135.2	Ethyl Mercaptan	< 1 ppb <sup>2</sup>
				Isopropyl Mercaptan	< 1 ppb <sup>2</sup>
				1-Propanethiol	< 1 ppb <sup>2</sup>
<b>N2 Bag Blank (ppb)</b>					
					<b>Measured</b>
				Unknown	< 1 ppb <sup>2</sup>
				Carbonyl Sulfide/SO2	1 ppb
				Methyl Mercaptan	< 1 ppb <sup>2</sup>
				Ethyl Mercaptan	< 1 ppb <sup>2</sup>
				Unknown	< 1 ppb <sup>2</sup>
				Isopropyl Mercaptan	< 1 ppb <sup>2</sup>

<sup>1</sup> Determined using Jerome H<sub>2</sub>S Analyzer

<sup>2</sup> Calibrated using carbonyl sulfide



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

WO #: 1726101 -02

DISTRICT  
 INVOICE  
 LABORATORY



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:

- ~~Summa 388  
Summa Canister #54657 - Alleged offshore odors collected at 1:05 pm. Sample collected near flagpole at 718 Central Ave., Seal Beach~~
- 02. 1 Litter Tedlar Smaple bag #1 - Alleged offshore odors collected at 1:08 pm. Sample collected near flagpole at 718 Central Ave., Seal Beach Serial # NX3233 <sup>388</sup> <sub>9/18/17</sub>  
 Petrom chem/Sulfur odors

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

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