



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

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

(Page 1 of 8)

**To:** Sumner Wilson  
Monitoring Operations Manager  
Science & Technology Advancement

**Laboratory No.** 2002822-01  
**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Castlebay Lane Elem. (Porter Ranch)  
19010 Castlebay Ln  
Porter Ranch, CA 91326

**ST No.** NA

**Report Created** 02/07/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**  
**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**  
**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:**

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:**

02/07/2020

**Approved By:**

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

**Date Approved:**

2/11/2020



**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.            2002822-01

Sample Description        SILCO Canister E3689

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.2	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.2	0.1	0.1	
Acetone, ppbv	5.0 (EH)	0.1	0.1	7.7
Benzene, ppbv	0.1	0.1	0.1	0.6
Benzyl chloride, ppbv	ND	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.6	0.1	0.1	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	



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Laboratory No.            2002822-01 - continued

Sample Description        SILCO Canister E3689

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	ND	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	2.8 (LJ)	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.1	
Isopropanol, ppbv	0.2	0.1	0.1	
m+p-Xylene, ppbv	ND	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND (QX)	0.1	0.1	
Methylene Chloride, ppbv	0.1	0.1	0.1	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.1	
n-Heptane, ppbv	ND	0.1	0.1	0.2
n-Hexane, ppbv	ND	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	0.1	0.1	0.1	0.5
Styrene, ppbv	ND	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	0.1	0.1	0.1	<0.1
Toluene, ppbv	0.8	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1



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**Laboratory No.**                    **2002822-01 - continued**

**Sample Description**            **SILCO Canister E3689**

**Sample Date 01/25/2020**

**Received Date 01/28/2020**

**Analyzed Date 01/30/2020**

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

*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*



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**MONITORING AND ANALYSIS**  
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Laboratory No. 2002822-01 - continued

Sample Description SILCO Canister E3689

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**~~-TENTATIVELY IDENTIFIED COMPOUNDS-~~**  
**CONCENTRATIONS ARE APPROXIMATED**

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

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



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Laboratory No.            2002822-01 - continued

Sample Description        SILCO Canister E3689

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/28/2020

**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	79	0.1	0.3	100-700
Total Calibrated, ppbC	44	0.1	0.3	
Ethane, ppbv	3.7	0.05	0.2	
Ethylene, ppbv	0.6	0.05	0.2	0.7-4.1
Acetylene, ppbv	0.5	0.05	0.2	
Propane, ppbv	1.4	0.03	0.1	0.4-5.0
Propylene, ppbv	J (0.1)	0.03	0.1	0.2-0.7
Isobutane, ppbv	0.3	0.02	0.08	0.2-0.9
n-Butane, ppbv	0.7	0.02	0.08	0.3-1.7
1-Butene, ppbv	J (0.02)	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	ND	0.02	0.08	
cis-2-Butene, ppbv	ND	0.02	0.08	
Isopentane, ppbv	1.8 (LK)	0.02	0.06	
1-Pentene, ppbv	J (0.02)	0.02	0.06	
n-Pentane, ppbv	0.2	0.02	0.06	0.1-0.6
Isoprene, ppbv	J (0.05)	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 (0.02)	0.02	0.05	
Cyclopentane, ppbv	J (0.02)	0.02	0.06	
2,3-Dimethylbutane, ppbv	J (0.03)	0.02	0.05	
2-Methylpentane, ppbv	0.1	0.02	0.05	
3-Methylpentane, ppbv	J (0.05)	0.02	0.05	
1-Hexene, ppbv	ND	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.07	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	0.07	0.02	0.05	
2,4-Dimethylpentane, ppbv	J (0.03)	0.01	0.04	
Benzene, ppbv	0.2	0.02	0.05	0.1-0.5
Cyclohexane, ppbv	J (0.03)	0.02	0.05	
2-Methylhexane, ppbv	0.05	0.01	0.04	
2,3-Dimethylpentane, ppbv	J (0.04)	0.01	0.04	
3-Methylhexane, ppbv	0.1	0.01	0.04	



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Laboratory No.            2002822-01 - continued

Sample Description        SILCO Canister E3689

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/28/2020

**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>
2,2,4-Trimethylpentane, ppbv	J (0.04)	0.01	0.04	
n-Heptane, ppbv	0.1	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.05	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	J (0.02)	0.01	0.04	
Toluene, ppbv	0.7	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	J (0.01)	0.01	0.04	
3-Methylheptane, ppbv	J (0.01)	0.01	0.04	
n-Octane, ppbv	J (0.02)	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	J (0.02)	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	0.1	0.01	0.04	0.1-0.2
Styrene, ppbv	0.05	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	J (0.03)	0.01	0.04	0.1-0.2
n-Nonane, ppbv	J (0.02)	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	ND	0.01	0.03	
n-Propylbenzene, ppbv	ND	0.01	0.03	
m-Ethyltoluene, ppbv	J (0.01)	0.01	0.03	
p-Ethyltoluene, ppbv	ND	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	ND	0.01	0.03	
o-Ethyltoluene, ppbv	ND	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	BH	0.01	0.03	
n-Decane, ppbv	J (0.02)	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	ND	0.01	0.03	
m-Diethylbenzene, ppbv	ND	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	J (0.01)	0.009	0.03	<0.1
n-Dodecane, ppbv	ND	0.008	0.02	<0.1

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

BH = Interference/co-elution/misidentification, LK = Analyte Identified; Reported Value May Be Biased High

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

DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT  
 LABORATORY NO. 2002822

TO: SCAQMD LAB:  OTHER:   
 SOURCE NAME: Castlebay Lane Elem. (Porter Ranch) I.D. No. \_\_\_\_\_  
 Source Address: 19010 Castlebay Ln City: Porter Ranch  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: ~~10-18-17~~ 1/26/20  
 Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716  
 REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: J. Rothschild, J. Huff Date: 1-26-20 Time: 1205

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time / duration	Start vac	End vac
School yard	E3689	1-25-20 / 00:01 / 1438 min	-30	-1

Relinquished by	Received by	Firm/Agency	Date	Time
J Rothschild	SC AQMD lab	SCAQMD	1/26/20	14:21
SCAQMD LAB	J. Huff	SCAQMD LAB	1/28/20	7:31





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

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**To:** Sumner Wilson  
Monitoring Operations Manager  
Science & Technology Advancement

**Laboratory No.** 2002823-01  
**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Porter Ridge Park (Porter Ranch)  
Murikirk Dr.  
Porter Ranch, CA

**ST No.** NA

**Report Created** 02/07/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**  
**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**  
**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:**

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:**

02/07/2020

**Approved By:**

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

**Date Approved:**

2/11/2020



**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. 2002823-01

Sample Description SILCO Canister E5178

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.3	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.3	0.1	0.1	
Acetone, ppbv	7.6 (EH)	0.1	0.1	7.7
Benzene, ppbv	0.1	0.1	0.1	0.6
Benzyl chloride, ppbv	ND	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.6	0.1	0.1	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	



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Laboratory No.            2002823-01 - continued

Sample Description        SILCO Canister E5178

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	ND	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.4	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	4.2 (LJ)	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.1	
Isopropanol, ppbv	0.3	0.1	0.1	
m+p-Xylene, ppbv	0.1	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND (QX)	0.1	0.1	
Methylene Chloride, ppbv	0.4	0.1	0.1	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.1	
n-Heptane, ppbv	0.2	0.1	0.1	0.2
n-Hexane, ppbv	0.1	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	0.2	0.1	0.1	0.5
Styrene, ppbv	0.3	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	1.2	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1



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**Laboratory No.**                    **2002823-01 - continued**

**Sample Description**            **SILCO Canister E5178**

**Sample Date 01/25/2020**

**Received Date 01/28/2020**

**Analyzed Date 01/30/2020**

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

*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*



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

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Laboratory No. 2002823-01 - continued

Sample Description SILCO Canister E5178

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**—TENTATIVELY IDENTIFIED COMPOUNDS—**  
**CONCENTRATIONS ARE APPROXIMATED**

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

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



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

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

(Page 6 of 8)

Laboratory No. 2002823-01 - continued

Sample Description SILCO Canister E5178

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/28/2020

**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	100	0.1	0.3	100-700
Total Calibrated, ppbC	64	0.1	0.3	
Ethane, ppbv	4.1	0.05	0.2	
Ethylene, ppbv	0.8	0.05	0.2	0.7-4.1
Acetylene, ppbv	0.7	0.05	0.2	
Propane, ppbv	1.5	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	1.0	0.02	0.08	0.3-1.7
1-Butene, ppbv	J (0.04)	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	ND	0.02	0.08	
cis-2-Butene, ppbv	ND	0.02	0.08	
Isopentane, ppbv	2.6 (LK)	0.02	0.06	
1-Pentene, ppbv	J (0.03)	0.02	0.06	
n-Pentane, ppbv	0.4	0.02	0.06	0.1-0.6
Isoprene, ppbv	0.1	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 (0.03)	0.02	0.05	
Cyclopentane, ppbv	J (0.02)	0.02	0.06	
2,3-Dimethylbutane, ppbv	J (0.05)	0.02	0.05	
2-Methylpentane, ppbv	0.2	0.02	0.05	
3-Methylpentane, ppbv	0.08	0.02	0.05	
1-Hexene, ppbv	ND	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.1	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	0.1	0.02	0.05	
2,4-Dimethylpentane, ppbv	J (0.04)	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	0.09	0.01	0.04	
2,3-Dimethylpentane, ppbv	0.06	0.01	0.04	
3-Methylhexane, ppbv	0.2	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 7 of 8)

Laboratory No.            2002823-01 - continued

Sample Description        SILCO Canister E5178

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/28/2020

**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>
2,2,4-Trimethylpentane, ppbv	0.09 (LK)	0.01	0.04	
n-Heptane, ppbv	0.2	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.08	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	J (0.02)	0.01	0.04	
Toluene, ppbv	1.2	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	J (0.03)	0.01	0.04	
3-Methylheptane, ppbv	J (0.02)	0.01	0.04	
n-Octane, ppbv	J (0.03)	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	J (0.04)	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	0.2	0.01	0.04	0.1-0.2
Styrene, ppbv	0.2 (LK)	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	J (0.03)	0.01	0.04	0.1-0.2
n-Nonane, ppbv	J (0.02)	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	ND	0.01	0.03	
n-Propylbenzene, ppbv	ND	0.01	0.03	
m-Ethyltoluene, ppbv	J (0.02)	0.01	0.03	
p-Ethyltoluene, ppbv	ND	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	ND	0.01	0.03	
o-Ethyltoluene, ppbv	ND	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	BH	0.01	0.03	
n-Decane, ppbv	J (0.01)	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	ND	0.01	0.03	
m-Diethylbenzene, ppbv	J (0.01)	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	ND	0.009	0.03	<0.1
n-Dodecane, ppbv	ND	0.008	0.02	<0.1

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

BH = Interference/co-elution/misidentification, LK = Analyte Identified; Reported Value May Be Biased High

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

DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT  
 LABORATORY NO 2002823

TO: SCAQMD LAB:  OTHER:   
 SOURCE NAME: Porter Ridge Park (Porter Ranch) I.D. No: \_\_\_\_\_  
 Source Address: Murikirk Dr. City: Porter Ranch  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 10-18-17 1/26/20 502  
 Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716  
 REASON REQUESTED:  Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: J. Rothschild, J. Huff Date: 1-26-20 Time: 1150

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time / duration	Start vac	End vac
Park	E3385	1-25-20 / 00:01 / 1438 min	30	4

E5178

JC

Relinquished by	Received by	Firm/Agency	Date	Time
<u>J Rothschild</u>	<u>SC AQMD Lab</u>	<u>SCAQMD</u>	<u>1/26/20</u>	<u>14:21</u>
<u>SC AQMD LAB</u>	<u>J. Huffine</u>	<u>SCAQMD LAB</u>	<u>1/28/20</u>	<u>7:32</u>





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

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

(Page 1 of 8)

**To:** Sumner Wilson  
Monitoring Operations Manager  
Science & Technology Advancement

**Laboratory No.** 2002824-01  
**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Socal Gas (Porter Ranch)  
34.3116 -118.5462 Porter fire road  
Porter Ranch, CA

**ST No.** NA

**Report Created** 02/07/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**  
**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively**  
**Identified**  
**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:**

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:**

02/09/2020

**Approved By:**

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

**Date Approved:**

2/11/2020



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

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

(Page 2 of 8)

Laboratory No.            2002824-01

Sample Description        SILCO Canister E3385

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.4	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.3	0.1	0.1	
Acetone, ppbv	6.2 (BH)	0.1	0.1	7.7
Benzene, ppbv	0.2	0.1	0.1	0.6
Benzyl chloride, ppbv	ND	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.6	0.1	0.1	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	



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

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

(Page 3 of 8)

Laboratory No.            2002824-01 - continued

Sample Description        .SILCO Canister E3385

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	0.1	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	4.4 (LJ)	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.1	
Isopropanol, ppbv	0.3	0.1	0.1	
m+p-Xylene, ppbv	0.2	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND (QX)	0.1	0.1	
Methylene Chloride, ppbv	0.1	0.1	0.1	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.1	
n-Heptane, ppbv	0.1	0.1	0.1	0.2
n-Hexane, ppbv	0.1	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	0.2	0.1	0.1	0.5
Styrene, ppbv	ND	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	0.8	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1



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

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

(Page 4 of 8)

**Laboratory No.** 2002824-01 - continued

**Sample Description** SILCO Canister E3385

**Sample Date** 01/25/2020

**Received Date** 01/28/2020

**Analyzed Date** 01/30/2020

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

*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*



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

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

(Page 5 of 8)

Laboratory No. 2002824-01 - continued

Sample Description SILCO Canister E3385

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/30/2020

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**~~—TENTATIVELY IDENTIFIED COMPOUNDS—~~**  
**CONCENTRATIONS ARE APPROXIMATED**

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

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



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

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

(Page 6 of 8)

Laboratory No. 2002824-01 - continued

Sample Description SILCO Canister E3385

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/28/2020

**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	180	0.1	0.3	100-700
Total Calibrated, ppbC	150	0.1	0.3	
Ethane, ppbv	33 (EH)	0.05	0.2	
Ethylene, ppbv	0.8	0.05	0.2	0.7-4.1
Acetylene, ppbv	0.7	0.05	0.2	
Propane, ppbv	6.0	0.03	0.1	0.4-5.0
Propylene, ppbv	J (0.1)	0.03	0.1	0.2-0.7
Isobutane, ppbv	1.9	0.02	0.08	0.2-0.9
n-Butane, ppbv	1.8	0.02	0.08	0.3-1.7
1-Butene, ppbv	J (0.05)	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	ND	0.02	0.08	
cis-2-Butene, ppbv	J (0.02)	0.02	0.08	
Isopentane, ppbv	3.6	0.02	0.06	
1-Pentene, ppbv	J (0.03)	0.02	0.06	
n-Pentane, ppbv	0.4	0.02	0.06	0.1-0.6
Isoprene, ppbv	0.09	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	0.09	0.02	0.05	
Cyclopentane, ppbv	J (0.04)	0.02	0.06	
2,3-Dimethylbutane, ppbv	0.1	0.02	0.05	
2-Methylpentane, ppbv	0.2	0.02	0.05	
3-Methylpentane, ppbv	0.2	0.02	0.05	
1-Hexene, ppbv	J (0.02)	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.1	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	0.1	0.02	0.05	
2,4-Dimethylpentane, ppbv	0.07	0.01	0.04	
Benzene, ppbv	0.3	0.02	0.05	0.1-0.5
Cyclohexane, ppbv	0.1	0.02	0.05	
2-Methylhexane, ppbv	0.08	0.01	0.04	
2,3-Dimethylpentane, ppbv	0.1	0.01	0.04	
3-Methylhexane, ppbv	0.1	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 7 of 8)

Laboratory No. 2002824-01 - continued

Sample Description SILCO Canister E3385

Sample Date 01/25/2020

Received Date 01/28/2020

Analyzed Date 01/28/2020

**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>
2,2,4-Trimethylpentane, ppbv	0.08 (LK)	0.01	0.04	
n-Heptane, ppbv	0.2	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.1	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	J (0.03)	0.01	0.04	
Toluene, ppbv	0.8	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	J (0.02)	0.01	0.04	
3-Methylheptane, ppbv	J (0.02)	0.01	0.04	
n-Octane, ppbv	J (0.03)	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	0.05	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	0.2	0.01	0.04	0.1-0.2
Styrene, ppbv	J (0.02)	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	0.06	0.01	0.04	0.1-0.2
n-Nonane, ppbv	J (0.03)	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	J (0.01)	0.01	0.03	
n-Propylbenzene, ppbv	J (0.01)	0.01	0.03	
m-Ethyltoluene, ppbv	J (0.02)	0.01	0.03	
p-Ethyltoluene, ppbv	ND	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	ND	0.01	0.03	
o-Ethyltoluene, ppbv	J (0.01)	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	J (0.03)	0.01	0.03	
n-Decane, ppbv	J (0.02)	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	J (0.01)	0.01	0.03	
m-Diethylbenzene, ppbv	ND	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	ND	0.009	0.03	<0.1
n-Dodecane, ppbv	ND	0.008	0.02	<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 SOURCE

LAP AUDIT

LABORATORY NO. 2002824

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: Socal Gas (Porter Ranch) I.D. No. \_\_\_\_\_

Source Address: 34.3116 -118.5462 Porter fire road City: Porter Ranch

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

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

Analysis Requested by: Summer Wilson Date: 1/26/20

Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716

REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: J. Rothschild, J. Huff Date: 1-26-20 Time: 1152

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time / duration	Start vac	End vac
Turn-out	E3385	1-25-20 / 00:01 / 1438 min	-30	-2

Relinquished by	Received by	Firm/Agency	Date	Time
J Rothschild	SC Admin Lab	SCAQMD	1/26/20	14:21
SC ADMIN LAB	J. HUFF	SCAQMD LAB	1/28/20	7:37





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

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

(Page 1 of 8)

**To:** Sumner Wilson  
Monitoring Operations Manager  
Science & Technology Advancement

**Laboratory No.** 2003504-01  
**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Castlebay Lane Elem. (Porter Ranch)  
19010 Castlebay Ln  
Parter Ranch, CA

**ST No.** NA

**Report Created** 02/25/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**  
**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively**  
**Identified**  
**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:**

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:**

02/25/2020

**Approved By:**

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

**Date Approved:**

2/26/2020



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

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

(Page 2 of 8)

Laboratory No. 2003504-01

Sample Description SILCO Canister E3342

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/06/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.3	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.2	0.1	0.1	
Acetone, ppbv	3.0 (EH)	0.1	0.1	7.7
Benzene, ppbv	0.1	0.1	0.1	0.6
Benzyl chloride, ppbv	ND	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.7	0.1	0.1	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	



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

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

(Page 3 of 8)

Laboratory No.            2003504-01 - continued

Sample Description        SILCO Canister E3342

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/06/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	ND	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	0.9 (LJ)	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.1	
Isopropanol, ppbv	0.1 (LJ)	0.1	0.1	
m+p-Xylene, ppbv	ND	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND (QX)	0.1	0.1	
Methylene Chloride, ppbv	0.1	0.1	0.1	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.1	
n-Heptane, ppbv	ND	0.1	0.1	0.2
n-Hexane, ppbv	ND	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	ND	0.1	0.1	0.5
Styrene, ppbv	ND	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	ND	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1



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

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

(Page 4 of 8)

**Laboratory No.**                    **2003504-01 - continued**  
**Sample Description**            **SILCO Canister E3342**  
**Sample Date 02/01/2020**                    **Received Date 02/04/2020**                    **Analyzed Date 02/06/2020**

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

*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*



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

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

(Page 5 of 8)

Laboratory No. 2003504-01 - continued

Sample Description SILCO Canister E3342

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/06/2020

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Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified

~~-TENTATIVELY IDENTIFIED COMPOUNDS-~~  
CONCENTRATIONS ARE APPROXIMATED

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

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



**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.: 2003504-01 - continued

Sample Description: SILCO Canister E3342

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/04/2020

**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	39	0.1	0.3	100-700
Total Calibrated, ppbC	27	0.1	0.3	
Ethane, ppbv	2.9	0.05	0.2	
Ethylene, ppbv	0.4	0.05	0.2	0.7-4.1
Acetylene, ppbv	0.5	0.05	0.2	
Propane, ppbv	0.9	0.03	0.1	0.4-5.0
Propylene, ppbv	J (0.07)	0.03	0.1	0.2-0.7
Isobutane, ppbv	0.1	0.02	0.08	0.2-0.9
n-Butane, ppbv	0.3	0.02	0.08	0.3-1.7
1-Butene, ppbv	J (0.03)	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	ND	0.02	0.08	
cis-2-Butene, ppbv	ND	0.02	0.08	
Isopentane, ppbv	1.1	0.02	0.06	
1-Pentene, ppbv	J (0.03)	0.02	0.06	
n-Pentane, ppbv	0.09	0.02	0.06	0.1-0.6
Isoprene, ppbv	J (0.03)	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 (0.02)	0.02	0.05	
Cyclopentane, ppbv	ND	0.02	0.06	
2,3-Dimethylbutane, ppbv	J (0.02)	0.02	0.05	
2-Methylpentane, ppbv	J (0.03)	0.02	0.05	
3-Methylpentane, ppbv	J (0.03)	0.02	0.05	
1-Hexene, ppbv	J (0.02)	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	J (0.05)	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	J (0.03)	0.02	0.05	
2,4-Dimethylpentane, ppbv	J (0.02)	0.01	0.04	
Benzene, ppbv	0.2	0.02	0.05	0.1-0.5
Cyclohexane, ppbv	J (0.02)	0.02	0.05	
2-Methylhexane, ppbv	J (0.02)	0.01	0.04	
2,3-Dimethylpentane, ppbv	J (0.03)	0.01	0.04	
3-Methylhexane, ppbv	0.05	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 7 of 8)

Laboratory No. 2003504-01 - continued

Sample Description SILCO Canister E3342

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/04/2020

**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>
2,2,4-Trimethylpentane, ppbv	J (0.03)	0.01	0.04	
n-Heptane, ppbv	J (0.03)	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	J (0.01)	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	J (0.01)	0.01	0.04	
Toluene, ppbv	0.08	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	J (0.01)	0.01	0.04	
3-Methylheptane, ppbv	J (0.01)	0.01	0.04	
n-Octane, ppbv	J (0.03)	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	J (0.01)	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	J (0.03)	0.01	0.04	0.1-0.2
Styrene, ppbv	0.05	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	0.06	0.01	0.04	0.1-0.2
n-Nonane, ppbv	J (0.02)	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	ND	0.01	0.03	
n-Propylbenzene, ppbv	ND	0.01	0.03	
m-Ethyltoluene, ppbv	J (0.01)	0.01	0.03	
p-Ethyltoluene, ppbv	ND	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	ND	0.01	0.03	
o-Ethyltoluene, ppbv	ND	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	BH	0.01	0.03	
n-Decane, ppbv	J (0.01)	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	ND	0.01	0.03	
m-Diethylbenzene, ppbv	ND	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	J (0.01)	0.009	0.03	<0.1
n-Dodecane, ppbv	J (0.01)	0.008	0.02	<0.1

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

BH = Interference/co-elution/misidentification, LK = Analyte Identified; Reported Value May Be Biased High

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

DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT  
 LABORATORY NO. 2003504

TO: SCAQMD LAB:  OTHER:   
 SOURCE NAME: Castlebay Lane Elem. (Porter Ranch) I.D. No. \_\_\_\_\_  
 Source Address: 19010 Castlebay Ln City: Porter Ranch  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 2-1-2020

Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716

REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: E. Holden, E. Balagopala Date: 2-2-20 Time: 0900

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time / duration	Start vac	End vac
School yard	E3342	2-1-20 / 00:01 / 1438 min	-30	-1

Relinquished by	Received by	Firm/Agency	Date	Time
<u>E. Holden</u>	<u>Lab</u>	<u>SCAQMD</u>	<u>2-2-20</u>	<u>1030</u>
<u>LAB</u>	<u>J. Huffine</u>	<u>SCAQMD LAB</u>	<u>2/4/20</u>	<u>6:54</u>





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

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

(Page 1 of 8)

**To:** Sumner Wilson  
Monitoring Operations Manager  
Science & Technology Advancement

**Laboratory No.** 2003503-01  
**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Socal Gas (Porter Ranch)  
34.3116, -118.5462 (Porter fire road)  
Porter Ranch, CA

**ST No.** NA

**Report Created** 02/25/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**  
**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**  
**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:**

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:**

02/25/2020

**Approved By:**

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

**Date Approved:**

2/26/2020



**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.            2003503-01

Sample Description        24 Hour, SILCO Canister 53449

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/06/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.4	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.3	0.1	0.1	
Acetone, ppbv	6.6 (EH)	0.1	0.1	7.7
Benzene, ppbv	0.1	0.1	0.1	0.6
Benzyl chloride, ppbv	ND	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.6	0.1	0.1	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	



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

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

(Page 3 of 8)

Laboratory No.            2003503-01 - continued

Sample Description        24 Hour, SILCO Canister 53449

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/06/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	ND	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.4	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	1.7 (LJ)	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.1	
Isopropanol, ppbv	0.2 (LJ)	0.1	0.1	
m+p-Xylene, ppbv	ND	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND (QX)	0.1	0.1	
Methylene Chloride, ppbv	0.2	0.1	0.1	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.1	
n-Heptane, ppbv	0.1	0.1	0.1	0.2
n-Hexane, ppbv	ND	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	ND	0.1	0.1	0.5
Styrene, ppbv	0.2	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	0.6	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1



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

**MONITORING AND ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

(Page 4 of 8)

**Laboratory No.**                    **2003503-01 - continued**  
**Sample Description**            **24 Hour, SILCO Canister 53449**  
**Sample Date 02/01/2020**                    **Received Date 02/04/2020**                    **Analyzed Date 02/06/2020**

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

*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*



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

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

(Page 5 of 8)

**Laboratory No.** 2003503-01 - continued

**Sample Description** 24 Hour, SILCO Canister 53449

**Sample Date** 02/01/2020

**Received Date** 02/04/2020

**Analyzed Date** 02/06/2020

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**~~—TENTATIVELY IDENTIFIED COMPOUNDS—~~**  
**CONCENTRATIONS ARE APPROXIMATED**

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

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



**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. 2003503-01 - continued

Sample Description 24 Hour, SILCO Canister 53449

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/04/2020

**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	230	0.1	0.3	100-700
Total Calibrated, ppbC	79	0.1	0.3	
Ethane, ppbv	15	0.05	0.2	
Ethylene, ppbv	0.4	0.05	0.2	0.7-4.1
Acetylene, ppbv	0.3	0.05	0.2	
Propane, ppbv	3.0	0.03	0.1	0.4-5.0
Propylene, ppbv	J (0.09)	0.03	0.1	0.2-0.7
Isobutane, ppbv	0.9	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 (0.04)	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	ND	0.02	0.08	
cis-2-Butene, ppbv	J (0.03)	0.02	0.08	
Isopentane, ppbv	2.3	0.02	0.06	
1-Pentene, ppbv	J (0.03)	0.02	0.06	
n-Pentane, ppbv	0.4	0.02	0.06	0.1-0.6
Isoprene, ppbv	0.1	0.02	0.06	
trans-2-Pentene, ppbv	ND	0.02	0.06	
cis-2-Pentene, ppbv	J (0.02)	0.02	0.06	
2,2-Dimethylbutane, ppbv	J (0.04)	0.02	0.05	
Cyclopentane, ppbv	J (0.02)	0.02	0.06	
2,3-Dimethylbutane, ppbv	0.07	0.02	0.05	
2-Methylpentane, ppbv	0.1	0.02	0.05	
3-Methylpentane, ppbv	0.08	0.02	0.05	
1-Hexene, ppbv	J (0.02)	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.1	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	0.06	0.02	0.05	
2,4-Dimethylpentane, ppbv	J (0.03)	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	0.07	0.01	0.04	
2,3-Dimethylpentane, ppbv	J (0.04)	0.01	0.04	
3-Methylhexane, ppbv	0.1	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**

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Laboratory No.            2003503-01 - continued

Sample Description        24 Hour, SILCO Canister 53449

Sample Date 02/01/2020

Received Date 02/04/2020

Analyzed Date 02/04/2020

**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>
2,2,4-Trimethylpentane, ppbv	J (0.01)	0.01	0.04	
n-Heptane, ppbv	0.2	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.07	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	ND	0.01	0.04	
Toluene, ppbv	0.7	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	J (0.02)	0.01	0.04	
3-Methylheptane, ppbv	ND	0.01	0.04	
n-Octane, ppbv	0.05	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	J (0.02)	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	0.1	0.01	0.04	0.1-0.2
Styrene, ppbv	0.1	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	J (0.02)	0.01	0.04	0.1-0.2
n-Nonane, ppbv	0.04	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	J (0.01)	0.01	0.03	
n-Propylbenzene, ppbv	ND	0.01	0.03	
m-Ethyltoluene, ppbv	J (0.01)	0.01	0.03	
p-Ethyltoluene, ppbv	ND	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	ND	0.01	0.03	
o-Ethyltoluene, ppbv	ND	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	BH	0.01	0.03	
n-Decane, ppbv	0.04	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	ND (LK)	0.01	0.03	
m-Diethylbenzene, ppbv	J (0.01)	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	J (0.03)	0.009	0.03	<0.1
n-Dodecane, ppbv	J (0.02)	0.008	0.02	<0.1

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

BH = Interference/co-elution/misidentification, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, LK = Analyte Identified; Reported Value May Be Biased High

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

DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT  
 LABORATORY NO 2003503

TO: SCAQMD LAB:  OTHER:   
 SOURCE NAME: Socal Gas (Porter Ranch) I.D. No. \_\_\_\_\_  
 Source Address: 34.3116 -118.5462 Porter, fire road City: Porter Ranch  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 2-1-2020  
 Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716  
 REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: E. Holden, E. Balagopala Date: 2-2-20 Time: 0930

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time / duration	Start vac	End vac
Turn-out	53449	2-1-20 / 00:01 / 1438 min	-30	0

Relinquished by	Received by	Firm/Agency	Date	Time
<u>E. Holden</u>	<u>Lab</u>	SCAQMD	<u>2-2-20</u>	<u>1030</u>
<u>LAB</u>	<u>J. Huffine</u>	SCAQMD LAB	<u>2/4/20</u>	<u>6:54</u>





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

**MONITORING AND ANALYSIS**  
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**To:** Sumner Wilson  
Monitoring Operations Manager  
Science & Technology Advancement

**Laboratory No.** 2004202-01 to -03

**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Various Sampling Locations  
Various Streets  
Porter Ranch, CA

**ST No.** NA

**Report Created** 02/25/2020

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

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**  
**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**  
**Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID**

**See attached results and sample information.**

**Reviewed By:**

Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:**

02/25/2020

**Approved By:**

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

**Date Approved:**

2/26/2020



**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. 2004202-01

Sample Description SILCO Canister NATTS 0020, Porter Ridge Park (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/13/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.3	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.3	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.3	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.3	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.3	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.3	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.3	0.1
1,2-Dibromoethane, ppbv	ND	0.02	0.07	
1,2-Dichlorobenzene, ppbv	ND	0.04	0.1	
1,2-Dichloroethane, ppbv	J (0.03)	0.02	0.05	
1,2-Dichloropropane, ppbv	ND	0.03	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.3	0.1
1,3-Butadiene, ppbv	J (0.01)	0.01	0.04	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.3	
1,4-Dichlorobenzene, ppbv	ND	0.08	0.2	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.3	<0.1
2-Butanone (MEK), ppbv	0.7	0.05	0.2	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.3	
2-Propenal (S1M), ppbv	0.2	0.03	0.08	
Acetone, ppbv	9.0 (EH)	0.07	0.2	7.7
Benzene, ppbv	0.3	0.02	0.07	0.6
Benzyl chloride, ppbv	ND	0.1	0.3	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.3	<0.1
Bromoform, ppbv	ND	0.1	0.3	<0.1
Bromomethane, ppbv	ND	0.03	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.3	<0.1
Carbon Tetrachloride, ppbv	0.08	0.02	0.06	0.1
Chlorobenzene, ppbv	ND	0.1	0.3	<0.1
Chloroethane, ppbv	ND	0.1	0.3	<0.1
Chloroform, ppbv	J (0.03)	0.02	0.06	<0.1
Chloromethane, ppbv	0.6	0.1	0.3	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.3	



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
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**MONITORING AND ANALYSIS**  
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Laboratory No.            2004202-01 - continued

Sample Description        SILCO Canister NATTS 0020, Porter Ridge Park (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/13/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.3	
Cyclohexane, ppbv	ND	0.1	0.3	0.1
Dibromochloromethane, ppbv	ND	0.1	0.3	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.4	0.1	0.3	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.3	<0.1
Ethanol, ppbv	5.1 (LJ)	0.1	0.3	7.3
Ethyl Acetate, ppbv	J (0.2)	0.1	0.3	<0.1
Ethylbenzene, ppbv	0.1	0.03	0.08	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.3	
Isopropanol, ppbv	0.5 (LJ)	0.1	0.3	
m+p-Xylene, ppbv	0.3	0.04	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.3	
Methyl Methacrylate, ppbv	ND	0.1	0.3	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.09	0.3	
Methylene Chloride, ppbv	0.2	0.03	0.08	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.3	
n-Heptane, ppbv	ND	0.1	0.3	0.2
n-Hexane, ppbv	J (0.2)	0.1	0.3	0.1
o-Xylene, ppbv	0.1	0.02	0.05	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.3	
Propylene, ppbv	J (0.2)	0.1	0.3	0.5
Styrene, ppbv	J (0.08)	0.05	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.02	0.06	
Tetrahydrofuran, ppbv	ND	0.1	0.3	<0.1
Toluene, ppbv	0.5	0.03	0.09	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.3	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.3	
Trichloroethylene, ppbv	ND	0.03	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	J (0.2)	0.1	0.3	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.3	0.1
Vinyl acetate, ppbv	ND	0.1	0.3	<0.1
Vinyl chloride, ppbv	ND	0.02	0.07	<0.1



**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.**                      **2004202-01 - continued**  
**Sample Description**               **SILCO Canister NATTS 0020, Porter Ridge Park (Porter Ranch)**  
**Sample Date 02/08/2020**                      **Received Date 02/11/2020**                      **Analyzed Date 02/13/2020**

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

*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
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**MONITORING AND ANALYSIS  
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Laboratory No. 2004202-01 - continued

Sample Description SILCO Canister NATTS 0020, Porter Ridge Park (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/18/2020

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**~~TENTATIVELY IDENTIFIED COMPOUNDS~~  
CONCENTRATIONS ARE APPROXIMATED**

<u>Analyte, Unit</u>	<u>Result</u>
No. TICs Found, ppbv	0.0

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



**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. **2004202-01 - continued**  
 Sample Description **SILCO Canister NATTS 0020, Porter Ridge Park (Porter Ranch)**  
 Sample Date **02/08/2020** Received Date **02/11/2020** Analyzed Date **02/12/2020**

**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	150	0.1	0.3	100-700
Total Calibrated, ppbC	110	0.1	0.3	
Ethane, ppbv	12	0.05	0.2	
Ethylene, ppbv	1.5	0.05	0.2	0.7-4.1
Acetylene, ppbv	1.8	0.05	0.2	
Propane, ppbv	4.0	0.03	0.1	0.4-5.0
Propylene, ppbv	0.2	0.03	0.1	0.2-0.7
Isobutane, ppbv	1.0	0.02	0.08	0.2-0.9
n-Butane, ppbv	2.8	0.02	0.08	0.3-1.7
1-Butene, ppbv	<i>J (0.06)</i>	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	<i>J (0.02)</i>	0.02	0.08	
cis-2-Butene, ppbv	<i>J (0.04)</i>	0.02	0.08	
Isopentane, ppbv	3.8	0.02	0.06	
1-Pentene, ppbv	<i>J (0.05)</i>	0.02	0.06	
n-Pentane, ppbv	0.5	0.02	0.06	0.1-0.6
Isoprene, ppbv	0.08	0.02	0.06	
trans-2-Pentene, ppbv	<i>J (0.03)</i>	0.02	0.06	
cis-2-Pentene, ppbv	<i>J (0.02)</i>	0.02	0.06	
2,2-Dimethylbutane, ppbv	0.08	0.02	0.05	
Cyclopentane, ppbv	<i>J (0.06)</i>	0.02	0.06	
2,3-Dimethylbutane, ppbv	0.1	0.02	0.05	
2-Methylpentane, ppbv	0.3	0.02	0.05	
3-Methylpentane, ppbv	0.2	0.02	0.05	
1-Hexene, ppbv	<i>J (0.03)</i>	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.2	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	0.2	0.02	0.05	
2,4-Dimethylpentane, ppbv	0.09	0.01	0.04	
Benzene, ppbv	0.3	0.02	0.05	0.1-0.5
Cyclohexane, ppbv	0.09	0.02	0.05	
2-Methylhexane, ppbv	0.1	0.01	0.04	
2,3-Dimethylpentane, ppbv	0.1	0.01	0.04	
3-Methylhexane, ppbv	0.2	0.01	0.04	



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
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**MONITORING AND ANALYSIS**  
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Laboratory No.            2004202-01 - continued

Sample Description        SILCO Canister NATTS 0020, Porter Ridge Park (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/12/2020

**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>
2,2,4-Trimethylpentane, ppbv	0.2	0.01	0.04	
n-Heptane, ppbv	0.1	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.08	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	0.06	0.01	0.04	
Toluene, ppbv	0.5	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	0.05	0.01	0.04	
3-Methylheptane, ppbv	0.05	0.01	0.04	
n-Octane, ppbv	0.07	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	0.1	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	0.3	0.01	0.04	0.1-0.2
Styrene, ppbv	0.07	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	0.1	0.01	0.04	0.1-0.2
n-Nonane, ppbv	0.05	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	J (0.02)	0.01	0.03	
n-Propylbenzene, ppbv	J (0.02)	0.01	0.03	
m-Ethyltoluene, ppbv	0.04	0.01	0.03	
p-Ethyltoluene, ppbv	J (0.02)	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	J (0.02)	0.01	0.03	
o-Ethyltoluene, ppbv	J (0.02)	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	BH	0.01	0.03	
n-Decane, ppbv	J (0.03)	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	J (0.01)	0.01	0.03	
m-Diethylbenzene, ppbv	ND	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	J (0.009)	0.009	0.03	<0.1
n-Dodecane, ppbv	J (0.008)	0.008	0.02	<0.1

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

BH = Interference/co-elution/misidentification



**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. 2004202-02

Sample Description SILCO Canister S0449, Socal Gas (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/13/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.3	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.3	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.3	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.3	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.3	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.3	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.3	0.1
1,2-Dibromoethane, ppbv	ND	0.02	0.07	
1,2-Dichlorobenzene, ppbv	ND	0.04	0.1	
1,2-Dichloroethane, ppbv	J (0.02)	0.02	0.05	
1,2-Dichloropropane, ppbv	ND	0.03	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.3	0.1
1,3-Butadiene, ppbv	ND	0.01	0.04	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.3	
1,4-Dichlorobenzene, ppbv	ND	0.08	0.2	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.3	<0.1
2-Butanone (MEK), ppbv	0.6	0.05	0.2	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.3	
2-Propenal (SIM), ppbv	0.2	0.03	0.08	
Acetone, ppbv	7.3 (EH)	0.07	0.2	7.7
Benzene, ppbv	0.2	0.02	0.07	0.6
Benzyl chloride, ppbv	ND	0.1	0.3	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.3	<0.1
Bromoform, ppbv	ND	0.1	0.3	<0.1
Bromomethane, ppbv	ND	0.03	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.3	<0.1
Carbon Tetrachloride, ppbv	0.08	0.02	0.06	0.1
Chlorobenzene, ppbv	ND	0.1	0.3	<0.1
Chloroethane, ppbv	ND	0.1	0.3	<0.1
Chloroform, ppbv	J (0.02)	0.02	0.06	<0.1
Chloromethane, ppbv	0.6	0.1	0.3	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.3	





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Laboratory No. 2004202-02 - continued

Sample Description SILCO Canister S0449, Social Gas (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/13/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.3	
Cyclohexane, ppbv	J (0.1)	0.1	0.3	0.1
Dibromochloromethane, ppbv	ND	0.1	0.3	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.4	0.1	0.3	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.3	<0.1
Ethanol, ppbv	3.9 (LJ)	0.1	0.3	7.3
Ethyl Acetate, ppbv	ND	0.1	0.3	<0.1
Ethylbenzene, ppbv	0.08	0.03	0.08	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.3	
Isopropanol, ppbv	0.3 (LJ)	0.1	0.3	
m+p-Xylene, ppbv	0.1	0.04	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.3	
Methyl Methacrylate, ppbv	ND	0.1	0.3	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.09	0.3	
Methylene Chloride, ppbv	0.1	0.03	0.08	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.3	
n-Heptane, ppbv	ND	0.1	0.3	0.2
n-Hexane, ppbv	J (0.1)	0.1	0.3	0.1
o-Xylene, ppbv	0.05	0.02	0.05	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.3	
Propylene, ppbv	J (0.1)	0.1	0.3	0.5
Styrene, ppbv	ND	0.05	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.02	0.06	
Tetrahydrofuran, ppbv	ND	0.1	0.3	<0.1
Toluene, ppbv	0.4	0.03	0.09	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.3	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.3	
Trichloroethylene, ppbv	ND	0.03	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	J (0.2)	0.1	0.3	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.3	0.1
Vinyl acetate, ppbv	ND	0.1	0.3	<0.1
Vinyl chloride, ppbv	ND	0.02	0.07	<0.1



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**Laboratory No.** 2004202-02 - continued

**Sample Description** SILCO Canister S0449, Socal Gas (Porter Ranch)

**Sample Date 02/08/2020**

**Received Date 02/11/2020**

**Analyzed Date 02/13/2020**

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

*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*



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**Laboratory No.** 2004202-02 - continued

**Sample Description** SILCO Canister S0449, Socal Gas (Porter Ranch)

**Sample Date** 02/08/2020

**Received Date** 02/11/2020

**Analyzed Date** 02/18/2020

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**—TENTATIVELY IDENTIFIED COMPOUNDS—**  
**CONCENTRATIONS ARE APPROXIMATED**

**Analyte, Unit**  
No TICs Found, ppbv

**Result**  
0.0

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



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Laboratory No. 2004202-02 - continued

Sample Description SILCO Canister S0449, Socal Gas (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/12/2020

**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	280	0.1	0.3	100-700
Total Calibrated, ppbC	250	0.1	0.3	
Ethane, ppbv	65 (EH)	0.05	0.2	
Ethylene, ppbv	1.0	0.05	0.2	0.7-4.1
Acetylene, ppbv	1.2	0.05	0.2	
Propane, ppbv	11 (EH)	0.03	0.1	0.4-5.0
Propylene, ppbv	J (0.1)	0.03	0.1	0.2-0.7
Isobutane, ppbv	3.7	0.02	0.08	0.2-0.9
n-Butane, ppbv	3.2	0.02	0.08	0.3-1.7
1-Butene, ppbv	0.2	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	J (0.02)	0.02	0.08	
cis-2-Butene, ppbv	J (0.03)	0.02	0.08	
Isopentane, ppbv	4.0	0.02	0.06	
1-Pentene, ppbv	J (0.04)	0.02	0.06	
n-Pentane, ppbv	0.5	0.02	0.06	0.1-0.6
Isoprene, ppbv	J (0.03)	0.02	0.06	
trans-2-Pentene, ppbv	J (0.02)	0.02	0.06	
cis-2-Pentene, ppbv	ND	0.02	0.06	
2,2-Dimethylbutane, ppbv	0.2	0.02	0.05	
Cyclopentane, ppbv	0.07	0.02	0.06	
2,3-Dimethylbutane, ppbv	0.2	0.02	0.05	
2-Methylpentane, ppbv	0.3	0.02	0.05	
3-Methylpentane, ppbv	0.3	0.02	0.05	
1-Hexene, ppbv	J (0.03)	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.2	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	0.2	0.02	0.05	0.1-0.5
Cyclohexane, ppbv	0.1	0.02	0.05	
2-Methylhexane, ppbv	0.08	0.01	0.04	
2,3-Dimethylpentane, ppbv	0.2	0.01	0.04	
3-Methylhexane, ppbv	0.1	0.01	0.04	



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Laboratory No. 2004202-02 - continued

Sample Description SILCO Canister S0449, Socal Gas (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/12/2020

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>
2,2,4-Trimethylpentane, ppbv	0.1	0.01	0.04	
n-Heptane, ppbv	0.08	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.1	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	J (0.04)	0.01	0.04	
Toluene, ppbv	0.4	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	0.05	0.01	0.04	
3-Methylheptane, ppbv	J (0.03)	0.01	0.04	
n-Octane, ppbv	J (0.04)	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	0.06	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	0.1	0.01	0.04	0.1-0.2
Styrene, ppbv	0.05	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	0.05	0.01	0.04	0.1-0.2
n-Nonane, ppbv	J (0.03)	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	J (0.02)	0.01	0.03	
n-Propylbenzene, ppbv	J (0.01)	0.01	0.03	
m-Ethyltoluene, ppbv	J (0.03)	0.01	0.03	
p-Ethyltoluene, ppbv	J (0.01)	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	J (0.01)	0.01	0.03	
o-Ethyltoluene, ppbv	J (0.01)	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	0.06	0.01	0.03	
n-Decane, ppbv	J (0.03)	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	J (0.01)	0.01	0.03	
m-Diethylbenzene, ppbv	ND	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	J (0.01)	0.009	0.03	<0.1
n-Dodecane, ppbv	J (0.01)	0.008	0.02	<0.1

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

EH = Estimated; Exceeds Upper Range



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Laboratory No. 2004202-03

Sample Description SILCO Canister NATTS 0009, Castlebay Lane Elem. (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/13/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.3	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.3	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.3	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.3	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.3	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.1	0.3	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.3	0.1
1,2-Dibromoethane, ppbv	ND	0.02	0.07	
1,2-Dichlorobenzene, ppbv	ND	0.04	0.1	
1,2-Dichloroethane, ppbv	J (0.03)	0.02	0.05	
1,2-Dichloropropane, ppbv	ND	0.03	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.3	0.1
1,3-Butadiene, ppbv	J (0.02)	0.01	0.04	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.3	
1,4-Dichlorobenzene, ppbv	ND	0.08	0.2	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.3	<0.1
2-Butanone (MEK), ppbv	0.7	0.05	0.2	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.3	
Acetone, ppbv	7.6 (EH)	0.07	0.2	7.7
2-Propenal (SIM), ppbv	0.2	0.03	0.08	
Benzene, ppbv	0.2	0.02	0.07	0.6
Benzyl chloride, ppbv	ND	0.1	0.3	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.3	<0.1
Bromoform, ppbv	ND	0.1	0.3	<0.1
Bromomethane, ppbv	ND	0.03	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.3	<0.1
Carbon Tetrachloride, ppbv	0.08	0.02	0.06	0.1
Chlorobenzene, ppbv	ND	0.1	0.3	<0.1
Chloroethane, ppbv	ND	0.1	0.3	<0.1
Chloroform, ppbv	J (0.05)	0.02	0.06	<0.1
Chloromethane, ppbv	0.6	0.1	0.3	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.3	



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Laboratory No.        2004202-03 - continued

Sample Description     SILCO Canister NATTS 0009, Castlebay Lane Elem. (Porter Ranch)

Sample Date 02/08/2020

Received Date 02/11/2020

Analyzed Date 02/13/2020

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.3	
Cyclohexane, ppbv	ND	0.1	0.3	0.1
Dibromochloromethane, ppbv	ND	0.1	0.3	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.4	0.1	0.3	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.3	<0.1
Ethanol, ppbv	10 (LJ)	0.1	0.3	7.3
Ethyl Acetate, ppbv	ND	0.1	0.3	<0.1
Ethylbenzene, ppbv	0.1	0.03	0.08	0.2
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.1	0.3	
Isopropanol, ppbv	1.0 (LJ)	0.1	0.3	
m+p-Xylene, ppbv	0.2	0.04	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.3	
Methyl Methacrylate, ppbv	ND	0.1	0.3	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.09	0.3	
Methylene Chloride, ppbv	0.2	0.03	0.08	0.2
Naphthalene, ppbv	ND (QX)	0.1	0.3	
n-Heptane, ppbv	ND	0.1	0.3	0.2
n-Hexane, ppbv	J (0.2)	0.1	0.3	0.1
o-Xylene, ppbv	0.07	0.02	0.05	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.3	
Propylene, ppbv	J (0.2)	0.1	0.3	0.5
Styrene, ppbv	J (0.05)	0.05	0.1	0.1
Tetrachloroethylene, ppbv	J (0.02)	0.02	0.06	
Tetrahydrofuran, ppbv	ND	0.1	0.3	<0.1
Toluene, ppbv	0.4	0.03	0.09	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.3	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.3	
Trichloroethylene, ppbv	ND	0.03	0.1	<0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.3	0.1
Vinyl acetate, ppbv	ND	0.1	0.3	<0.1
Vinyl chloride, ppbv	ND	0.02	0.07	<0.1

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



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**Laboratory No.**                    **2004202-03 - continued**

**Sample Description**            **SILCO Canister NATTS 0009, Castlebay Lane Elem. (Porter Ranch)**

**Sample Date 02/08/2020**                    **Received Date 02/11/2020**                    **Analyzed Date 02/13/2020**

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*EH = Estimated; Exceeds Upper Range, LJ = Identification of Analyte is Acceptable; Reported Value is an Estimate, QX = Does not meet QC criteria.*





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**Laboratory No.** 2004202-03 - continued  
**Sample Description** SILCO Canister NATTS 0009, Castlebay Lane Elem. (Porter Ranch)  
**Sample Date 02/08/2020** **Received Date 02/11/2020** **Analyzed Date 02/18/2020**

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**—TENTATIVELY IDENTIFIED COMPOUNDS—**  
**CONCENTRATIONS ARE APPROXIMATED**

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

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



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Laboratory No. 2004202-03 - continued  
Sample Description SILCO Canister NATTS 0009, Castlebay Lane Elem. (Porter Ranch)  
Sample Date 02/08/2020 Received Date 02/11/2020 Analyzed Date 02/13/2020

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

Analyte, Unit	Result	MDL	MRL	Ambient Avg
Total NMOC, ppbC	130	0.1	0.3	100-700
Total Calibrated, ppbC	97	0.1	0.3	
Ethane, ppbv	11	0.05	0.2	
Ethylene, ppbv	1.4	0.05	0.2	0.7-4.1
Acetylene, ppbv	1.5	0.05	0.2	
Propane, ppbv	3.4	0.03	0.1	0.4-5.0
Propylene, ppbv	0.2	0.03	0.1	0.2-0.7
Isobutane, ppbv	0.9	0.02	0.08	0.2-0.9
n-Butane, ppbv	2.3	0.02	0.08	0.3-1.7
1-Butene, ppbv	J (0.06)	0.02	0.08	0.1-0.3
trans-2-Butene, ppbv	J (0.02)	0.02	0.08	
cis-2-Butene, ppbv	J (0.03)	0.02	0.08	
Isopentane, ppbv	3.6	0.02	0.06	
1-Pentene, ppbv	J (0.05)	0.02	0.06	
n-Pentane, ppbv	0.4	0.02	0.06	0.1-0.6
Isoprene, ppbv	0.08	0.02	0.06	
trans-2-Pentene, ppbv	J (0.02)	0.02	0.06	
cis-2-Pentene, ppbv	J (0.02)	0.02	0.06	
2,2-Dimethylbutane, ppbv	0.07	0.02	0.05	
Cyclopentane, ppbv	J (0.05)	0.02	0.06	
2,3-Dimethylbutane, ppbv	0.09	0.02	0.05	
2-Methylpentane, ppbv	0.2	0.02	0.05	
3-Methylpentane, ppbv	0.2	0.02	0.05	
1-Hexene, ppbv	J (0.03)	0.02	0.05	<0.1-0.1
n-Hexane, ppbv	0.1	0.02	0.05	0.1-0.2
Methylcyclopentane, ppbv	0.1	0.02	0.05	
2,4-Dimethylpentane, ppbv	0.07	0.01	0.04	
Benzene, ppbv	0.2	0.02	0.05	0.1-0.5
Cyclohexane, ppbv	0.08	0.02	0.05	
2-Methylhexane, ppbv	0.09	0.01	0.04	
2,3-Dimethylpentane, ppbv	0.1	0.01	0.04	
3-Methylhexane, ppbv	0.2	0.01	0.04	



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Laboratory No. 2004202-03 - continued  
Sample Description SILCO Canister NATTS 0009, Castlebay Lane Elem. (Porter Ranch)  
Sample Date 02/08/2020 Received Date 02/11/2020 Analyzed Date 02/13/2020

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

Analyte, Unit	Result	MDL	MRL	Ambient Avg
2,2,4-Trimethylpentane, ppbv	0.2	0.01	0.04	
n-Heptane, ppbv	0.09	0.01	0.04	0.1-0.2
Methylcyclohexane, ppbv	0.07	0.01	0.04	
2,3,4-Trimethylpentane, ppbv	0.05	0.01	0.04	
Toluene, ppbv	0.4	0.01	0.04	0.1-0.6
2-Methylheptane, ppbv	J (0.03)	0.01	0.04	
3-Methylheptane, ppbv	J (0.03)	0.01	0.04	
n-Octane, ppbv	0.05	0.01	0.04	<0.1-0.3
Ethylbenzene, ppbv	0.06	0.01	0.04	0.1-0.2
m+p-Xylene, ppbv	0.2	0.01	0.04	0.1-0.2
Styrene, ppbv	0.08	0.01	0.04	<0.1-0.2
o-Xylene, ppbv	0.07	0.01	0.04	0.1-0.2
n-Nonane, ppbv	0.04	0.01	0.03	<0.1-0.1
Isopropylbenzene, ppbv	J (0.02)	0.01	0.03	
n-Propylbenzene, ppbv	J (0.02)	0.01	0.03	
m-Ethyltoluene, ppbv	J (0.03)	0.01	0.03	
p-Ethyltoluene, ppbv	J (0.02)	0.01	0.03	
1,3,5-Trimethylbenzene, ppbv	J (0.01)	0.01	0.03	
o-Ethyltoluene, ppbv	J (0.02)	0.01	0.03	
1,2,4-Trimethylbenzene, ppbv	0.2	0.01	0.03	
n-Decane, ppbv	0.04	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene, ppbv	J (0.02)	0.01	0.03	
m-Diethylbenzene, ppbv	J (0.01)	0.01	0.03	
p-Diethylbenzene, ppbv	ND	0.01	0.03	
n-Undecane, ppbv	J (0.02)	0.009	0.03	<0.1
n-Dodecane, ppbv	J (0.01)	0.008	0.02	<0.1

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

A

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

DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT  
**LABORATORY NO**

2004202



TO: SCAQMD LAB:  OTHER:   
 SOURCE NAME: Porter Ridge Park (Porter Ranch) I.D. No. \_\_\_\_\_  
 Source Address: ~~343116-118.5462 Porter fire road~~ SD City: Porter Ranch  
 Mailing Address: Muirkirk Dr City: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 02-09-20  
 Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716  
 REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: J. Caldero Date: 02-09-20 Time: 0832

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time/ duration	Start vac	End vac
-01 Park	Natts 0020	02-08-20 / 00:01 / 1438 min	-30	-1

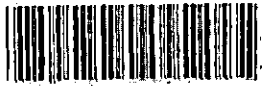
Relinquished by	Received by	Firm/Agency	Date	Time
J. Caldero	NATTS SHELF	SCAQMD	2/9/20	11:30
NATTS shelf	R. Lopez	SCAQMD LAB	2/11/2020	11:37

A

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

DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT  
LABORATORY:

2004202



TO: SCAQMD LAB:  OTHER:   
SOURCE NAME: Socal Gas (Porter Ranch) I.D. No. \_\_\_\_\_  
Source Address: 34.3116 -118.5462 Porter fire road City: Porter Ranch  
Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 02-09-20  
Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716  
REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: J. Caldero Date: 02-09-20 Time: 0815

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time/ duration	Start vac	End vac
-02 Turn-out	S00449	02-08-20 / 00:01 / 1438 min	-30	0

SO 449  
RL 2/11/2020

Relinquished by	Received by	Firm/Agency	Date	Time
J. Caldero	NATE Shelf	SCAQMD	2/9/20	11:30
NATE Shelf	R. Lopez	SCAQMD LAB	2/11/2020	11:37

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

DISTRICT INFO  
 INVOICE SOU  
 LAP AUDIT  
**LABORATORY**

2004202



TO: SCAQMD LAB:  OTHER:   
 SOURCE NAME: Castlebay Lane Elem. (Porter Ranch) I.D. No. \_\_\_\_\_  
 Source Address: 19010 Castlebay Ln City: Porter Ranch  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 02-09-20  
 Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716  
 REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: J. Caldero Date: 02-09-20 Time: 9:00am

**REQUESTED ANALYSIS: GCMS**

Location	Can#	Start day / time/ duration	Start vac	End vac
-03 School yard	NATTS 0009	02-08-20 / 00:01 / 1438 min	-30	-1

Relinquished by	Received by	Firm/Agency	Date	Time
J. Caldero	Natthe Shell	SCAQMD	2/9/20	11:30
Natthe Shell	R. Lopez	SCAQMD LAB	2/11/2020	11:37