



**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. 2128203-01
Requested By Sumner Wilson

Rule No. NA

Sampling Location

Dominguez Channel
NE side of the Sepulveda Bridge [field note]
Carson, CA 90744

ST No. NA

Report Created 10/11/2021

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: _____



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(Page 2 of 2)

Laboratory No. 2128203-01
Sample Description Grab, Tedlar Bag - Bag 3, 33.8063257, -118.2275750

Sample Date 10/08/2021 **Received Date 10/08/2021** **Analyzed Date 10/08/2021**

Sulfur by SCAQMD Method 307

Analyte, Unit	Result	Dilution	MDL	MRL
Hydrogen Sulfide, ppbv	166	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	166	1	20	-

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	
TRS as H2S	0.141	0.212	0.166	7.300	

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	0.212	1.0	0.212	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	7.431	1.0	7.561	101.8



Dr. Andrew Kitto
President

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DISTRICT INFORMATION
 INVOICE SOURCE
LABORATORY NO. _____

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

TO: SCAQMD LAB: 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: Jerleth Greeney Date: 10/08/21 Time: 13:35

Specify the description and location where the sample was collected:

33.8063257, -118.2275750

Analysis Requested: ~~1. Speciate hydrocarbons.~~ ³
2. Determine concentrations of sulfur compounds to include H2S and mercaptans.
307-91

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Jerleth Greeney</u>	<u>John Lockwood</u>	<u>Petroleum</u>	<u>10/08/21</u>	<u>1705</u>
<u>John Lockwood</u>	<u>[Signature]</u>	<u>Quantum Analy</u>	<u>10/08/</u>	<u>1725</u>

Remarks:

CHAIN OF CUSTODY

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① TEDLAR BAG SAMPLE

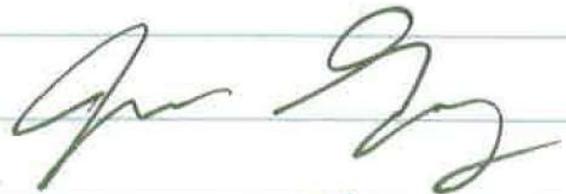
LOCATION: NORTHEAST SIDE OF THE SEPULVEDA
BRIDGE OVER THE DOMINGUEZ CHANNEL
(33.8063257, -118.2275750)

TIME: 10/8/21 13:35 HOURS

DETAILS: JEROME H₂S ANALYZER READINGS
IN THE AREA WERE UP TO 0.21 PP

SAMPLE TAKEN BY: JARLATH GREANEY
(COMPLIANCE & ENFORCEMENT, ENERGY
TEAM) 909-470-0365

10/8/21



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