

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

Accutest Job Number: JB18888

Sampling Date: 10/07/12

Report to:

Providence Engineering

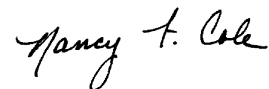
kevincalhoun@providenceeng.com

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: JB18888

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

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB18888-1	10/07/12	13:00 KH	10/11/12	AIR	Ambient Air Grab	CAMS 069

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID: CAMS 069	Date Sampled: 10/07/12
Lab Sample ID: JB18888-1	Date Received: 10/11/12
Matrix: AIR - Ambient Air Grab Summa ID: A353	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	2W36303.D	1	10/12/12	YMH	n/a	n/a	V2W1521
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	3.9	0.20	0.069	ppbv		9.3	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	0.18	0.20	0.029	ppbv	J	0.58	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	0.32	0.20	0.024	ppbv		1.0	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	0.40	0.20	0.055	ppbv		0.83	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	0.42	0.20	0.024	ppbv		2.1	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

Page 2 of 2

Client Sample ID:	CAMS 069	Date Sampled:	10/07/12
Lab Sample ID:	JB18888-1	Date Received:	10/11/12
Matrix:	AIR - Ambient Air Grab Summa ID: A353	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	Units
64-17-5	46.07	Ethanol	2.3	0.50	0.17	ppbv		4.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.029	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.61	0.20	0.13	ppbv		2.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	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	0.31	0.20	0.050	ppbv		1.1	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.27	0.20	0.065	ppbv		0.66	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	0.45	0.20	0.042	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	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	ND	0.20	0.025	ppbv		ND	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	ND	0.20	0.029	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	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	0.13	0.20	0.049	ppbv	J	0.39	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	0.93	0.20	0.032	ppbv		3.5	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	0.21	0.20	0.028	ppbv		1.2	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	0.21	0.20	0.058	ppbv		0.91	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.21	0.20	0.037	ppbv		0.91	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		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

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810
Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking # 8007 6195 6590 Bottle Order Control #
Lab Quote # Lab Job # JB18888

Client / Reporting Information		Project Name		Weather Parameters		Requested Analysis	
Company Name <u>Providence Engr</u>		Project Name <u>Valero Refining</u>		Temperature (Fahrenheit)		Requested Analysis	
Address <u>1201 Main St</u>		Street		Start: Maximum:			
City <u>BR</u> State <u>LA</u> Zip <u>70802</u>		City <u>Meroux</u> State <u>LA</u>		Stop: Minimum:			
Project Contact <u>Paul Hollis@providenceengr.com</u>		Project # <u>712-001</u>		Atmospheric Pressure (inches of Hg)			
Phone # <u>225 766 7400</u> Fax # <u>-7440</u>		Client Purchase Order #		Start: Maximum:			
Sampler(s) Name(s) <u>Karen Hudson</u>				Stop: Minimum:			
				Other weather comment:			

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 (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)
<u>-1</u>	<u>CAMS 069</u>	<u>A</u>	<u>A353</u>	<u>6L</u>	<u>-</u>	<u>10-6</u>	<u>1300</u>	<u>0.17</u>	<u>75</u>	<u>LH</u>	<u>10-7</u>	<u>1300</u>	<u>11.89</u>	<u>75</u>	<u>LH</u>

Turnaround Time (Business Days)	Data Deliverable Information	Comments / Remarks
Standard - 15 Days 10 Day 5 Day 3 Day 2 Day 1 Day Other	All NJDEP TO-15 is mandatory Full T1 Comm A Comm B Reduced T2 Full T1 Other:	<u>Summa</u> Received at Baton Rouge Service Center

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		<u>[Signature]</u>	<u>[Signature]</u>	<u>10/9/12</u>	<u>[Signature]</u>
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
2		<u>[Signature]</u>	<u>[Signature]</u>	<u>10/11/12</u>	<u>[Signature]</u>
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
3	<u>10/9/12</u>	<u>Fed Ex</u>	<u>[Signature]</u>	<u>10/11/12</u>	<u>[Signature]</u>
Relinquished by:	Date Time:	Received by:	Custody Seal #		
4		<u>[Signature]</u>			
5					

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CTR

Accutest Job Number: JB18888 Client: _____ Project: _____
Date / Time Received: 10/11/2012 Delivery Method: _____ Airbill #'s: _____

Cooler Temps (Initial/Adjusted):

Cooler Security

- | | Y | or | N | | Y | or | N |
|---------------------------|-------------------------------------|----|--------------------------|-----------------------|-------------------------------------|----|--------------------------|
| 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

- | | Y | or | N |
|------------------------------|-------------------------------------|----|--------------------------|
| 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

- | | Y | or | N | N/A |
|---------------------------------|-------------------------------------|----|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | <input 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

- | | Y | or | N |
|--|-------------------------------------|----|--------------------------|
| 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

- | | Y | or | N |
|----------------------------------|-------------------------------------|----|--------------------------|
| 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

- | | Y | or | N | N/A |
|---|-------------------------------------|----|-------------------------------------|-------------------------------------|
| 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: JB18888
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 10/11/12

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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
A353	6	29.4	09/12/12	HT	CP5635	3W29933.D	JB18888-1	10/12/12	RC	6.5			1

Accutest Bottle Order(s):
 VP-9/12/2012-10

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 09/12/12 70 29.92