

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

Accutest Job Number: JB37476

Sampling Date: 05/11/13

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 Conference and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Victoria Pushkova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Sample Results	4
2.1: JB37476-1: CAMS 105	5
Section 3: Misc. Forms	7
3.1: Chain of Custody	8
3.2: Summa Canister and Flow Controller Log	10



Sample Summary

Providence Engineering

Job No: JB37476

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

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB37476-1	05/11/13	13:00 KH	05/20/13	AIR	Ambient Air Grab	CAMS 105

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CAMS 105	Date Sampled:	05/11/13
Lab Sample ID:	JB37476-1	Date Received:	05/20/13
Matrix:	AIR - Ambient Air Grab Summa ID: A778	Percent Solids:	n/a
Method:	TO-15		
Project:	Valero-CAMS, Baton Rouge, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W33909.D	1.48	05/21/13	YMH	n/a	n/a	V3W1311
Run #2							

Run #	Initial Volume
Run #1	592 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	4.8	0.20	0.069	ppbv	11	0.48	0.16	ug/m3	
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv	ND	0.44	0.058	ug/m3	
71-43-2	78.11	Benzene	0.37	0.20	0.029	ppbv	1.2	0.64	0.093	ug/m3	
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv	ND	1.3	0.21	ug/m3	
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv	ND	2.1	0.30	ug/m3	
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv	ND	0.78	0.093	ug/m3	
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv	ND	0.87	0.12	ug/m3	
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv	ND	1.0	0.25	ug/m3	
75-15-0	76.14	Carbon disulfide	0.20	0.20	0.024	ppbv	0.62	0.62	0.075	ug/m3	
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv	ND	0.92	0.18	ug/m3	
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv	ND	0.53	0.092	ug/m3	
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv	ND	0.98	0.13	ug/m3	
74-87-3	50.49	Chloromethane	0.88	0.20	0.055	ppbv	1.8	0.41	0.11	ug/m3	
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv	ND	0.63	0.11	ug/m3	
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.031	ppbv	ND	1.0	0.16	ug/m3	
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv	ND	1.3	0.13	ug/m3	
110-82-7	84.16	Cyclohexane	0.39	0.20	0.050	ppbv	1.3	0.69	0.17	ug/m3	
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv	ND	0.81	0.077	ug/m3	
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv	ND	0.79	0.091	ug/m3	
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv	ND	1.5	0.22	ug/m3	
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv	ND	0.81	0.11	ug/m3	
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv	ND	0.92	0.16	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	0.61	0.20	0.024	ppbv	3.0	0.99	0.12	ug/m3	
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv	ND	1.7	0.30	ug/m3	
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv	ND	0.79	0.11	ug/m3	
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv	ND	0.79	0.099	ug/m3	
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv	ND	0.91	0.15	ug/m3	
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv	ND	1.2	0.17	ug/m3	
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv	ND	1.2	0.23	ug/m3	
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv	ND	1.2	0.36	ug/m3	
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv	ND	0.91	0.11	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 105	Date Sampled:	05/11/13
Lab Sample ID:	JB37476-1	Date Received:	05/20/13
Matrix:	AIR - Ambient Air Grab Summa ID: A778	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	4.0	0.50	0.17	ppbv		7.5	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.40	0.20	0.029	ppbv		1.7	0.87	0.13	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.13	ppbv		ND	0.72	0.47	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.11	0.20	0.028	ppbv	J	0.54	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.50	0.20	0.028	ppbv		2.0	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	1.1	0.20	0.050	ppbv		3.9	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.80	0.20	0.065	ppbv		2.0	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.27	0.20	0.055	ppbv		0.94	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.59	0.20	0.042	ppbv		1.7	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.038	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.034	ppbv		ND	0.86	0.058	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.095	ppbv		ND	1.5	0.71	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.39	0.20	0.029	ppbv		1.9	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.14	0.20	0.044	ppbv	J	0.69	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.92	0.20	0.031	ppbv		4.3	0.93	0.14	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.33	0.20	0.049	ppbv		1.0	0.61	0.15	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	2.0	0.20	0.032	ppbv		7.5	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.20	0.028	ppbv		1.6	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	0.054	ppbv		ND	0.70	0.19	ug/m3
	106.2	m,p-Xylene	1.5	0.20	0.058	ppbv		6.5	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.53	0.20	0.037	ppbv		2.3	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	2.1	0.20	0.037	ppbv		9.1	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

Accutest Job Number: JB37476 **Client:** _____ **Project:** _____
Date / Time Received: 5/20/2013 **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Initial/Adjusted):

<u>Cooler Security</u>	<u>Y or N</u>	<u>Y or N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>	3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/> <input type="checkbox"/>	4. SmpI Dates/Time OK <input checked="" type="checkbox"/> <input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Cooler temp verification:	_____
3. Cooler media:	_____
4. No. Coolers:	0

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

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

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

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

Comments

3.1
3

Summa Canister and Flow Controller Log

Job Number: JB37476
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 05/20/13

32
3

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
A778	6	29.4	04/11/13	DF	CP6126	W41184.D	JB37476-1	05/20/13	YMH	8		1.2	1.48

Accutest Bottle Order(s):
 MO-4/11/2013-14

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 04/11/13 70 29.92