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

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Automated Report

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

0712-001

SGS Job Number: JD89633

Sampling Date: 05/25/24

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: 37

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.

David Chastain
General Manager

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

Sections: 1 2 3 4

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SGS North America Inc.

Sample Summary

Providence Engineering

Job No: JD89633

Valero-CAMS, Baton Rouge, LA
Project No: 0712-001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD89633-1	05/25/24	08:10	TSK	05/31/24	AIR	Ambient Air Comp.	CAMS 776

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

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	CAMS 776		
Lab Sample ID:	JD89633-1	**Date Sampled:**	05/25/24
Matrix:	AIR - Ambient Air Comp. Summa ID: A1611	**Date Received:**	05/31/24
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	8W05818.D	1	06/13/24 01:23	TCH	n/a	n/a	V8W220
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)	4.4	0.20	0.15	ppbv		10	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	0.15	0.20	0.047	ppbv	J	0.48	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 [a]	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	0.67	0.20	0.090	ppbv		1.4	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	0.14	0.20	0.045	ppbv	J	0.48	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	0.34	0.20	0.10	ppbv		1.7	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 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

SGS North America Inc.

Report of Analysis

Client Sample ID: CAMS 776
Lab Sample ID: JD89633-1
Matrix: AIR - Ambient Air Comp. Summa ID: A1611
Method: TO-15
Project: Valero-CAMS, Baton Rouge, LA

Date Sampled: 05/25/24
Date Received: 05/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	7.4	0.50	0.39	ppbv		14	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	0.17	0.20	0.091	ppbv	J	0.70	0.82	0.37	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.20	0.062	ppbv		ND	2.1	0.66	ug/m3
110-54-3	86.18	Hexane	0.40	0.20	0.052	ppbv		1.4	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	0.34	0.20	0.14	ppbv		0.84	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.45	0.20	0.13	ppbv		1.6	0.69	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.69	0.20	0.11	ppbv		2.0	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 [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	0.24	0.20	0.040	ppbv		1.1	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	0.45	0.20	0.057	ppbv		1.7	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	0.20	0.20	0.15	ppbv		1.1	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	0.20	0.20	0.14	ppbv		0.87	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)	0.20	0.20	0.077	ppbv		0.87	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	CAMS 776		
Lab Sample ID:	JD89633-1	**Date Sampled:**	05/25/24
Matrix:	AIR - Ambient Air Comp. Summa ID: A1611	**Date Received:**	05/31/24
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.
(b) 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

AIR CHAIN OF CUSTODY

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

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Air

FED-EX Tracking # 7765 8734 1442
Bottle Order Control # AC-01924-150
SGS Quote #
SGS Job # JD89633

Client / Reporting Information

Company Name: Providence Engineering
Address: 1201 Main Street
City: Baton Rouge State: LA Zip: 70802
Project Contact: Brandon Kilpatrick E-mail: brandonkilpatrick@providenceeng.com
Phone #: 225-766-7400 Fax #:
Sampler(s) Name(s): Brandon Kilpatrick

Project Information

Project Name: Valero Refining
Street:
City: Meraux State: LA
Project #: 0712-001
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmoshpheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Requested Analysis

TO-15

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	TO-15
1	CAMS 775	A	A1611	6L	687	5/24/2024	810	30	74	JK	5/25/2024	810	5	75	JK	X

Turnaround Time (Business days)

- [X] Standard - 15 Days
- [ ] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Other

Approved By: ___
Date: ___

Data Deliverable Information

All NJDEP TO-15 is Mandatory Full T1

- Comm A
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks

Initial Assessment YB
Verification
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	[signature]	5/24/24 0855	[signature]	[signature]	5/28/24 1525	fedex
3	fedex	5/31 1000	[signature]	[signature]		
5			[signature]	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

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