

Technical Report for

Providence Engineering

Murphy-CAMS, LA

Accutest Job Number: JA85036

Sampling Date: 08/28/11

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.



David N. Speis
VP, Laboratory 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, 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: JA85036

Murphy-CAMS, LA

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA85036-1	08/28/11	13:00	KH	09/01/11	AIR Ambient Air Grab	CAMS 003



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Providence Engineering

Job No JA85036

Site: Murphy-CAMS, LA

Report Date 9/15/2011 10:26:45 A

On 09/01/2011, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories . An Accutest Job Number of JA85036 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR	Batch ID: VW1364
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA85099-1DUP were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CAMS 003	Date Sampled:	08/28/11
Lab Sample ID:	JA85036-1	Summa ID:	A845
Matrix:	AIR - Ambient Air Grab	Date Received:	09/01/11
Method:	TO-15	Percent Solids:	n/a
Project:	Murphy-CAMS, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	W33418.D	1	09/02/11	YMH	n/a	n/a	VW1364

Run #1	Initial Volume
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	9.1	0.20	0.036	ppbv		22	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	1.9	0.20	0.046	ppbv		6.1	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	0.19	0.20	0.032	ppbv	J	0.59	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	1.0	0.20	0.037	ppbv		2.1	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	0.65	0.20	0.038	ppbv		3.2	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	0.11	0.20	0.025	ppbv	J	0.66	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 003	Date Sampled:	08/28/11
Lab Sample ID:	JA85036-1	Summa ID:	A845
Matrix:	AIR - Ambient Air Grab	Date Received:	09/01/11
Method:	TO-15	Percent Solids:	n/a
Project:	Murphy-CAMS, LA		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	30.3	0.50	0.095	ppbv		57.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.16	0.20	0.031	ppbv	J	0.69	0.87	ug/m3
141-78-6	88	Ethyl Acetate	14.9	0.20	0.061	ppbv		53.6	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	0.13	0.20	0.033	ppbv	J	0.53	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	0.26	0.20	0.044	ppbv		0.92	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	0.90	0.20	0.059	ppbv		2.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.49	0.20	0.027	ppbv		1.7	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.75	0.20	0.048	ppbv		2.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.10	0.20	0.036	ppbv	J	0.41	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	1.9	0.50	0.070	ppbv		3.3	0.86	ug/m3
100-42-5	104.1	Styrene	0.43	0.20	0.027	ppbv		1.8	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	0.15	0.20	0.024	ppbv	J	0.74	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	0.12	0.20	0.032	ppbv	J	0.36	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	8.3	0.20	0.040	ppbv		31	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	0.33	0.20	0.042	ppbv		1.9	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	0.34	0.20	0.031	ppbv		1.5	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.19	0.20	0.031	ppbv	J	0.83	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.53	0.20	0.031	ppbv		2.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		65-128%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range 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 # 8762-3886 1021	Bottle Order Control #
Lab Quote #	Lab Job # JA85036

2

Company Name PROVIDENCE		Project Name		Weather Parameters					Requested Analysis						
Address 1201 MAIN STREET		Street		Temperature (Fahrenheit)											
City BATON ROUGE State LA Zip 70802		City State		Start: Maximum:											
Project Contact PAUL HOLLIS PAULHOLLIS@PROVIDENCELA.COM		Project #		Atmospheric Pressure (Inches of Hg)											
Phone # 225-766-7400 Fax #		Client Purchase Order #		Start: Maximum:											
Sampler(s) Name(s) Karen Hudson				Other weather comment:											
Lab Sample #	Field ID / Point of Collection	Air Type				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)	PSIA Canister Pressure (Psi)	Interior Temp (F)	Sampler Init.	Date	Time (24 hr clock)	Canister Pressure (Psi)	Interior Temp (F)	Sampler Init.
-1	CAMS 003	A	A020 (A85) 9-1-11	6L	-	8-27	13:00	0.03	75	KH	8-28	13:00	12.17	75	KH
Turnaround Time (Business Days)		Approved By: _____		Data Deliverable Information					Comments / Remarks						
Standard - 15 Days 10 Day 5 Day 3 Day 2 Day 1 Day Other		Date: _____		All NJDEP TO-15 is mandatory Full T1 Comm A Comm B Reduced T2 Full T1 Other:					SUMMER						
Sample Custody must be documented below each time samples change possession, including courier delivery.															
Relinquished by Laboratory: 1		Date Time: 8/31/11 1434		Received by: 1		Date Time: 8/31/11		Received by: 2		Date Time: 8/31/11		Received by: 2 FedEx			
Relinquished by: 3		Date Time: 9-1-11 1000		Received by: 3		Date Time: 9-1-11		Received by: 4		Date Time: 9-1-11		Received by: 4			
Relinquished by: 5		Date Time:		Received by: 5		Date Time:		Received by: 5		Date Time:		Received by: 5			

4.1
4

Job# JA85036
(REQUIRED)

Unused Summa Return Form

Client PROVIDENCE Office BARON ROOF CA
Project _____

#Summas 1 #Flow Controllers 3

Summa#'s	<u>A020</u>	<u>-2</u>	<u>FC057</u>
		<u>-3</u>	<u>FC302</u>
		<u>-4</u>	<u>FC275</u>

Rec'd By [Signature] Rec'd Date/Time 1000 9-1-11

Rec'd via Fedex 8762 3084 - 1021
(Attach any client paperwork, documentation, or airbills if available)

Notes ADDED HAS DET TUBE LABELED "BAD"
A845 matches acc ID WITH DET TUBE LABELED "CAMPS 003"
NO FC lotted AS USED
NO analysis taken



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA85036

Client: PROVIDENCE

Immediate Client Services Action Required: Yes

Date / Time Received: 9/1/2011 10:00

Delivery Method:

FedEx

Client Service Action Required at Login: No

Project: ?

No. Coolers:

Airbill #'s: 8762 3886 1021

Cooler Security

Y or N

Y or N

- 1. Custody Seals Present: 3. COC Present:
- 2. Custody Seals Intact: 4. Smpl Dates/Time OK

Cooler Temperature

Y or N

- 1. Temp criteria achieved:
- 2. Cooler temp verification:
- 3. Cooler media:

Quality Control Preservation

Y

N

N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:
- 3. Samples preserved properly:
- 4. VOCs headspace free:

Sample Integrity - Documentation

Y or N

- 1. Sample labels present on bottles:
- 2. Container labeling complete:
- 3. Sample container label / COC agree:

Sample Integrity - Condition

Y or N

- 1. Sample recvd within HT:
- 2. All containers accounted for:
- 3. Condition of sample: Intact

Sample Integrity - Instructions

Y N N/A

- 1. Analysis requested is clear:
- 2. Bottles received for unspecified tests:
- 3. Sufficient volume recvd for analysis:
- 4. Compositing instructions clear:
- 5. Filtering instructions clear:

Comments

NO ANALYSIS
 NO FC DESIGNATED AS BEING USED
 UNCLEAR LABELING/COC AS TO WHICH CANNISTER IS TO BE TESTED
 - A020 HAS DUCT TAPE THAT READS "BAD"
 - A845 HAS DUCT TAPE THAT READS "CAMS 003"

4.1
4



Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA85036

CSR: Kris M

Response Date

9/1/2011

Response: No Flow controllers were required, or will be required, for this project.
A020 had inadequate pressure.
Please run A845 "CAMS 003" for VTO15STD.

4.1

4

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA85036: Chain of Custody
Page 4 of 4

Summa Canister and Flow Controller Log

Job Number: JA85036
Account: PROVLABR Providence Engineering
Project: Murphy-CAMS, LA
Received: 09/01/11

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
A845	6	29.4	08/02/11	FZ	CP4919	W32862.D	JA85036-1	09/01/11	FZ	5			1

Accutest Bottle Order(s):
 MC-8/2/2011-5

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 08/02/11 70 29.92

4.2
4