

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

Accutest Job Number: JB7164

Sampling Date: 05/18/12

Report to:

Providence Engineering

kevincalhoun@providenceeng.com

ATTN: Kevin Calhoun

Total number of pages in report: **13**



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.



Paul Ioannidis
Lab Director

Client Service contact: Kristyn Morrison 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.

June 4, 2012

Mr. Paul Hollis
Providence Engineering
1201 Main Street
Baton Rouge, LA 55802

Re: Accutest Job # JB7164

Dear Mr. Hollis,

The final report for Accutest job number JB7164 has been edited to reflect corrections to the final reports. These edits have been incorporated into the revised report attached.

Specifically, incorrect collection date was entered on chain of custody for JB7164. The sample's collection date has been revised from 5/12/12 to 5/18/2012 per Ms. Laura Picou dated on 6/4/2012. The revised report has been reissued

Accutest apologizes for this occurrence and for any inconvenience this situation may have caused. Please contact me if I can be of further assistance in this matter.

Sincerely,



Kristyn Morrison
Project Manager

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Sample Summary

Providence Engineering

Job No: JB7164

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

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB7164-1	05/18/12	13:00 KH	05/23/12	AIR	Ambient Air Grab	CAMS 046

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	CAMS 046	Date Sampled:	05/18/12
Lab Sample ID:	JB7164-1	Date Received:	05/23/12
Matrix:	AIR - Ambient Air Grab Summa ID: A882	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	W36619.D	1	05/24/12	YMH	n/a	n/a	VW1483
Run #2							

Run #	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.6	0.20	0.036	ppbv		18	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.33	0.20	0.046	ppbv		1.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.38	0.20	0.032	ppbv		1.2	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.75	0.20	0.037	ppbv		1.5	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	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	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.47	0.20	0.038	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	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 046	Date Sampled:	05/18/12
Lab Sample ID:	JB7164-1	Date Received:	05/23/12
Matrix:	AIR - Ambient Air Grab Summa ID: A882	Percent Solids:	n/a
Method:	TO-15		
Project:	Valero-CAMS, Baton Rouge, LA		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	8.6	0.50	0.095	ppbv		16	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.12	0.20	0.031	ppbv	J	0.52	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.7	0.20	0.061	ppbv		9.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.14	0.20	0.033	ppbv	J	0.57	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.38	0.20	0.044	ppbv		1.3	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.20	0.059	ppbv		2.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.027	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.77	0.20	0.048	ppbv		2.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.20	0.20	0.036	ppbv		0.82	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	42	Propylene	1.3	0.50	0.070	ppbv		2.2	0.86	ug/m3
100-42-5	104.1	Styrene	0.16	0.20	0.027	ppbv	J	0.68	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.12	0.20	0.024	ppbv	J	0.59	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.25	0.20	0.032	ppbv		0.76	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	2.0	0.20	0.040	ppbv		7.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.042	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.36	0.20	0.031	ppbv		1.6	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.14	0.20	0.031	ppbv	J	0.61	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.50	0.20	0.031	ppbv		2.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		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

AIR

CHAIN OF CUSTODY

Air Sampling Field Data Sheet



2235 US Highway 130, Dayton, NJ 08810
V: 732.329.0200 F: 732.329.3499 www.accutest.com

FED-EX Tracking #
8768 3979 3900
Lab Quote #

Bottle Order Control #
Lab Job #
JB7164

PAGE 1 OF 1

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

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 046	A	A882	6L	-	5-11	1300	0.19	75	KA	5-12	1300	11.89	75	KA				

Turnaround Time (Business days) 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: _____	Comments / Remarks Received at Baton Rouge Service Center SUMMA
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Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory: 1	Date Time: _____	Received By: _____	Relinquished by: 2	Date Time: 5/2/12 0805	Received By: _____
Relinquished by: 3	Date Time: 5/2/12	Received By: _____	Relinquished by: 4	Date Time: 5/23/12 1015	Received By: _____
Relinquished by: 5	Date Time: _____	Received By: _____	Custody Seal #	_____	_____

Accutest Job Number: JB7164 **Client:** _____ **Project:** _____
Date / Time Received: 5/23/2012 **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</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"/>	

Sample Integrity - Condition	<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		

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

Job Change Order: JB7164_6/4/2012

Requested Date: 6/4/2012
Account Name: Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
CSR: KM
Received Date: 5/23/2012
Due Date: 6/6/2012
Deliverable: COMMB
TAT (Days): 14
Sample #: JB7164-1
Change: Please correct collection date to 5/18/12 and re-issue report.

CAMS 046

Above Changes Per: Laura Picou
Date: 6/4/2012

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

CHAIN OF CUSTODY
Air Sampling Field Data Sheet

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

LAB-EX Tracking # *NYM-4/12/2012-12* PAGE / OF /
Lab Order # Lab Job #

Company Name Providence Engr		Project Name Valero Refining		Temperature (Fahrenheit)		Requested Analysis									
Address 1201 Main St		Street		Start		Maximum									
City BR		State LA		Stop		Minimum									
Zip 70802		City Chalmette		Atmospheric Pressure (inches of Hg)		Start									
Project Contact paulhollis@providenceeng.com		Project # 712-001		Stop		Minimum									
Phone # 225 766 7400		Client Purchase Order #		Other weather comment											
Fax # 7440		Samplers' Names: Karen Hudson													
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 12)	Flow Controller Serial #	Date	Time (24 hr clock)	Canister Pressure (Psi)	Baroc Temp (F)	Sampler ID	Date	Time (24 hr clock)	Canister Pressure (Psi)	Baroc Temp (F)	Sampler ID
	CAMS 046	A	A882	6L	-	5-17	1300	0.28	75	KH	5-18	1300	12.09	75	KH
REVISED 6/6/12															
Turnaround Time (Business Days)				Data Deliverable Information				Comments / Remarks							
Standard - 15 Days		<input checked="" type="checkbox"/>		Approved By		Date		All ACCUTEST 10-15-11 mandatory T-01-11		Current 4		Current 6		Reduced 72	
10 Day															
5 Day															
3 Day															
2 Day															
1 Day															
Other															
Sample Custody must be documented below each time sampler changes possession, including courier delivery.															
Received by <i>[Signature]</i>		Date/Time 4/10/12		Received by FedEx		Date/Time 6-6 11:30		Received by FedEx		Date/Time 6-6 11:30		Received by <i>[Signature]</i>		Date/Time 6-6 11:30	
Retrieved by <i>[Signature]</i>		Date/Time 6-6 11:30		Retrieved by FedEx		Date/Time 6-6 11:30		Retrieved by FedEx		Date/Time 6-6 11:30		Retrieved by <i>[Signature]</i>		Date/Time 6-6 11:30	

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3

70-15

Lab Job # JB7164
This Chain of custody has been completed to replace the original for CAMS 046.

Summa Canister and Flow Controller Log

Job Number: JB7164
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 05/23/12

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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
A882	6	29.4	04/24/12	RC	CP5394	3W27590.D	JB7164-1	05/23/12	YMH	5.5			1

Accutest Bottle Order(s):
 KM-4/24/2012-9

Prep Date	Room Temp(F)	Bar Pres "Hg
04/24/12	70	29.92