

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

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

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TO Victor Yip
Sr. Enforcement Manager
Compliance & Enforcement

LABORATORY NO. 1827603-01

FACILITY ID N/A

SAMPLE(S) DESCRIBED AS
VeriAir Flex Tedlar Bag
#NX3298

DATE RECEIVED 10/3/18

PROJECT/ ST NO/ RULE 402

SAMPLING LOCATION
Huntington Beach Fire Station #7
3831 Warner Ave.
Huntington Beach, CA 92649

REQUESTED BY Kraig Morris

DATE ANALYZED 10/3/18

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS
Total Reduced Sulfur (TRS) by SCAQMD Method 307-91

	Result (ppb)
Hydrogen Sulfide	155
Carbonyl Sulfide	< 1
Dimethyl Sulfide	< 1
Unknown*	< 1
(*As Carbonyl Sulfide)	
Total Reduced Sulfur	155

NOTES: Sample was received and analyzed outside of 24 HR hold time.
Hydrogen sulfide concentration exceeds calibration curve. Result is a semi-quantified estimate.

Date Reviewed: 10/09/18 Reviewed By: John B. Parrack
Brad Parrack, Principal A.Q. Chemist
Laboratory Services

Date Approved: 10/10/18 Approved By: Aaron Katzenstein
Aaron Katzenstein, Ph.D., Senior Manager
Laboratory Services
(909) 396-2219

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LABORATORY NO. 1827603-01

REQUESTED BY Kraig Morris

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

Calibration Drift (ppb)				Lab Air Blank (ppb)	
	Prepared	Measured	% Recovery		Measured
Hydrogen Sulfide	29.1	26.8	92.2	Hydrogen Sulfide	< 10 ¹
Carbonyl Sulfide	33.0	29.4	89.0	Carbonyl Sulfide	< 1
Dimethyl Sulfide	29.1	25.9	89.0	Dimethyl Sulfide	< 1
				Unknown	< 1 ²

Calibration Control (ppb)				N2 Bag Blank (ppb)	
	Prepared	Measured	% Recovery		Measured
Hydrogen Sulfide	4.9	0.0 ³	0.0 ³	Hydrogen Sulfide	< 10 ¹
Carbonyl Sulfide	5.5	4.2	77.1	Carbonyl Sulfide/SO2	< 1
Dimethyl Sulfide	4.9	3.6	74.6	Dimethyl Sulfide	< 1
				Unknown	< 1 ²

¹MDL estimated visually from chromatogram and 30 ppb standard area counts.

²Calibrated using carbonyl sulfide.

³Hydrogen sulfide response insensitivity at low concentration likely due to age of condensing trap in concentrator.

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

DISTRICT INFORMATION
 INVOICE SOURCE
 LAP AUDIT

LABORATORY NO 1827603 ✓

TO: SCAQMD LAB: OTHER:

SOURCE NAME: Huntington Beach Fire Station #7 I.D. No. _____

Source Address: 3831 Warner Ave City: Huntington Beach

Mailing Address: _____ City: _____ Zip: 92649

Contact Person: _____ Title: _____ Tel: (714) 536-5928

Analysis Requested by: Kraig Morris Date: 10/3/18

Approved by: Fred Gonzalez Office: C&E Budget #: 60375

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: Huntington Beach Date: 9/29/18 Time: 1500
Fire station #7

SAMPLE DESCRIPTION:

Sample was collected by HB Fire station #7 during a series of complaints that the HB Fire station 7 and SCAQMD received around the 1445-1500 hrs in Huntington Beach.

REQUESTED ANALYSIS:

Sulfur Analysis
 Tellurides
 NX3298

Relinquished by	Received by	Firm/Agency	Date	Time
<u>HB Fire station #7</u>	<u>Kraig Morris</u>	<u>SCAQMD</u>	<u>10/2/18</u>	<u>1250</u>
<u>Kraig Morris</u>	<u>Jliana Garcia</u>	<u>SCAQMD Lab</u>	<u>10.3.18</u>	<u>10:50</u>

Remarks:

BATCH NO: B18J026