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: JD47605

Sampling Date: 06/23/22

Report to:

Providence Engineering

kevincalhoun@providenceeng.com

ATTN: Kevin Calhoun

Total number of pages in report: 11

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.

David Chastain
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

Sections: 1 2 3

Table of Contents

Sample Summary

Providence Engineering

Job No: JD47605

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD47605-1	06/23/22	09:30	CTG	06/24/22	AIR	Ambient Air Comp.	CAMS 660

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

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CAMS 660		
Lab Sample ID:	JD47605-1	**Date Sampled:**	06/23/22
Matrix:	AIR - Ambient Air Comp. Summa ID: M174	**Date Received:**	06/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Valero-CAMS, Baton Rouge, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W76789.D	1	07/01/22 22:44	TCH	n/a	n/a	V3W3021
Run #2							

	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)	12.9	0.20	0.15	ppbv		30.6	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	0.21	0.20	0.062	ppbv		0.67	0.64	0.20	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 [a]	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.20	0.20	0.037	ppbv		0.98	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.78	0.20	0.090	ppbv		1.6	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	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.64	0.20	0.057	ppbv		2.6	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.27	0.20	0.059	ppbv		1.1	0.79	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.16	0.20	0.070	ppbv	J	0.65	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	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.20	0.032	ppbv		2.1	0.99	0.16	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	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2.9	0.20	0.077	ppbv		11	0.79	0.31	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 [a]	ND	0.20	0.040	ppbv		ND	1.2	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene [a]	ND	0.20	0.15	ppbv		ND	1.2	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene [a]	ND	0.20	0.19	ppbv		ND	1.2	1.1	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 660		
Lab Sample ID:	JD47605-1	**Date Sampled:**	06/23/22
Matrix:	AIR - Ambient Air Comp. Summa ID: M174	**Date Received:**	06/24/22
Method:	TO-15	**Percent Solids:**	n/a
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	4.8	0.50	0.39	ppbv		9.0	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	0.98	0.20	0.10	ppbv		3.5	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	0.21	0.20	0.031	ppbv		1.6	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	0.10	0.20	0.092	ppbv	J	0.41	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene [a]	ND	0.20	0.062	ppbv		ND	2.1	0.66	ug/m3
110-54-3	86.18	Hexane	0.35	0.20	0.11	ppbv		1.2	0.70	0.39	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	1.4	0.20	0.14	ppbv		3.4	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.93	0.20	0.056	ppbv		3.2	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.0	0.20	0.11	ppbv		2.9	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.13	0.20	0.073	ppbv	J	0.53	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	0.27	0.20	0.12	ppbv		1.1	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.28	0.20	0.037	ppbv		1.5	1.1	0.20	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 [a]	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	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.11	0.20	0.093	ppbv	J	0.33	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.12	0.040	0.014	ppbv		0.81	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	0.50	0.20	0.057	ppbv		1.9	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.12	0.040	0.019	ppbv		0.64	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.43	0.20	0.036	ppbv		2.4	1.1	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	0.21	0.20	0.069	ppbv		0.54	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	0.29	0.20	0.14	ppbv		1.3	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.11	0.20	0.077	ppbv	J	0.48	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	0.40	0.20	0.077	ppbv		1.7	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		65-128%

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 660		
Lab Sample ID:	JD47605-1	**Date Sampled:**	06/23/22
Matrix:	AIR - Ambient Air Comp. Summa ID: M174	**Date Received:**	06/24/22
Method:	TO-15	**Percent Solids:**	n/a
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, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

CHAIN OF CUSTODY - AIR

PAGE ___ OF ___

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX 732-329-3499
www.sgs.com/ehsusa

FED-EX Tracking #: 775-8822322-213
Bottle Order Control #:
SGS Quote #:
SGS Job #: JD47605

Client / Reporting Information
Company Name: PROVIDENCE
Address: 1201 MAIN ST.
City: BATON ROUGE State: LA Zip: 70802
Project Contact: BRANDON.KOPPENOL@PROVIDENCEENG.COM E-mail:
Phone #: (225) 766-9800
Sampler(s) Name(s): B. KOPPENOL

Project Information
Project Name: UNION KREWSVILLE
Street:
City: MEMPHIS State: LA
Project #: 72.001
Client Purchase Order #:

Weather Parameters
Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmospheric Pressure (Inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Requested Analysis
TO-15

Lab Sample #	Field ID / Point of Collection	Air Type: Ind (I) Soil Vap (SV) Amb (A)	Air Type: Res (R) Non-Res (NR)	Sampling Equipment Info: Canister Serial #	Sampling Equipment Info: Canister Size 6L or 1L	Sampling Equipment Info: Flow Controller Serial #	Start Sampling Information: Date	Start Sampling Information: Time (24hr clock)	Start Sampling Information: Canister Pressure ("Hg)	Start Sampling Information: Interior Temp (F)	Start Sampling Information: Sampler Init.	Stop Sampling Information: Date	Stop Sampling Information: Time (24hr clock)	Stop Sampling Information: Canister Pressure ("Hg)	Stop Sampling Information: Interior Temp (F)	Stop Sampling Information: Sampler Init.
1	CANS 660	A		M174	6L	537	6/22	0930	30	75	BK	6/23/22	0930	5.0	75	CK

Turnaround Time (Business days)
X 15 Business Days
10 Business Days
5 Business Days
3 Business Days *
2 Business Days *
1 Business Day *
Other
Approved By:
Date:
* Approval needed for 1-3 Business Day TAT

Data Deliverable Information
All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks
Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Laboratory	Date / Time		Received By	Relinquished By	Date / Time	Received By
1		6/24/22 7:40		Braickberg Eng.	Christopher Gant	6/23/22 1300	Fedex
3	Fedex	6/24/22 10:00					
5					Custody Seal #		

http://www.sgs.com/en/terms-and-conditions

Initial Assessment 4A
Label Verification

EHSA-QAC-0022-01-FORM-Dayton-Air COC
Rev.date:1/15/2021

JD47605: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD47605 **Client:** PROVIDENCE ENG **Project:** PROVIDENCE - CAMS

Date / Time Received: 6/24/2022 10:00:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD47605: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JD47605
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 06/24/22

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M174	6	29.4	05/26/22	CB	CP11711	2W59265.D	JD47605-1	07/01/22	MJ	5			1

SGS Bottle Order(s):
JS-052322-213

Prep Date	Room Temp(F)	Bar Pres "Hg
05/26/22	70	29.92