

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

Accutest Job Number: JB24665

Sampling Date: 12/12/12

Report to:

Providence Engineering

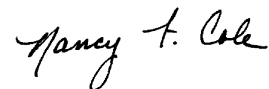
kevincalhoun@providenceeng.com

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

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Test results relate only to samples analyzed.

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Sample Summary

Providence Engineering

Job No: JB24665

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

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB24665-1	12/12/12	13:00 KH	12/22/12	AIR	Ambient Air Grab	CAMS 080

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CAMS 080	Date Sampled:	12/12/12
Lab Sample ID:	JB24665-1	Date Received:	12/22/12
Matrix:	AIR - Ambient Air Grab	Summa ID:	A1012
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	W39627.D	1	12/28/12	YMH	n/a	n/a	VW1600
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	Units
67-64-1	58.08	Acetone	3.7	0.20	0.069	ppbv		8.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.25	0.20	0.029	ppbv		0.80	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.38	0.20	0.055	ppbv		0.78	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.024	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	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 080	Date Sampled:	12/12/12
Lab Sample ID:	JB24665-1	Date Received:	12/22/12
Matrix:	AIR - Ambient Air Grab	Summa ID:	A1012
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	Units
64-17-5	46.07	Ethanol	9.3	0.50	0.17	ppbv		18	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.18	0.20	0.029	ppbv	J	0.78	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.80	0.20	0.13	ppbv		2.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.23	0.20	0.028	ppbv		1.1	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.028	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.22	0.20	0.050	ppbv		0.78	0.70	ug/m3
591-78-6	100	2-Hexanone	0.13	0.20	0.051	ppbv	J	0.53	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.76	0.20	0.065	ppbv		1.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.055	ppbv		0.73	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.65	0.20	0.042	ppbv		1.9	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.14	0.20	0.084	ppbv	J	0.57	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.038	ppbv		ND	0.82	ug/m3
115-07-1	42	Propylene	ND	0.50	0.034	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.10	0.20	0.025	ppbv	J	0.43	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.095	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.76	0.20	0.029	ppbv		3.7	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.27	0.20	0.044	ppbv		1.3	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.31	0.20	0.049	ppbv		0.94	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.4	0.20	0.032	ppbv		5.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.028	ppbv		1.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.054	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.43	0.20	0.058	ppbv		1.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.23	0.20	0.037	ppbv		1.0	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.66	0.20	0.037	ppbv		2.9	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		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

AIN



CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking # 8005 2654 5174 VP-11119/2012-21 PAGE 1 OF 1
 Lab Quote # JB 24665
 Lab Job # JB 24665

Company Name: Providence Engr				Project Name: Valero Refining				Weather Parameters				Requested Analysis																																																																											
Address: 1201 Main St				Street: Meraux				Temperature (Fahrenheit)				Standard TO-15 Reporting List																																																																											
City: BR State: CA Zip: 70802				City: Meraux State: CA				Start: Maximum:																																																																															
Project Contact: Paul Hollis @ providenceeng.com				Project #: 712-001				Stop: Minimum:																																																																															
Phone #: 225-766-7400 Fax #: -7440				Client Purchase Order #				Atmospheric Pressure (inches of Hg)																																																																															
Sampler(s) Name(s): K. Hudson				Other weather comment:				Start: Maximum:																																																																															
								Stop: Minimum:																																																																															
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 080	A	A1012	6L	-	12-11	1300	0.50	75	KH	12-12	1300	11.52	75	KH	✓																																																																							
<table border="1"> <tr> <th colspan="4">Turnaround Time (Business days)</th> <th colspan="4">Data Deliverable Information</th> <th colspan="4">Comments / Remarks</th> </tr> <tr> <td>Standard - 15 Day</td> <td></td> <td>Approved By:</td> <td></td> <td colspan="4">All NJDEP TO-15 is mandatory Full T1</td> <td colspan="4" rowspan="5">SOHAA</td> </tr> <tr> <td>10 Day</td> <td></td> <td>Date:</td> <td></td> <td>Comm A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5 Day</td> <td></td> <td></td> <td></td> <td>Comm B</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3 Day</td> <td></td> <td></td> <td></td> <td>Reduced T2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 Day</td> <td></td> <td></td> <td></td> <td>Full T1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 Day</td> <td></td> <td></td> <td></td> <td>Other:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																Turnaround Time (Business days)				Data Deliverable Information				Comments / Remarks				Standard - 15 Day		Approved By:		All NJDEP TO-15 is mandatory Full T1				SOHAA				10 Day		Date:		Comm A				5 Day				Comm B				3 Day				Reduced T2				2 Day				Full T1				1 Day				Other:				Other							
Turnaround Time (Business days)				Data Deliverable Information				Comments / Remarks																																																																															
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2 Day				Full T1																																																																																			
1 Day				Other:																																																																																			
Other																																																																																							
Sample Custody must be documented below each time samples change possession, including courier delivery.																																																																																							
Relinquished by: [Signature]	Date Time: 11/21/12	Received By: FEDEX	Relinquished By: FEDEX	Date Time:	Received By: [Signature]																																																																																		
Relinquished by: [Signature]	Date Time: 12/20/12	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 12/20/12 1353	Received By: FEDEX																																																																																		
Relinquished by: FEDEX	Date Time: 12/20/12	Received By: FEDEX	Custody Seal #																																																																																				

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REC'D BY FEDEX REC'D BY [Signature]

JB24665: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB24665 **Client:** _____ **Project:** _____
Date / Time Received: 12/22/2012 **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Initial/Adjusted):

Cooler Security	<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"/>

Cooler Temperature	<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

Quality Control Preservation	<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"/>

Sample Integrity - Documentation	<u>Y or 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"/>

Sample Integrity - Condition	<u>Y or 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

Sample Integrity - Instructions	<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

Summa Canister and Flow Controller Log

Job Number: JB24665
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 12/22/12

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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
A1012	6	29.4	12/03/12	HT	CP5829	3W31178.D	JB24665-1	12/24/12	HT	6			1

Accutest Bottle Order(s):
 VP-12/3/2012-28

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 12/03/12 70 29.92