

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

Accutest Job Number: JB8596

Sampling Date: 06/05/12

Report to:

Providence Engineering

kevincalhoun@providenceeng.com

ATTN: Kevin Calhoun

Total number of pages in report: 11



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.



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Lab Director

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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: JB8596

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

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB8596-1	06/05/12	13:00 KH	06/11/12	AIR	Ambient Air Grab	CAMS 049

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CAMS 049	Date Sampled:	06/05/12
Lab Sample ID:	JB8596-1	Date Received:	06/11/12
Matrix:	AIR - Ambient Air Grab Summa ID: A487	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	W36875.D	1	06/11/12	YMH	n/a	n/a	VW1495
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	17.9	0.20	0.036	ppbv		42.5	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	0.28	0.20	0.046	ppbv		0.89	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	0.42	0.20	0.032	ppbv		1.3	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	0.81	0.20	0.037	ppbv		1.7	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	0.56	0.20	0.038	ppbv		2.8	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

Page 2 of 2

Client Sample ID:	CAMS 049	Date Sampled:	06/05/12
Lab Sample ID:	JB8596-1	Date Received:	06/11/12
Matrix:	AIR - Ambient Air Grab	Summa ID:	A487
Method:	TO-15	Percent Solids:	n/a
Project:	Valero-CAMS, Baton Rouge, LA		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.0	0.50	0.095	ppbv		5.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.11	0.20	0.031	ppbv	J	0.48	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.3	0.20	0.061	ppbv		8.3	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	0.12	0.20	0.033	ppbv	J	0.49	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	0.33	0.20	0.044	ppbv		1.2	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	0.66	0.20	0.059	ppbv		1.6	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.43	0.20	0.027	ppbv		1.5	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.71	0.20	0.048	ppbv		2.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.22	0.20	0.036	ppbv		0.90	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	1.2	0.50	0.070	ppbv		2.1	0.86	ug/m3
100-42-5	104.1	Styrene	0.25	0.20	0.027	ppbv		1.1	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	0.13	0.20	0.024	ppbv	J	0.64	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	0.10	0.20	0.028	ppbv	J	0.47	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.17	0.20	0.032	ppbv	J	0.52	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	1.9	0.20	0.040	ppbv		7.2	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	0.25	0.20	0.042	ppbv		1.4	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	0.30	0.20	0.031	ppbv		1.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.20	0.031	ppbv	J	0.56	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.42	0.20	0.031	ppbv		1.8	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

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 # 80032518436	Batch Order Control # KM-5/7/2012-3
Lab Quote #	Lab Job # JB 8596

Client / Reporting Information				Weather Parameters					Requested Analysis								
Company Name Providence Engr				Project Name Valero Refining					Temperature (Fahrenheit)								
Address 1201 Main St				Street					Start: Maximum:								
City BR State LA Zip 70802				City Chalmette State LA					Stop: Minimum:								
Project Contact Paul Hollis @ providenceeng.com				Project # 712-001					Atmospheric Pressure (inches of Hg)								
Phone # 225 766 7400 Fax # 7440				Client Purchase Order #					Start: Maximum:								
Sampler(s) Name(s) Karen Hudson				Other weather comment:					Stop: Minimum:								
		Air Type		Sampling Equipment Info			Start Sampling Information					Stop Sampling Information					
Lab Sample #	Field ID / Point of Collection	Indoor (I) Soil Vap (SV) Ambient(A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Date	Time (24 hr clock)	Canister Pressure (Psi)	Interior Temp (F)	Sampler Init.	Date	Time (24 hr clock)	Canister Pressure (Psi)	Interior Temp (F)	Sampler Init.		
-1	CAMS 049	A	A487	6L	-	6/4	1300	0.12	75	KH	6/5	1300	11.62	75	KH		
Sample Custody must be documented below each time samples change possession, including courier delivery.																	
Turnaround Time (Business Days)				Data Deliverable Information					Comments / Remarks								
Standard - 15 Days <input checked="" type="checkbox"/>				All NJDEP TO-15 is mandatory Full T1					<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">SUN4A</div> Received at Baton Rouge Service Center								
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 <input type="checkbox"/>				Comm A <input type="checkbox"/> Comm B <input type="checkbox"/> Reduced T2 <input type="checkbox"/> Full T1 <input type="checkbox"/> Other: <input type="checkbox"/>													
Relinquished by Laboratory		Date Time:		Received by:		Relinquished by:		Date Time:		Received by:		Relinquished by Laboratory		Date Time:		Received by:	
1		5/7/12		FedEx		2		6:11P		3		4		6:11P		5	

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JB8596: Chain of Custody

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Job# JB8596
(REQUIRED)

Unused Summa Return Form

Client PROVIDENCE EIC Office CA
Project VALERO

#Summas 1 #Flow Controllers 0

Summa#'s A35X - 2

Rec'd By [Signature] Rec'd Date/Time 1000 6-11-12

Rec'd via FED EX
(Attach any client paperwork, documentation, or airbills if available)

Notes

Summa Canister and Flow Controller Log

Job Number: JB8596
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 06/11/12

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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
A487	6	29.4	05/07/12	RC	CP5406	3W28156.D	JB8596-1	06/11/12	YMH	6			1

Accutest Bottle Order(s):
 KM-5/7/2012-3

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 05/07/12 70 29.92