

Technical Report for

Providence Engineering

Murphy-CAMS, LA

Accutest Job Number: JA86991

Sampling Date: 09/10/11

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.



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VP, Laboratory Director

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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: JA86991

Murphy-CAMS, LA

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA86991-1	09/10/11	13:06 KH	09/23/11	AIR	Ambient Air Grab	CAMS 005

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	CAMS 005	Date Sampled:	09/10/11
Lab Sample ID:	JA86991-1	Date Received:	09/23/11
Matrix:	AIR - Ambient Air Grab	Summa ID:	A220
Method:	TO-15	Percent Solids:	n/a
Project:	Murphy-CAMS, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W24178.D	1	09/27/11	YXC	n/a	n/a	V3W957
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	12.4	0.20	0.036	ppbv		29.5	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	1.3	0.20	0.024	ppbv		2.9	0.44	ug/m3
71-43-2	78.11	Benzene	0.96	0.20	0.046	ppbv		3.1	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	0.74	0.20	0.032	ppbv		2.3	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	0.57	0.20	0.037	ppbv		1.2	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	0.17	0.20	0.034	ppbv	J	0.59	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	0.51	0.20	0.038	ppbv		2.5	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

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

Report of Analysis

Page 2 of 2

Client Sample ID:	CAMS 005	Date Sampled:	09/10/11
Lab Sample ID:	JA86991-1	Date Received:	09/23/11
Matrix:	AIR - Ambient Air Grab	Summa ID:	A220
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	43.2	0.50	0.095	ppbv	E	81.4	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.20	0.20	0.031	ppbv		0.87	0.87	ug/m3
141-78-6	88	Ethyl Acetate	16.1	0.20	0.061	ppbv		57.9	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	0.49	0.20	0.044	ppbv		1.7	0.70	ug/m3
591-78-6	100	2-Hexanone	0.11	0.20	0.043	ppbv	J	0.45	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.20	0.059	ppbv		5.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.41	0.20	0.027	ppbv		1.4	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.95	0.20	0.048	ppbv		2.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29	0.20	0.036	ppbv		1.2	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	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.48	0.20	0.027	ppbv		2.0	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	0.28	0.20	0.024	ppbv		1.4	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	0.37	0.20	0.028	ppbv		1.7	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.33	0.20	0.032	ppbv		1.0	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.10	0.040	0.028	ppbv		0.68	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	8.4	0.20	0.040	ppbv		32	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	0.26	0.20	0.042	ppbv		1.5	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	0.66	0.20	0.031	ppbv		2.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.27	0.20	0.031	ppbv		1.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.93	0.20	0.031	ppbv		4.0	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		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:

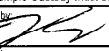
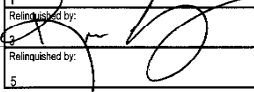

- Chain of Custody
- Summa Canister and Flow Controller Log

Client / Reporting Information		Project Name		Weather Parameters		Requested Analysis	
Company Name PROVIDENCE		Project Name		Temperature (Fahrenheit)		Requested Analysis	
Address 1201 MAIN STREET		Street		Start: _____ Maximum: _____		Requested Analysis	
City BATON ROUGE State LA Zip 70802		City _____ State _____		Stop: _____ Minimum: _____		Requested Analysis	
Project Contact PAUL PAU-HOUS  PROVIDENCE.ENG.COM		Project #		Atmospheric Pressure (inches of Hg)		Requested Analysis	
Phone # (225) 766-7400 Fax #		Client Purchase Order #		Start: _____ Maximum: _____		Requested Analysis	
Sampler(s) Name(s)				Stop: _____ Minimum: _____		Requested Analysis	
				Other weather comment:		Requested Analysis	

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)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
1	CAMS 005	A	A220	6L	-	4-9	13:06	0.05	75	WH	9-10	13:06	11.89	75	WH

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

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	7/22/11 11:00		2	7/22/11	2 Fed Ex
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
		3 FedEx	4 FedEx	4-23-11 930	4 
Relinquished by:	Date Time:	Received by:	Custody Seal #		
5		5			

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Accutest Job Number JA86991

Client:

Date / Time Received: 9/23/2011

Project:

No. Coolers:

Airbill #'s:

Delivery Method:

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. Smpl 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: | | |

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: JA86991
Account: PROVLABR Providence Engineering
Project: Murphy-CAMS, LA
Received: 09/23/11

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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
A220	6	29.4	08/23/11	FZ	CP4948	2W32280.D	JA86991-1	09/23/11	FZ	6			1

Accutest Bottle Order(s):
 KM-8/23/2011-8

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 08/23/11 70 29.92