

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

MONITORING AND ANALYSIS REPORT OF LABORATORY ANALYSIS

(Page 1 of 3)

To: Rafael Reynosa

Sr. Enforcement Manager

Compliance & Enforcement

Laboratory No.

1822720-01

Requested By

Eduardo Esparza

Rule No.

NA

Sampling Location

Gem No.1 W. Pier D Street

Long Beach, CA 90802

ST No.

NA

Report Created

08/28/2018

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS, AND RESULTS

Total Gaseous Non-Methane Non-Ethane Organic Carbon by SCAQMD Method 25.1 (GC-TCA)

See attached results and sample information.

Comments: COC requested H2S analysis, however sample was in a canister and H2S analysis was not possible. TCA and PAMS analyses were assigned to provide relatability/traceability to other ambient samples.

Comments: Blank subtraction performed.

Reviewed By:

Brad Parrack

Principal A.Q. Chemist Laboratory Services

Approved By:

Aaron Katzenstein, Ph.D.

Senior Manager Laboratory Services (909) 396-2219

Date Reviewed: 08/28/18

Date Approved: 8/29/17



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Laboratory No.

1822720-01

Sample Description

SUMMA Canister 54579

Sample Date 08/15/2018

Received Date 08/15/2018

Analyzed Date 08/16/2018

Total Gaseous Non-Methane Non-Ethane Organic Carbon by SCAQMD Method 25.1 (GC-TCA)

Analyte, Unit	Result	MDL	MRL
CH4, ppmvC	2	0.2	1
CO2, ppmvC	405	0.1	2
Ethane, ppmvC	<1	0.2	1
NMNEOC, ppmvC	5	0.2	1



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Laboratory No.

1822720-01

Total Gaseous Non-Methane Non-Ethane Organic Carbon by SCAQMD Method 25.1 (GC-TCA)

QUALITY CONTROL SUMMARY

CCV1 (CC106783) Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1.87	1.92	2.81	0.05	PASS
CH4, ppmvC	1.94	2.02	4.15	0.08	PASS
CO2, ppmvC	2.14	1.57	36.39	0.57	PASS
Ethane, ppmvC	1.95	2.03	3.94	0.08	PASS
NMNEOC, ppmvC	1.75	2.03	13.71	0.28	PASS
CCV2 (CC68431) Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1022	1000	2.18	21.78	PASS
CH4, ppmvC	1028	1000	2.77	27.70	PASS
CO2, ppmvC	1030	1000	3.01	30.07	PASS
Ethane, ppmvC	1029	1000	2.90	28.99	PASS
NMNEOC, ppmvC	1009	1000	0.93	9.28	PASS
CCV3 (CC106783) Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1.84	1.92	4.37	0.08	PASS
CH4, ppmvC	1.98	2.02	2.17	0.04	PASS
CO2, ppmvC	2.10	1.57	33.84	0.53	PASS
Ethane, ppmvC	1.93	2.03	4.93	0.10	PASS
NMNEOC, ppmvC	1.80	2.03	11.24	0.23	PASS
CCV4 (CC68431) Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1022	1000	2.17	21.67	PASS
CH4, ppmvC	1027	1000	2.68	26.80	PASS
CO2, ppmvC	1029	1000	2.95	29.49	PASS
Ethane, ppmvC	1028	1000	2.81	28.10	PASS

S/N 54579

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SAMPLE ANALYSIS REQUEST

X	DISTRICT INFORMATION
	INVOICE SOURCE
I.A	BORATORY NO. 1922720

SOURCE NAME: Gen No. 1 Source Address: U. Rer D Street City: Long Beach 90803 Mailing Address: City: Long Beach 90803 Mailing Address: City: Zip: Contact Person: Title: Tel: Analysis Requested by: Edvardo Exparta Date: 08/15/18 Approved by: Office: Ct Budget #: 50-375 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill Suspected Violation Rule(s) Other At S Sample Collected by: Edvardo Exparta Date: 08/15/18 Time: 1005 hrs Specify the description and location where the sample was collected: Air Sample taken downwind from Gem No 1 tanker while docked at T(21, Analysis Requested T25 Relinquished by Received by Firm/Agency Date Time Edvardo Exparta Iliana Garria SCAQMD Lab 08-15-19 19:17		AB: 💢	OTHER:				
Mailing Address: City: Zip: Contact Person: Title: Tel: Analysis Requested by: Approved by: Office: Of	SOURCE NAME:	Gem No. 1				I.D. No.	
Analysis Requested by: Edvardo Esparza Date: 08/15/18 Approved by: Office: At Budget #: 50-375 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill Suspected Violation Rule(s) Other Hazardous/Toxic Spill Suspected Violation Rule(s) Date: 08/15/18 Time: 1005 hrs Sample Collected by: Edvardo Esparza Date: 08/15/18 Time: 1005 hrs Specify the description and location where the sample was collected: Air Sample taken downwind from Gem No 1 tanker while docked at T121, Analysis Requested: T25 Relinquished by Received by Firm/Agency Date Time	Source Address:	U. Pier D Str	et	*****	City:	Long Beach	90802
Analysis Requested by: Edvardo Esparza Date: 08/15/18 Approved by: Office: C#E Budget #: 50-375 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill Suspected Violation Rule(s) Other MSS Sample Collected by: Edvardo Esparza Date: 08/15/18 Time: 1005 hrs Specify the description and location where the sample was collected: Air Sample taken downwind from Gem No 1 tanker while docked at T121, Analysis Requested: HZS Relinquished by Received by Firm/Agency Date Time	Mailing Address:			City:		Zip:	
Approved by: REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill Suspected Violation Rule(s) Suspected Violation Rule(s) Sample Collected by: Educato Esparza Date: 08/15/18 Time: 1005 hrs Specify the description and location where the sample was collected: Air Sample taken downwind from Gem No 1 tanker while docked at T121, Analysis Requested: H25 Relinquished by Received by Firm/Agency Date Time	Contact Person:		Titl	e:		Tel:	
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Suspected Violation Rule(s) Sample Collected by: Edvardo Esparza Date: 08/15/18 Time: 1005 hrs Specify the description and location where the sample was collected: Air Sample taken downwind from Gem No I tanker while docked at T121, Analysis Requested: HzS Relinquished by Received by Firm/Agency Date Time	Approved by:		Office:	CRE	-	Budget #: 5	0-375
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Specify the description and location where the sample was collected: Air Sample taken downwind from Gem No I tanker while docked at T121, Analysis Requested: H25 Relinquished by Received by Firm/Agency Date Time						522	
Eduardo Esparza Iliana Garcia SCAQMD Lab 08.15.18 10:17	docked at	T121,	nwind fro	m Gem N	10 1	tanker whil	e
	docked at Analysis Requested:	T121,					
	Analysis Requested: Relinquished	HZS by Rec	eived by	Firm/Ag	ency	Date	Time
	Analysis Requested: Relinquished	HZS by Rec	eived by	Firm/Ag	ency	Date	Time