

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

SGS Job Number: JE4686

Sampling Date: 01/20/25

Report to:

Providence Engineering

1201 Main Street

Baton Rouge, LA 70802

brandonkilpatrick@providenceeng.com; kennethpaille@providenceeng.com

ATTN: Brandon Kilpatrick

Total number of pages in report: 38



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV,AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Sample Results	4
2.1: JE4686-1: CAMS 816	5
Section 3: Misc. Forms	8
3.1: Chain of Custody	9
3.2: Summa Canister and Flow Controller Log	12
Section 4: MS Volatiles - QC Data Summaries	13
4.1: Method Blank Summary	14
4.2: Blank Spike/Blank Spike Duplicate Summary	20
4.3: Duplicate Summary	26
4.4: Summa Cleaning Certification	29
4.5: Instrument Performance Checks (BFB)	32
4.6: Surrogate Recovery Summaries	38



Sample Summary

Providence Engineering

Job No: JE4686

Valero-CAMS, Baton Rouge, LA
Project No: 712-001

Sample Number	Collected Date	Time By	Matrix Received	Code Type	Client Sample ID
---------------	----------------	---------	-----------------	-----------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE4686-1	01/20/25	11:24 DJ	01/27/25	AIR	Ambient Air Comp.	CAMS 816
----------	----------	----------	----------	-----	-------------------	----------

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: CAMS 816		
Lab Sample ID: JE4686-1		Date Sampled: 01/20/25
Matrix: AIR - Ambient Air Comp. Summa ID: A1727		Date Received: 01/27/25
Method: TO-15		Percent Solids: n/a
Project: Valero-CAMS, Baton Rouge, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W56723.D	1	02/08/25 06:02	TCH	n/a	n/a	V5W2172
Run #2							

Run #	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	1.1	0.20	0.15	ppbv		2.6	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.047	ppbv		ND	0.64	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.090	ppbv		1.1	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	0.15	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	0.17	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.20	0.10	ppbv		2.8	0.99	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	0.78	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CAMS 816	Date Sampled:	01/20/25
Lab Sample ID:	JE4686-1	Date Received:	01/27/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1727	Percent Solids:	n/a
Method:	TO-15		
Project:	Valero-CAMS, Baton Rouge, LA		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	6.2	0.50	0.39	ppbv	12	0.94	0.73		ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv	ND	0.87	0.26		ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.10	ppbv	ND	0.72	0.36		ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv	ND	0.98	0.47		ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.031	ppbv	ND	1.5	0.24		ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.050	ppbv	ND	1.4	0.35		ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.091	ppbv	ND	0.82	0.37		ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.062	ppbv	ND	2.1	0.66		ug/m3
110-54-3	86.18	Hexane	0.26	0.20	0.052	ppbv	0.92	0.70	0.18		ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv	ND	0.82	0.61		ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.14	ppbv	ND	0.49	0.34		ug/m3
75-09-2	84.94	Methylene chloride	0.46	0.20	0.13	ppbv	1.6	0.69	0.45		ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.11	ppbv	ND	0.59	0.32		ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv	ND	0.82	0.30		ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv	ND	0.72	0.29		ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv	ND	0.82	0.29		ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv	ND	0.86	0.24		ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.053	ppbv	ND	0.85	0.23		ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv	ND	1.1	0.43		ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv	ND	1.4	0.33		ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv	ND	1.1	0.21		ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv	ND	1.5	0.89		ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv	ND	0.98	0.43		ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv	ND	0.98	0.39		ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv	ND	0.93	0.19		ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv	ND	0.61	0.28		ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.014	ppbv	ND	0.27	0.095		ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv	ND	0.59	0.27		ug/m3
108-88-3	92.14	Toluene	ND	0.20	0.057	ppbv	ND	0.75	0.21		ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv	ND	0.21	0.10		ug/m3
75-69-4	137.4	Trichlorofluoromethane ^a	0.32	0.20	0.15	ppbv	1.8	1.1	0.84		ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.069	ppbv	ND	0.51	0.18		ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv	ND	0.70	0.39		ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv	ND	0.87	0.61		ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv	ND	0.87	0.33		ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv	ND	0.87	0.33		ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CAMS 816	Date Sampled:	01/20/25
Lab Sample ID:	JE4686-1	Date Received:	01/27/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1727	Percent Solids:	n/a
Method:	TO-15		
Project:	Valero-CAMS, Baton Rouge, LA		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
---------	----	----------	--------	----	-----	-------	---	--------	----	-----	-------

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

