



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

**MONITORING AND ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

(Page 1 of 2)

**To:** Rafael Reynosa  
Sr. Enforcement Manager  
Compliance & Enforcement

**Laboratory No.** 2128204-01  
**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Dominguez Channel  
Access Bridge Near Avalon Blvd.  
Carson, CA 90745

**ST No.** NA

**Report Created** 10/11/2021

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

**Sulfur by SCAQMD Method 307**

**See attached results and sample information.**

**Note: The samples were analyzed by a contract laboratory - Quantum Analytical Services, Inc.**

**Reviewed By:** \_\_\_\_\_

Brad Parrack  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:** \_\_\_\_\_

**Approved By:** \_\_\_\_\_

Angela Haar, Ph.D.  
WOC Senior Manager  
Laboratory Services  
(909) 396-2518

**Date Approved:** \_\_\_\_\_



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
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REPORT OF LABORATORY ANALYSIS**

(Page 2 of 2)

**Laboratory No.** 2128204-01

**Sample Description** Grab, Tedlar Bag - Bag 4, 33.84137, -118.26461

**Sample Date** 10/08/2021

**Received Date** 10/08/2021

**Analyzed Date** 10/08/2021

**Sulfur by SCAQMD Method 307**

<b>Analyte, Unit</b>	<b>Result</b>	<b>Dilution</b>	<b>MDL</b>	<b>MRL</b>
Hydrogen Sulfide, ppbv	7300	1	20	-
Carbonyl Sulfide, ppbv	ND	1	20	-
Methyl Mercaptan, ppbv	ND	1	20	-
Ethyl Mercaptan, ppbv	ND	1	20	-
Unidentified Sulfur Compounds, ppbv	ND	1	20	-
Total Reduced Sulfur as Hydrogen Sulfide, ppbv	7300	1	20	-

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**CLIENT** **SCAQMD**  
**PROJECT NAME:** **Dominguez Channel**  
**LABORATORY NO:** **21-915**  
**SAMPLING DATE:** 10/08/21  
**RECEIVING DATE:** 10/08/21  
**ANALYSIS DATE:** 10/08/21  
**REPORT DATE:** 10/08/21

### Laboratory Analysis Report

Analysis Method	SCAQMD 307-91				
Detection Limits	0.02 PPMV				
Analyte	Client ID	Tedlar Bag 1 N33 50.442 W11815.784	Tedlar Bag 2 33.244672, 118.4244409	Tedlar Bag 3 33.8063257, 118.2275750	Tedlar Bag 4 38.84137, 11826461
	Sampling Date	10/08/21	10/08/21	10/08/21	10/8/2021
	Sampling Time	1133	1246	1335	1350
	Lab ID	28121-8	28121-9	28121-10	28121-11
	Units	PPMV	PPMV	PPMV	PPMV
Hydrogen Sulfide	0.141	0.212	0.166	7.300	
Carbonyl Sulfide	<0.02	<0.02	<0.02	<0.02	
Methyl Mercaptan	<0.02	<0.02	<0.02	<0.02	
Ethyl Mercaptan	<0.02	<0.02	<0.02	<0.02	
Un-Identified S Compounds	<0.02	<0.02	<0.02	<0.02	
<b>TRS as H2S</b>	<b>0.141</b>	<b>0.212</b>	<b>0.166</b>	<b>7.300</b>	

TRS: Total Reduced Sulfur as Hydrogen Sulfide



Dr. Andrew Kitto  
President

**CLIENT** SCAQMD  
**PROJECT NO:** Dominguez Channel  
**LABORATORY NO:** 21-915  
**SAMPLING DATE:** 10/08/21  
**RECEIVING DATE:** 10/08/21  
**ANALYSIS DATE:** 10/08/21  
**REPORT DATE:** 10/08/21

**Quality Assurance Report**

**Sample ID: Tedlar Bag 2 33.244672, 118.4244409**

**Lab ID: 28121-9**

Analysis Method		SCAQMD 307-91		
Detection Limit		20 PPBV		
Analyte	Aver. Conc. PPMV	Dil. Factor Ambient Air	DF*A/CF PPMV	% Sample† Recovery
Hydrogen Sulfide	0.212	1.0	0.212	100.0
Carbonyl Sulfide	<0.02	1.0	<0.02	N/A
Methyl Mercaptan	<0.02	1.0	<0.02	N/A
Ethyl Mercaptan	<0.02	1.0	<0.02	N/A
Unidentified S Compounds	<0.02	1.0	<0.02	N/A
TRS as H2S	<b>0.212</b>	<b>1.0</b>	<b>0.212</b>	100.0

NA: Not Applicable

†Must be ±10%

**Sample ID: Tedlar Bag 4 38.84137, 11826461**

**Lab ID: 28121-11**

Analysis Method		SCAQMD 307-91		
Detection Limit		20 PPBV		
Analyte	Aver. Conc. PPMV	Dil. Factor Ambient Air	DF*A/CF PPMV	% Sample† Recovery
Hydrogen Sulfide	7.431	1.0	7.561	101.8
Carbonyl Sulfide	<0.02	1.0	<0.02	N/A
Methyl Mercaptan	<0.02	1.0	<0.02	N/A
Ethyl Mercaptan	<0.02	1.0	<0.02	N/A
Unidentified S Compounds	<0.02	1.0	<0.02	N/A
TRS as H2S	<b>7.431</b>	<b>1.0</b>	<b>7.561</b>	101.8



Dr. Andrew Kitto  
President

#4

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
SAMPLE ANALYSIS REQUEST

DISTRICT INFORMATION  
 INVOICE SOURCE  
LABORATORY NO.

TO: SCAQMD LAB: X      OTHER:

SOURCE NAME: \_\_\_\_\_ I.D. No. \_\_\_\_\_

Source Address: \_\_\_\_\_ City: \_\_\_\_\_

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

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Office: Compliance      Budget #: 50-375

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

Suspected Violation  Rule(s) \_\_\_\_\_ Other \_\_\_\_\_

Sample Collected by: Phillip Chen      Date: 10/08/21      Time: 13:50

Specify the description and location where the sample was collected:

338 84137 - 11826461

Additional field notes from Inspector Chen - Sample collected over flap gates of bridgeway. Weather conditions: 68 F, wind speed 7 MPH from WNW. Tedlar bag transferred to Jeremy Huff @ 14:00. Inspector Chen confirms sample was collected @ 33.84137, -118.26461.

Analysis Requested: METHOD 307-91

Relinquished by	Received by	Firm/Agency	Date	Time
J. Huff	John L. Gardner	SCAQMD	10/08/21	1705
<del>John L. Gardner</del>	<del>John L. Gardner</del>	Quantum Analytical	10/08/21	1725

Remarks: Original COC remains with Quantum Analytical following sample delivery. Additional notes added 10/12/21.