



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

**MONITORING AND ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

(Page 1 of 6)

**To:** Andrea Polidori, Ph.D.  
Atmospheric Measurements Manager  
Advanced Monitoring Technologies

**Laboratory No.** 2024012-01 to -02

**Requested By** Payam Pakbin

**Rule No.** NA

**Sampling Location**

Facility ID 800193  
DWP Valley Generating Station  
11801 Sheldon Street  
Sun Valley, CA 91352

**ST No.** NA

**Report Created** 09/02/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:** Stephen Dutz Digitally signed by Stephen Dutz  
Date: 2020.09.02 16:43:49 -07'00'

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

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

**Approved By:** Aaron Katzenstein Digitally signed by Aaron  
Katzenstein  
Date: 2020.09.02 20:53:38 -07'00'

Aaron Katzenstein, Ph.D.  
Senior Manager  
Laboratory Services  
(909) 396-2219

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



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 2 of 6)

**Laboratory No.** 2024012-01  
**Sample Description** Grab, SILCO Canister 53474  
**Sample Comments** NE of Compressor House (housed compressors A & B)  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Total NMOC, ppbC	4100	1.0	3.0	100-700
Total Calibrated, ppbC	4000	1.0	3.0	
Ethane, ppbv	1700 (EH)	0.5	1.5	
Ethylene, ppbv	1.1	0.5	1.5	0.7-4.1
Acetylene, ppbv	1.0	0.5	1.5	
Propane, ppbv	120 (EH)	0.3	1.0	0.4-5.0
Propylene, ppbv	ND	0.3	1.0	0.2-0.7
Isobutane, ppbv	12	0.2	0.8	0.2-0.9
n-Butane, ppbv	16	0.2	0.8	0.3-1.7
1-Butene, ppbv	ND	0.2	0.8	0.1-0.3
trans-2-Butene, ppbv	ND	0.2	0.8	
cis-2-Butene, ppbv	ND	0.2	0.8	
Isopentane, ppbv	9.0	0.2	0.6	
1-Pentene, ppbv	ND	0.2	0.6	
n-Pentane, ppbv	3.9	0.2	0.6	0.1-0.6
Isoprene, ppbv	ND	0.2	0.6	
trans-2-Pentene, ppbv	ND	0.2	0.6	
cis-2-Pentene, ppbv	ND	0.2	0.6	
2,2-Dimethylbutane, ppbv	0.2	0.2	0.5	
Cyclopentane, ppbv	0.3	0.2	0.6	
2,3-Dimethylbutane, ppbv	0.3	0.2	0.5	
2-Methylpentane, ppbv	1.3	0.2	0.5	
3-Methylpentane, ppbv	0.6	0.2	0.5	
1-Hexene, ppbv	ND	0.2	0.5	<0.1-0.1
n-Hexane, ppbv	1.2	0.2	0.5	0.1-0.2
Methylcyclopentane, ppbv	0.7	0.2	0.5	
2,4-Dimethylpentane, ppbv	0.1	0.1	0.4	
Benzene, ppbv	0.4	0.2	0.5	0.1-0.5
Cyclohexane, ppbv	0.6	0.2	0.5	
2-Methylhexane, ppbv	0.3	0.1	0.4	
2,3-Dimethylpentane, ppbv	0.2	0.1	0.4	



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**21865 Copley Dr., Diamond Bar, CA 91765-4182**

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

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**Laboratory No.** 2024012-01 - continued  
**Sample Description** Grab, SILCO Canister 53474  
**Sample Comments** NE of Compressor House (housed compressors A & B)  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
3-Methylhexane, ppbv	0.3	0.1	0.4	
2,2,4-Trimethylpentane, ppbv	0.2	0.1	0.4	
n-Heptane, ppbv	0.4	0.1	0.4	0.1-0.2
Methylcyclohexane, ppbv	0.8	0.1	0.4	
2,3,4-Trimethylpentane, ppbv	ND	0.1	0.4	
Toluene, ppbv	0.6	0.1	0.4	0.1-0.6
2-Methylheptane, ppbv	0.1	0.1	0.4	
3-Methylheptane, ppbv	ND	0.1	0.4	
n-Octane, ppbv	0.2	0.1	0.4	<0.1-0.3
Ethylbenzene, ppbv	ND	0.1	0.4	0.1-0.2
m+p-Xylene, ppbv	0.2	0.1	0.4	0.1-0.2
Styrene, ppbv	ND	0.1	0.4	<0.1-0.2
o-Xylene, ppbv	ND	0.1	0.4	0.1-0.2
n-Nonane, ppbv	ND	0.1	0.3	<0.1-0.1
Isopropylbenzene, ppbv	ND	0.1	0.3	
n-Propylbenzene, ppbv	ND	0.1	0.3	
m-Ethyltoluene, ppbv	ND	0.1	0.3	
p-Ethyltoluene, ppbv	ND	0.1	0.3	
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.3	
o-Ethyltoluene, ppbv	ND	0.1	0.3	
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.3	
n-Decane, ppbv	ND	0.1	0.3	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	ND	0.1	0.3	
m-Diethylbenzene, ppbv	ND	0.1	0.3	
p-Diethylbenzene, ppbv	ND	0.1	0.3	
n-Undecane, ppbv	ND	0.09	0.3	<0.1
n-Dodecane, ppbv	0.1	0.08	0.2	<0.1

\* J = Value is between method detection and reporting limits.

EH = Estimated; Exceeds Upper Range



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

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**Laboratory No.** 2024012-02  
**Sample Description** Grab, SILCO Canister E4297  
**Sample Comments** NE of Compressor House (housed compressors A & B) - Duplicate sample  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Total NMOC, ppbC	750	0.2	0.6	100-700
Total Calibrated, ppbC	700	0.2	0.6	
Ethane, ppbv	270 (EH)	0.1	0.3	
Ethylene, ppbv	1.2	0.1	0.3	0.7-4.1
Acetylene, ppbv	1.1	0.1	0.3	
Propane, ppbv	21 (EH)	0.07	0.2	0.4-5.0
Propylene, ppbv	0.1	0.07	0.2	0.2-0.7
Isobutane, ppbv	2.1	0.05	0.2	0.2-0.9
n-Butane, ppbv	3.0	0.05	0.2	0.3-1.7
1-Butene, ppbv	ND	0.05	0.2	0.1-0.3
trans-2-Butene, ppbv	0.05	0.05	0.2	
cis-2-Butene, ppbv	ND	0.05	0.2	
Isopentane, ppbv	6.8	0.04	0.1	
1-Pentene, ppbv	0.04	0.04	0.1	
n-Pentane, ppbv	1.0	0.04	0.1	0.1-0.6
Isoprene, ppbv	0.1	0.04	0.1	
trans-2-Pentene, ppbv	ND	0.04	0.1	
cis-2-Pentene, ppbv	ND	0.04	0.1	
2,2-Dimethylbutane, ppbv	0.06	0.03	0.1	
Cyclopentane, ppbv	0.09	0.04	0.1	
2,3-Dimethylbutane, ppbv	0.1	0.03	0.1	
2-Methylpentane, ppbv	0.5	0.03	0.1	
3-Methylpentane, ppbv	0.2	0.03	0.1	
1-Hexene, ppbv	ND	0.03	0.1	<0.1-0.1
n-Hexane, ppbv	0.3	0.03	0.1	0.1-0.2
Methylcyclopentane, ppbv	0.2	0.03	0.1	
2,4-Dimethylpentane, ppbv	0.09	0.03	0.09	
Benzene, ppbv	0.3	0.03	0.1	0.1-0.5
Cyclohexane, ppbv	0.1	0.03	0.1	
2-Methylhexane, ppbv	0.1	0.03	0.09	
2,3-Dimethylpentane, ppbv	0.1	0.03	0.09	



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**21865 Copley Dr., Diamond Bar, CA 91765-4182**

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

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**Laboratory No.** 2024012-02 - continued  
**Sample Description** Grab, SILCO Canister E4297  
**Sample Comments** NE of Compressor House (housed compressors A & B) - Duplicate sample  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
3-Methylhexane, ppbv	0.2	0.03	0.09	
2,2,4-Trimethylpentane, ppbv	0.2 (LK)	0.02	0.08	
n-Heptane, ppbv	0.2	0.03	0.09	0.1-0.2
Methylcyclohexane, ppbv	0.2	0.03	0.09	
2,3,4-Trimethylpentane, ppbv	0.05	0.02	0.08	
Toluene, ppbv	0.5	0.03	0.09	0.1-0.6
2-Methylheptane, ppbv	0.04	0.02	0.08	
3-Methylheptane, ppbv	0.03	0.02	0.08	
n-Octane, ppbv	0.05	0.02	0.08	<0.1-0.3
Ethylbenzene, ppbv	0.05	0.02	0.08	0.1-0.2
m+p-Xylene, ppbv	0.1	0.02	0.08	0.1-0.2
Styrene, ppbv	0.02	0.02	0.08	<0.1-0.2
o-Xylene, ppbv	0.05	0.02	0.08	0.1-0.2
n-Nonane, ppbv	0.03	0.02	0.07	<0.1-0.1
Isopropylbenzene, ppbv	ND	0.02	0.07	
n-Propylbenzene, ppbv	ND	0.02	0.07	
m-Ethyltoluene, ppbv	0.03	0.02	0.07	
p-Ethyltoluene, ppbv	ND	0.02	0.07	
1,3,5-Trimethylbenzene, ppbv	ND	0.02	0.07	
o-Ethyltoluene, ppbv	ND	0.02	0.07	
1,2,4-Trimethylbenzene, ppbv	0.06	0.02	0.07	
n-Decane, ppbv	0.03	0.02	0.06	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	0.02	0.02	0.07	
m-Diethylbenzene, ppbv	ND	0.02	0.06	
p-Diethylbenzene, ppbv	ND	0.02	0.06	
n-Undecane, ppbv	0.04	0.02	0.05	<0.1
n-Dodecane, ppbv	0.02	0.02	0.05	<0.1

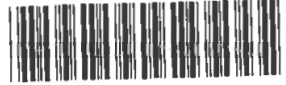
\* J = Value is between method detection and reporting limits.

*EH = Estimated; Exceeds Upper Range, LK = Analyte Identified; Reported Value May Be Biased High*

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

DISTRICT INFORMATION  
 INVOICE SOI  
 LAP AUDIT  
**LABORATOR'**

2024012



TO: SCAQMD LAB:  OTHER:

SOURCE NAME: DWP Valley Generating Station I.D. No. \_\_\_\_\_

Source Address: 11801 Sheldon St City: Sun Valley

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 91352

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

Analysis Requested by: Steve Boddeker / Payam Pakbin Date: 8/27/20

Approved by: Andrea Polidori Office: \_\_\_\_\_ Budget #: 44017

REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  Inspector site visit \_\_\_\_\_

Sample Collected by: Steve Boddeker Date: 8/27/2020 Time: 10:35 pst

**REQUESTED ANALYSIS: PAMS analysis (methane)**

City/Location	Can#	Start day / time/ duration	Start vac	~ End Press
DWP-Sun Valley	53474	8/27/ 10:35pst / Grab	~-30"	+1"
DWP-Sun Valley	E4297	8/27/ 10:37pst / Grab	~-30"	-2"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Steve Boddeker</i>	<i>John R. D. [Signature]</i>	SCAQMD Lab	08/27/20	14:50

Remarks: NE of Compressor House (housed Compressors A & B) GPS (34.247039, -118.389849)



**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:** Andrea Polidori, Ph.D.  
Atmospheric Measurements Manager  
Advanced Monitoring Technologies

**Laboratory No.** 2024012-01 to -02

**Requested By** Payam Pakbin

**Rule No.** NA

**ST No.** NA

**Report Created** 09/02/2020

**Sampling Location**

Facility ID 800193  
DWP Valley Generating Station  
11801 Sheldon Street  
Sun Valley, CA 91352

**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.**

**Reviewed By:** **John Bradley**  
**Parrack II**  
Digitally signed by John  
Bradley Parrack II  
Date: 2020.09.02 21:23:26  
-07'00'

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

Brad Parrack  
Principal A.Q. Chemist  
Laboratory Services

**Approved By:** **Aaron**  
**Katzenstein**  
Digitally signed by Aaron  
Katzenstein  
Date: 2020.09.03 06:32:19  
-07'00'

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

Aaron Katzenstein, Ph.D.  
Senior Manager  
Laboratory Services  
(909) 396-2219







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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

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Laboratory No.      2024012-01 to -02

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

**QUALITY CONTROL SUMMARY**

**CCV1 (EB0063639)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1.85	2.03	8.87	0.18	PASS
CH4, ppmvC	2.20	2.05	7.32	0.15	PASS
CO2, ppmvC	2.47	2.01	22.89	0.46	PASS
Ethane, ppmvC	2.74	1.96	39.80	0.78	PASS
NMNEOC, ppmvC	2.05	2.02	1.49	0.03	PASS

*Batch Comments*

**CCV2 (DT0037415)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1020	1000	1.98	19.81	PASS
CH4, ppmvC	1038	1010	2.79	28.15	PASS
CO2, ppmvC	1028	990.0	3.89	38.49	PASS
Ethane, ppmvC	1024	1040	1.57	16.30	PASS
NMNEOC, ppmvC	999	1040	3.91	40.70	PASS

*Batch Comments*

**CCV3 (EB0063639)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1.92	2.03	5.42	0.11	PASS
CH4, ppmvC	2.33	2.05	13.66	0.28	PASS
CO2, ppmvC	2.44	2.01	21.39	0.43	PASS
Ethane, ppmvC	2.51	1.96	28.06	0.55	PASS
NMNEOC, ppmvC	1.99	2.02	1.49	0.03	PASS

*Batch Comments*

**CCV4 (DT0037415)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1022	1000	2.18	21.75	PASS
CH4, ppmvC	1041	1010	3.05	30.80	PASS
CO2, ppmvC	1031	990.0	4.14	41.00	PASS
Ethane, ppmvC	1024	1040	1.51	15.74	PASS
NMNEOC, ppmvC	996	1040	4.23	44.00	PASS

*Batch Comments*

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

DISTRICT INFORMATION  
 INVOICE SOI 2024012  
 LAP AUDIT  
**LABORATOR**



TO: SCAQMD LAB:  OTHER:

SOURCE NAME: DWP Valley Generating Station I.D. No. \_\_\_\_\_

Source Address: 11801 Sheldon St City: Sun Valley

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 91352

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

Analysis Requested by: Steve Boddeker / Payam Pakbin Date: 8/27/20

Approved by: Andrea Polidori Office: \_\_\_\_\_ Budget #: 44017

REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  Inspector site visit \_\_\_\_\_

Sample Collected by: Steve Boddeker Date: 8/27/2020 Time: 10:35 pst

**REQUESTED ANALYSIS: PAMS analysis (methane)**

City/Location	Can#	Start day / time/ duration	Start vac	End Press
DWP-Sun Valley	53474	8/27/ 10:35pst / Grab	~ -30"	+1"
DWP-Sun Valley	E4297	8/27/ 10:37pst / Grab	~ -30"	-2"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Steve Boddeker</i>	<i>John R. D...</i>	SCAQMD Lab	08/27/20	14:50

Remarks: NE of Compressor House (housed Compressors A & B) GPS (34.247039, -118.389849)



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

**MONITORING AND ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

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

**Laboratory No.** 2024013-01 to -02

**Requested By** Thomas Lee

**Rule No.** NA

**Sampling Location**

Facility ID 800193  
LADWP Valley Generating Station  
11801 Sheldon Street  
Sun Valley, CA 91352

**ST No.** NA

**Report Created** 09/02/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:** Stephen Dutz Digitally signed by Stephen Dutz  
Date: 2020.09.02 16:44:17 -07'00'

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

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Approved By:** Aaron Katzenstein Digitally signed by Aaron  
Katzenstein  
Date: 2020.09.02 20:54:11  
-07'00'

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

Aaron Katzenstein, Ph.D.  
Senior Manager  
Laboratory Services  
(909) 396-2219



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

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**Laboratory No.** 2024013-01  
**Sample Description** Grab, SUMMA Canister #E5755  
**Sample Comments** Vent Stack - B-CC-BOP-GC (32.2468410, -118.3898162)  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Total NMOC, ppbC	100000	19	56	100-700
Total Calibrated, ppbC	100000	19	56	
Ethane, ppbv	43000 (EH)	9.3	28	
Ethylene, ppbv	ND	9.3	28	0.7-4.1
Acetylene, ppbv	ND	9.3	28	
Propane, ppbv	3200 (EH)	6.2	19	0.4-5.0
Propylene, ppbv	ND	6.2	19	0.2-0.7
Isobutane, ppbv	310	4.6	14	0.2-0.9
n-Butane, ppbv	410	4.6	14	0.3-1.7
1-Butene, ppbv	ND	4.6	14	0.1-0.3
trans-2-Butene, ppbv	ND	4.6	14	
cis-2-Butene, ppbv	ND	4.6	14	
Isopentane, ppbv	110	3.7	11	
1-Pentene, ppbv	ND	3.7	11	
n-Pentane, ppbv	88	3.7	11	0.1-0.6
Isoprene, ppbv	ND	3.7	11	
trans-2-Pentene, ppbv	ND	3.7	11	
cis-2-Pentene, ppbv	ND	3.7	11	
2,2-Dimethylbutane, ppbv	ND	3.1	9.3	
Cyclopentane, ppbv	5.6	3.7	11	
2,3-Dimethylbutane, ppbv	5.0	3.1	9.3	
2-Methylpentane, ppbv	23	3.1	9.3	
3-Methylpentane, ppbv	13	3.1	9.3	
1-Hexene, ppbv	ND	3.1	9.3	<0.1-0.1
n-Hexane, ppbv	26	3.1	9.3	0.1-0.2
Methylcyclopentane, ppbv	13	3.1	9.3	
2,4-Dimethylpentane, ppbv	ND	2.7	8.0	
Benzene, ppbv	5.9	3.1	9.3	0.1-0.5
Cyclohexane, ppbv	14	3.1	9.3	
2-Methylhexane, ppbv	5.1	2.7	8.0	
2,3-Dimethylpentane, ppbv	ND	2.7	8.0	



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 3 of 6)

**Laboratory No.** 2024013-01 - continued  
**Sample Description** Grab, SUMMA Canister #E5755  
**Sample Comments** Vent Stack - B-CC-BOP-GC (32.2468410, -118.3898162)  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
3-Methylhexane, ppbv	4.8	2.7	8.0	
2,2,4-Trimethylpentane, ppbv	2.3	2.3	7.0	
n-Heptane, ppbv	8.1	2.7	8.0	0.1-0.2
Methylcyclohexane, ppbv	16	2.7	8.0	
2,3,4-Trimethylpentane, ppbv	ND	2.3	7.0	
Toluene, ppbv	4.3	2.7	8.0	0.1-0.6
2-Methylheptane, ppbv	ND	2.3	7.0	
3-Methylheptane, ppbv	ND	2.3	7.0	
n-Octane, ppbv	ND	2.3	7.0	<0.1-0.3
Ethylbenzene, ppbv	ND	2.3	7.0	0.1-0.2
m+p-Xylene, ppbv	ND	2.3	7.0	0.1-0.2
Styrene, ppbv	ND	2.3	7.0	<0.1-0.2
o-Xylene, ppbv	ND	2.3	7.0	0.1-0.2
n-Nonane, ppbv	ND	2.1	6.2	<0.1-0.1
Isopropylbenzene, ppbv	ND	2.1	6.2	
n-Propylbenzene, ppbv	ND	2.1	6.2	
m-Ethyltoluene, ppbv	ND	2.1	6.2	
p-Ethyltoluene, ppbv	ND	2.1	6.2	
1,3,5-Trimethylbenzene, ppbv	ND	2.1	6.2	
o-Ethyltoluene, ppbv	ND	2.1	6.2	
1,2,4-Trimethylbenzene, ppbv	ND	2.1	6.2	
n-Decane, ppbv	ND	1.9	5.6	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	ND	2.1	6.2	
m-Diethylbenzene, ppbv	ND	1.9	5.6	
p-Diethylbenzene, ppbv	ND	1.9	5.6	
n-Undecane, ppbv	ND	1.7	5.1	<0.1
n-Dodecane, ppbv	ND	1.6	4.6	<0.1

\* J = Value is between method detection and reporting limits.

EH = Estimated; Exceeds Upper Range



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 4 of 6)

**Laboratory No.** 2024013-02  
**Sample Description** Grab, Tedlar Bag #150920  
**Sample Comments** Roughly 50 Feet Upwind of Vent Stack B-CC-BOP-GC (34.2467213, -118.3900596)  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Total NMOC, ppbC	470	0.1	0.3	100-700
Total Calibrated, ppbC	170	0.1	0.3	
Ethane, ppbv	6.4 (QX)	0.05	0.2	
Ethylene, ppbv	0.9 (QX)	0.05	0.2	0.7-4.1
Acetylene, ppbv	0.9	0.05	0.2	
Propane, ppbv	2.1	0.03	0.1	0.4-5.0
Propylene, ppbv	0.2	0.03	0.1	0.2-0.7
Isobutane, ppbv	0.4	0.02	0.08	0.2-0.9
n-Butane, ppbv	0.6	0.02	0.08	0.3-1.7
1-Butene, ppbv	J (0.07)	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	ND	0.02	0.08	
cis-2-Butene, ppbv	J (0.05)	0.02	0.08	
Isopentane, ppbv	6.5	0.02	0.06	
1-Pentene, ppbv	J (0.03)	0.02	0.06	
n-Pentane, ppbv	0.5	0.02	0.06	0.1-0.6
Isoprene, ppbv	0.2	0.02	0.06	
trans-2-Pentene, ppbv	ND	0.02	0.06	
cis-2-Pentene, ppbv	ND	0.02	0.06	
2,2-Dimethylbutane, ppbv	J (0.05)	0.02	0.05	
Cyclopentane, ppbv	J (0.03)	0.02	0.06	
2,3-Dimethylbutane, ppbv	0.2	0.02	0.05	
2-Methylpentane, ppbv	1.0	0.02	0.05	
3-Methylpentane, ppbv	0.1	0.02	0.05	
1-Hexene, ppbv	0.1	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.3	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	0.2	0.02	0.05	
2,4-Dimethylpentane, ppbv	0.1	0.01	0.04	
Benzene, ppbv	0.3	0.02	0.05	0.1-0.5
Cyclohexane, ppbv	J (0.05)	0.02	0.05	
2-Methylhexane, ppbv	0.7	0.01	0.04	
2,3-Dimethylpentane, ppbv	0.3	0.01	0.04	



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 5 of 6)

**Laboratory No.** 2024013-02 - continued  
**Sample Description** Grab, Tedlar Bag #150920  
**Sample Comments** Roughly 50 Feet Upwind of Vent Stack B-CC-BOP-GC (34.2467213, -118.3900596)  
**Sample Date 08/27/2020** **Received Date 08/27/2020** **Analyzed Date 08/28/2020**

**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
3-Methylhexane, ppbv	1.6	0.01	0.04	
2,2,4-Trimethylpentane, ppbv	0.2 (LK)	0.01	0.04	
n-Heptane, ppbv	3.2	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.5	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	0.06	0.01	0.04	
Toluene, ppbv	0.6	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	<i>J (0.03)</i>	0.01	0.04	
3-Methylheptane, ppbv	0.06	0.01	0.04	
n-Octane, ppbv	0.06	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	0.1	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	1.5	0.01	0.04	0.1-0.2
Styrene, ppbv	0.4	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	0.2	0.01	0.04	0.1-0.2
n-Nonane, ppbv	0.04	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	0.05	0.01	0.03	
n-Propylbenzene, ppbv	0.05	0.01	0.03	
m-Ethyltoluene, ppbv	0.5	0.01	0.03	
p-Ethyltoluene, ppbv	0.2	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	0.3	0.01	0.03	
o-Ethyltoluene, ppbv	0.3	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	0.2	0.01	0.03	
n-Decane, ppbv	0.1	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	0.2	0.01	0.03	
m-Diethylbenzene, ppbv	ND	0.01	0.03	
p-Diethylbenzene, ppbv	<i>J (0.02)</i>	0.01	0.03	
n-Undecane, ppbv	0.3	0.009	0.03	<0.1
n-Dodecane, ppbv	0.3	0.008	0.02	<0.1

\* *J* = Value is between method detection and reporting limits.

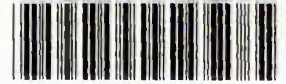
LK = Analyte Identified; Reported Value May Be Biased High, QX = Does not meet QC criteria.



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

DISTRICT INFC  
 INVOICE SOUR  
LABORATORY

2024013



TO: SCAQMD LAB:  OTHER:

SOURCE NAME: LA PWP Valley Generating Station; vent stack I.D. No. PO0193  
or B-CC-BOP-GC

Source Address: 11801 Sheldon St. City: Sun Valley

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

Contact Person: Amir Mohammadi Title: Plant Manager Tel: (818) 771-4501

Analysis Requested by: Thomas Lee Date: 8/27/2020

Approved by: Terrance Nann Office: CSE Budget #: \_\_\_\_\_

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

Suspected Violation Rule(s) Other

Sample Collected by: Thomas Lee Date: 8/27/2020 Time: 1217

Specify the description and location where the sample was collected:

E5755

[GPS 32.2468410, -118.3898162]

Time 1217 on vent stack of B-CC-BOP-GC

VE RIAIR FLEV

[GPS 34.2467213, -118.3900596]

upwind of B-CC-BOP-GC N 50 ft.

Serial No. 150920 JSP  
Collected @ 12:14pm as per bag

Analysis Requested: Methane + VOC JSP

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Steve Bell</u>	<u>Thomas Lee</u>	<u>SCAQMD</u>	<u>8/27/2020</u>	<u>1127</u>
<u>Thomas Lee</u>	<u>John S. Peip</u>	<u>Laboratory</u>	<u>8/27/2020</u>	<u>6:03pm</u>

Remarks:





**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.** 2024013-01 to -02

**Requested By** Thomas Lee

**Rule No.** NA

**Sampling Location**

Facility ID 800193  
LADWP Valley Generating Station  
11801 Sheldon Street  
Sun Valley, CA 91352

**ST No.** NA

**Report Created** 09/02/2020

**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.**

**Reviewed By:** **John Bradley** Digitally signed by John  
**Parrack II** Bradley Parrack II  
Date: 2020.09.02  
21:19:11 -07'00'

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

Brad Parrack  
Principal A.Q. Chemist

**Approved By:** **Aaron** Digitally signed by Aaron  
**Katzenstein** Katzenstein  
Date: 2020.09.03 06:31:36  
-07'00'

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

Aaron Katzenstein, Ph.D.  
Senior Manager  
Laboratory Services  
(909) 396-2219



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 2 of 3)

**Laboratory No.** 2024013-01  
**Sample Description** Grab, SUMMA Canister - #E5755  
**Sample Comments** Vent Stack - B-CC-BOP-GC (32.2468410, -118.3898162)  
**Batch Comments** Single injections only. CO2 results potentially biased high by up to 5 ppmv.

**Sample Date 08/27/2020**                      **Received Date 08/27/2020**                      **Analyzed Date 08/27/2020**

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

Analyte, Unit	Result	Dilution	MDL	MRL
CH4, ppmvC	1450	2	0.4	1.8
CO2, ppmvC	422	2	0.2	4
Ethane, ppmvC	80	2	0.4	2

**Laboratory No.** 2024013-02  
**Sample Description** Grab, Tedlar Bag - #150920  
**Sample Comments** Roughly 50 Feet Upwind of Vent Stack B-CC-BOP-GC (34.2467213, -118.3900596)  
**Batch Comments** Single injections only. CO2 results potentially biased high by up to 5 ppmv.

**Sample Date 08/27/2020**                      **Received Date 08/27/2020**                      **Analyzed Date 08/27/2020**

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

Analyte, Unit	Result	Dilution	MDL	MRL
CH4, ppmvC	3	1	0.2	0.9
CO2, ppmvC	467	1	0.1	2
Ethane, ppmvC	ND	1	0.2	1



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 3 of 3)

Laboratory No.      2024013-01 to -02

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

**QUALITY CONTROL SUMMARY**

**CCV1 (EB0063639)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1.85	2.03	8.87	0.18	PASS
CH4, ppmvC	2.20	2.05	7.32	0.15	PASS
CO2, ppmvC	2.47	2.01	22.89	0.46	PASS
Ethane, ppmvC	2.74	1.96	39.80	0.78	PASS
NMNEOC, ppmvC	2.05	2.02	1.49	0.03	PASS

*Batch Comments*

**CCV2 (DT0037415)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1020	1000	1.98	19.81	PASS
CH4, ppmvC	1038	1010	2.79	28.15	PASS
CO2, ppmvC	1028	990.0	3.89	38.49	PASS
Ethane, ppmvC	1024	1040	1.57	16.30	PASS
NMNEOC, ppmvC	999	1040	3.91	40.70	PASS

*Batch Comments*

**CCV3 (EB0063639)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1.92	2.03	5.42	0.11	PASS
CH4, ppmvC	2.33	2.05	13.66	0.28	PASS
CO2, ppmvC	2.44	2.01	21.39	0.43	PASS
Ethane, ppmvC	2.51	1.96	28.06	0.55	PASS
NMNEOC, ppmvC	1.99	2.02	1.49	0.03	PASS

*Batch Comments*

**CCV4 (DT0037415)**

Analyte, Unit	Measured	Theoretical	Percent Error	Absolute Difference	QC Limit ±5% or ±1
CO, ppmvC	1022	1000	2.18	21.75	PASS
CH4, ppmvC	1041	1010	3.05	30.80	PASS
CO2, ppmvC	1031	990.0	4.14	41.00	PASS
Ethane, ppmvC	1024	1040	1.51	15.74	PASS
NMNEOC, ppmvC	996	1040	4.23	44.00	PASS

*Batch Comments*

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

DISTRICT INFC  
 INVOICE SOUR  
LABORATORY

2024013



TO: SCAQMD LAB:  OTHER:

SOURCE NAME: LA DWP Valley Generating Station; vent stack I.D. No. FOO193  
on B-CC-BOP-6C

Source Address: 11801 Sheldon St. City: Sun valley

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

Contact Person: Amir Mohammadi Title: Plant Manager Tel: (818) 771-4501

Analysis Requested by: Thomas Lee Date: 8/27/2020

Approved by: Terrance Mann Office: CSE Budget #: \_\_\_\_\_

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

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

Sample Collected by: Thomas Lee Date: 8/27/2020 Time: 1217

Specify the description and location where the sample was collected:

E5755

[GPS 32.2468410, -118.3898162]

Time 1217 on vent stack of B-CC-BOP-6C

VE RIAIR FLEV

[GPS 34.2467213, -118.3900596]

upwind of B-CC-BOP-6C N 50 ft.

Serial No. 150920 JSP  
Collected @ 12:14pm as per bag

Analysis Requested: Methane + VOC JSP

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Steve Bell</u>	<u>Thomas Lee</u>	<u>SCAQMD</u>	<u>8/27/2020</u>	<u>1127</u>
<u>Thomas Lee</u>	<u>John B. P. [Signature]</u>	<u>Laboratory</u>	<u>8/27/2020</u>	<u>6:03pm</u>

Remarks: