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

MONITORING & ANALYSIS REPORT OF LABORATORY ANALYSIS

Page 1 of 2

ow	LABORATORY NO.	1616935-01
heric Measurements Manager		
and Technology Advancement	FACILITY ID_	NA
CRIBED AS	DATE RECEIVED	6/17/16
ed Sample		
Bag 061716-01	PROJECT/ ST NO/ RULE_	402
CATION	REQUESTED BY	Sumner Wilson
ds Community Center		
	DATE ANALYZED_	6/17/16
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	heric Measurements Manager and Technology Advancement CRIBED AS ed Sample Bag 061716-01 CATION ds Community Center	heric Measurements Manager and Technology Advancement CRIBED AS Ed Sample Bag 061716-01 CATION ds Community Center FACILITY ID PROJECT/ ST NO/ RULE REQUESTED BY

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

	Result
t-Butyl mercaptan	< 1 ppb ¹
Tetrahydrothiophene (THT)	< 1 ppb ¹
Carbonyl sulfide/SO2	29 ppb ^{1, 2}
Unknown	23 ppb ^{1, 2}
Total Reduced Sulfur	51 ppb ^{1, 2}

¹ Calibrated using methyl mercaptan

Date Approved: 6/29/16

Approved By:

Solomon Teffera, Acting Senior Manager

Laboratory Services (909) 396-2199

² Sampler filled bag to < 2 Liters instead of the specified 8 L; pumps contribute contaminant peaks at 2.2 minutes (COS/SO2) and 8.1 minutes (unknown) that are more pronounced when less sample is collected. Pump contaminants are also more pronounced when the pump is not flushed for long periods of time. An example of this behavior is included on page 2 of this report where the pump used to prepare bag blanks was used to fill a bag without pre-flushing. Total reduced sulfur is <1 ppb if these likely contaminants are discounted. Further testing in the field to be conducted to determine source of peaks.</p>

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SAMPLE(S) DESCRIBED AS

1 Triggered Tedlar Bag

LABORATORY NO. 1616935-01

REQUESTED BY Sumner Wilson

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

		Control (pr	ob)		Lab Air Blank (ppb)
	Prepared	Measured	% Recovery		Measured
Methyl Mercaptan	1.01	0.76	75.6	Carbonyl Sulfide/SO2	0.7 1
Ethyl Mercaptan	1.04	0.84	80.8	Methyl Mercaptan	< 1
Isopropyl Mercaptan	1.04	0.92	88.9	Ethyl Mercaptan	< 1
1-Propanethiol	1.03	0.90	87.4	Isopropyl Mercaptan	< 1
				1-Propanethiol	< 1
	Cali	hustian Duit	ft (nnh)		N2 Dog Block (anh)
		bration Dri	'A A '		N2 Bag Blank (ppb)
	Prepared	Measured	% Recovery		Measured
Methyl Mercaptan	30.15	25.2	83.6	Methyl Mercaptan	< 1
Ethyl Mercaptan	31.20	24.74	79.3	Ethyl Mercaptan	< 1
Isopropyl Mercaptan	31.05	25.48	82.1	Isopropyl Mercaptan	< 1
1-Propanethiol	30.90	24.53	79.4	1-Propanethiol	< 1

Measured

Unflushed pump (ppb)

Unknown	2.3	23 1
Unknown	8.1	2 1

Retention Time

¹ Calibrated using methyl mercaptan

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SAMPLE ANALYSIS REQUEST

X	DISTR
	INVOI
	LAP A
LA	BOR



		R· 🗀		
		lifornia Gas Co.	D No	
Source Address: 1280	0.4 50	City:		nn ah
		City:	7in	ancn 01226
Contact Person:				
Analysis Requested by:	Sumner	Wilson Date:	6 12/34	15 16 12
Approved by:J	ason Low C	Office:	Budget #:	44716
REASON REQUESTED:	Court/Hearing Board Rule(s)	Permit Pending	Hazardous/To	
Sample Collected by:		Date: _6/17//6		//wam
City/Location	Bag#	ANALYSIS: Sulfur Analys Start day	is Time	Duration
Highlands Commun	uity 061716-01	6/17/16	7.46am	
		191		
		3***		
				The state of the s
Relinquished by	Received	by Firm/Agenc		Time
Relinquished by	Received	SCAQMD La		Time 1:20pm