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Automated Report

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

SGS Job Number: JD26150

Sampling Date: 06/02/21

Report to:

Providence Engineering

kevincalhoun@providenceeng.com

ATTN: Kevin Calhoun

Total number of pages in report: 10



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.

A handwritten signature in black ink that reads "Caitlin Brice".

Caitlin Brice, M.S.
General Manager

Client Service contact: Shalini Williams 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, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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Sample Summary

Providence Engineering

Job No: JD26150

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

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JD26150-1	06/02/21	11:15 MA	06/07/21	AIR	Ambient Air Comp.	CAMS 597
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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: CAMS 597		
Lab Sample ID: JD26150-1		Date Sampled: 06/02/21
Matrix: AIR - Ambient Air Comp.	Summa ID: M152	Date Received: 06/07/21
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	2W53963.D	1	06/09/21 17:10	TCH	n/a	n/a	V2W2391
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	4.9	0.20	0.11	ppbv		12	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.012	ppbv	J	0.48	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.027	ppbv		ND	1.3	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	0.77	0.20	0.015	ppbv		1.6	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.024	ppbv		ND	1.3	0.15	ug/m3
110-82-7	84.16	Cyclohexane	0.16	0.20	0.022	ppbv	J	0.55	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.017	ppbv		ND	0.79	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.018	ppbv		ND	1.5	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.20	0.017	ppbv		2.4	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.033	ppbv		ND	1.7	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.012	ppbv		ND	0.79	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.018	ppbv		ND	1.2	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	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

Report of Analysis

Client Sample ID:	CAMS 597	Date Sampled:	06/02/21
Lab Sample ID:	JD26150-1	Date Received:	06/07/21
Matrix:	AIR - Ambient Air Comp. Summa ID: M152	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	7.9	0.50	0.22	ppbv		15	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.16	0.20	0.015	ppbv	J	0.69	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	2.3	0.20	0.038	ppbv		8.3	0.72	0.14	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.030	ppbv		ND	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.017	ppbv		ND	1.5	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.019	ppbv		ND	1.4	0.13	ug/m3
142-82-5	100.2	Heptane	0.31	0.20	0.018	ppbv		1.3	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	0.49	ug/m3
110-54-3	86.17	Hexane	0.51	0.20	0.011	ppbv		1.8	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.9	0.20	0.065	ppbv		17	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.87	0.20	0.015	ppbv		3.0	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.46	0.20	0.042	ppbv		1.4	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	ND	0.50	0.016	ppbv		ND	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.098	0.20	0.019	ppbv	J	0.42	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.033	ppbv		ND	1.1	0.18	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.027	ppbv		ND	1.4	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.089	ppbv		ND	1.5	0.66	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.17	0.20	0.033	ppbv	J	0.84	0.98	0.16	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.35	0.20	0.022	ppbv		1.6	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.16	0.20	0.014	ppbv	J	0.49	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.031	ppbv		ND	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.78	0.20	0.014	ppbv		2.9	0.75	0.053	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	0.23	0.20	0.028	ppbv		1.3	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.54	0.20	0.034	ppbv		2.3	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.17	0.20	0.017	ppbv	J	0.74	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	0.70	0.20	0.017	ppbv		3.0	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log



AIR

AIR CHAIN OF CUSTODY

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

Field Tracking # 7738 0586 6664
SGS Quote # CW-05421-10
SGS Job # JD26150

Client / Reporting Information			Project Information				Weather Parameters				Requested Analysis					
Company Name Providence Eng			Project Name Valero Refining				Temperature (Fahrenheit)				Requested Analysis					
Address 1201 Main St			Street				Start:		Maximum:							
City Boston Range			City Mercut				Stop:		Minimum:							
State LA			State LA				Atmospheric Pressure (inches of Hg)									
Zip 70802			Project # 712-001				Start:		Maximum:		TO-15 Summa					
Project Contact Brandon Kipatrick			Client Purchase Order #				Stop:		Minimum:							
Phone # 225-766-7400							Other weather comment:									
Email brankipatrick@providenceeng.com																
Sample Name(s) Kenneth Faith / Michael J Ambrus																
Lab Sample #	Field ID / Point of Collection	Air Type	Sampling Equipment Info			Start Sampling Information					Stop Sampling Information					
			Indoor (I) Soil Vap (SV) Ambient (A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
1	CAMS 597	A	M152	6L	537	6-21	1115	30	77	10	6-21	1115	5	75	MA	
Turnaround Time (Business days)			Data Deliverable Information				Comments / Remarks									
<input checked="" type="checkbox"/> Standard - 15 Days <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day <input type="checkbox"/> Other			Approved By: _____ Date: _____				All NJDEP TO-15 is mandatory Full T1 Comm A _____ Comm B _____ Reduced T2 _____ Full T1 _____ Other: _____ DKQP reporting _____					INITIAL ASSESSMENT HA-P-P LABEL VERIFICATION PP Sample inventory is verified upon receipt in the Laboratory				
Sample Custody must be documented below each time samples change possession, including courier delivery.																
Relinquished to Laboratory		Date Time		Received By		Relinquished By		Date Time		Received By		Relinquished By		Date Time		
1 Th Ambrus		7/16/2021 07:30		Michael J Ambrus		2 PP		21 June 21 1338		Fedex		3 PP		7/16/2021 10:45		
3 Fedex		7/16/2021 10:45		3 PP		4 PP		4		4		5 PP		6/17/2021		
5				5		Custody Seal #										



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SGS Sample Receipt Summary

Job Number: JD26150

Client: PROVIDENCE ENG

Project: PROVIDENCE - CAMS

Date / Time Received: 6/7/2021 10:45:00 AM

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security

- | | |
|--|---|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | 3. COC Present: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> |

Cooler Temperature

- | | |
|--|-----|
| 1. Temp criteria achieved: <input type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | |
| 2. Cooler temp verification: _____ | N/A |
| 3. Cooler media: _____ | N/A |
| 4. No. Coolers: _____ | N/A |

Quality Control Preservation

- | | |
|--|--|
| 1. Trip Blank present / cooler: <input type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> <input checked="" type="checkbox"/> <u>N/A</u> | |
| 2. Trip Blank listed on COC: <input type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> <input checked="" type="checkbox"/> <u>N/A</u> | |
| 3. Samples preserved properly: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | |
| 4. VOCs headspace free: <input type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> <input checked="" type="checkbox"/> <u>N/A</u> | |

Sample Integrity - Documentation

- | | |
|---|--|
| 1. Sample labels present on bottles: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | |
| 2. Container labeling complete: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | |
| 3. Sample container label / COC agree: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | |

Sample Integrity - Condition

- | | |
|---|--------|
| 1. Sample recvd within HT: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | |
| 2. All containers accounted for: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions

- | | | |
|---|--|--|
| 1. Analysis requested is clear: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | | |
| 2. Bottles received for unspecified tests: <input type="checkbox"/> <u>Y</u> <input checked="" type="checkbox"/> <u>N</u> | | |
| 3. Sufficient volume recvd for analysis: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | | |
| 4. Compositing instructions clear: <input type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> <input checked="" type="checkbox"/> <u>N/A</u> | | |
| 5. Filtering instructions clear: <input type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> <input checked="" type="checkbox"/> <u>N/A</u> | | |

Test Strip Lot #s: pH 1-12: 212820 pH 12+: 203117A Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JD26150: Chain of Custody

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Summa Canister and Flow Controller Log

Job Number: JD26150
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 06/07/21

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SUMMA CANISTERS													
Shipping							Receiving						
Summa ID	Vac L	Date " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact

M152	6	29.4	05/07/21	WC	CP11172	5W43711.D	JD26150-1	06/09/21	NH	5.5			1
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SGS Bottle Order(s):
 SW-05421-40

Prep Date	Room Temp(F)	Bar Pres "Hg
05/07/21	70	29.92