

**Technical Report for**

**Providence Engineering**

Valero-CAMS, Baton Rouge, LA

712-001

Accutest Job Number: JB37931

Sampling Date: 05/17/13

**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: JB37931**

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

| Sample Number | Collected |          | Received | Matrix |                  | Client Sample ID |
|---------------|-----------|----------|----------|--------|------------------|------------------|
|               | Date      | Time By  |          | Code   | Type             |                  |
| JB37931-1     | 05/17/13  | 13:00 KH | 05/24/13 | AIR    | Ambient Air Grab | CAMS 106         |

**Sample Results**

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**Report of Analysis**

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## Report of Analysis

|                   |                                       |                 |          |
|-------------------|---------------------------------------|-----------------|----------|
| Client Sample ID: | CAMS 106                              | Date Sampled:   | 05/17/13 |
| Lab Sample ID:    | JB37931-1                             | Date Received:  | 05/24/13 |
| Matrix:           | AIR - Ambient Air Grab Summa ID: A479 | Percent Solids: | n/a      |
| Method:           | TO-15                                 |                 |          |
| Project:          | Valero-CAMS, Baton Rouge, LA          |                 |          |

| Run #1 | File ID  | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|-----|-----------|------------|------------------|
| Run #2 | W41988.D | 1  | 05/25/13 | YMH | n/a       | n/a        | VW1687           |

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

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 4.8    | 0.20 | 0.034 | ppbv  |   | 11     | 0.48 | 0.081 | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.020 | ppbv  |   | ND     | 0.44 | 0.044 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.22   | 0.20 | 0.021 | ppbv  |   | 0.70   | 0.64 | 0.067 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.025 | ppbv  |   | ND     | 1.3  | 0.17  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.022 | ppbv  |   | ND     | 2.1  | 0.23  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.017 | ppbv  |   | ND     | 0.78 | 0.066 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.014 | ppbv  |   | ND     | 0.87 | 0.061 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.025 | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.14   | 0.20 | 0.017 | ppbv  | J | 0.44   | 0.62 | 0.053 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.025 | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.020 | ppbv  |   | ND     | 0.53 | 0.053 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.019 | ppbv  |   | ND     | 0.98 | 0.093 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.74   | 0.20 | 0.034 | ppbv  |   | 1.5    | 0.41 | 0.070 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.028 | ppbv  |   | ND     | 0.63 | 0.088 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.020 | ppbv  |   | ND     | 1.0  | 0.10  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.20 | 0.011 | ppbv  |   | ND     | 1.3  | 0.069 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 0.23   | 0.20 | 0.058 | ppbv  |   | 0.79   | 0.69 | 0.20  | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.016 | ppbv  |   | ND     | 0.81 | 0.065 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.021 | ppbv  |   | ND     | 0.79 | 0.083 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.027 | ppbv  |   | ND     | 1.5  | 0.21  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.016 | ppbv  |   | ND     | 0.81 | 0.065 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.040 | ppbv  |   | ND     | 0.92 | 0.18  | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.060 | ppbv  |   | ND     | 0.72 | 0.22  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.53   | 0.20 | 0.015 | ppbv  |   | 2.6    | 0.99 | 0.074 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.029 | ppbv  |   | ND     | 1.7  | 0.25  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.015 | ppbv  |   | ND     | 0.79 | 0.059 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.028 | ppbv  |   | ND     | 0.79 | 0.11  | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.019 | ppbv  |   | ND     | 0.91 | 0.086 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.025 | ppbv  |   | ND     | 1.2  | 0.15  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.029 | ppbv  |   | ND     | 1.2  | 0.17  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.022 | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.021 | ppbv  |   | ND     | 0.91 | 0.095 | 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 106                              | Date Sampled:   | 05/17/13 |
| Lab Sample ID:    | JB37931-1                             | Date Received:  | 05/24/13 |
| Matrix:           | AIR - Ambient Air Grab Summa ID: A479 | 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   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 2.6    | 0.50  | 0.19  | ppbv  |   | 4.9    | 0.94 | 0.36  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.26   | 0.20  | 0.020 | ppbv  |   | 1.1    | 0.87 | 0.087 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | ND     | 0.20  | 0.057 | ppbv  |   | ND     | 0.72 | 0.21  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.98 | 0.074 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | 0.067  | 0.20  | 0.021 | ppbv  | J | 0.51   | 1.5  | 0.16  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.021 | ppbv  |   | ND     | 1.4  | 0.15  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.31   | 0.20  | 0.020 | ppbv  |   | 1.3    | 0.82 | 0.082 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.063 | ppbv  |   | ND     | 2.1  | 0.67  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 1.0    | 0.20  | 0.016 | ppbv  |   | 3.5    | 0.70 | 0.056 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.025 | ppbv  |   | ND     | 0.82 | 0.10  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 0.67   | 0.20  | 0.039 | ppbv  |   | 1.6    | 0.49 | 0.096 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.25   | 0.20  | 0.047 | ppbv  |   | 0.87   | 0.69 | 0.16  | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 0.78   | 0.20  | 0.058 | ppbv  |   | 2.3    | 0.59 | 0.17  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 0.13   | 0.20  | 0.029 | ppbv  | J | 0.53   | 0.82 | 0.12  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.72 | 0.061 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.040 | ppbv  |   | ND     | 0.82 | 0.16  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.031 | ppbv  |   | ND     | 0.86 | 0.053 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.11   | 0.20  | 0.020 | ppbv  | J | 0.47   | 0.85 | 0.085 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.016 | ppbv  |   | ND     | 1.1  | 0.087 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.4  | 0.21  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.031 | ppbv  |   | ND     | 1.1  | 0.17  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.079 | ppbv  |   | ND     | 1.5  | 0.59  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 0.16   | 0.20  | 0.017 | ppbv  | J | 0.79   | 0.98 | 0.084 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.98 | 0.074 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | 0.34   | 0.20  | 0.021 | ppbv  |   | 1.6    | 0.93 | 0.098 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.18   | 0.20  | 0.044 | ppbv  | J | 0.55   | 0.61 | 0.13  | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | ND     | 0.040 | 0.029 | ppbv  |   | ND     | 0.27 | 0.20  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.20  | 0.045 | ppbv  |   | ND     | 0.59 | 0.13  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 0.64   | 0.20  | 0.020 | ppbv  |   | 2.4    | 0.75 | 0.075 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.25   | 0.20  | 0.014 | ppbv  |   | 1.4    | 1.1  | 0.079 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.51 | 0.043 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.058 | ppbv  |   | ND     | 0.70 | 0.20  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.79   | 0.20  | 0.032 | ppbv  |   | 3.4    | 0.87 | 0.14  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.17   | 0.20  | 0.019 | ppbv  | J | 0.74   | 0.87 | 0.083 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.96   | 0.20  | 0.019 | ppbv  |   | 4.2    | 0.87 | 0.083 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 96%    |        | 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

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### Custody Documents and Other Forms

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**Includes the following where applicable:**

- Chain of Custody
- Summa Canister and Flow Controller Log

# CHAIN OF CUSTODY

## Air Sampling Field Data Sheet

*Air*



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

FED-EX Tracking # 976266132953  
 Lab Quote #

Bottle Order Control #

Lab Job # JB37931

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| Client / Reporting Information                       |  |  | Project Information                 |  |  | Weather Parameters                  |  |  | Requested Analysis     |  |  |
|--|--|--|-------------------------------------|--|--|-------------------------------------|--|--|------------------------|--|--|
| Company Name <u>Providence Engr</u>                  |  |  | Project Name <u>Valero Refining</u> |  |  | Temperature (Fahrenheit)            |  |  | 51-01<br>↓             |  |  |
| Address <u>1201 Main St</u>                          |  |  | Street                              |  |  | Start: Maximum:                     |  |  |                        |  |  |
| City <u>B'z</u> State <u>LA</u> Zip <u>70802</u>     |  |  | City <u>Meramex</u> State <u>LA</u> |  |  | Stop: Minimum:                      |  |  |                        |  |  |
| Project Contact <u>Paul Hollis @ providence engr</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)<br>Soil Vap(SV)<br>Ambient(A) | Canister<br>Serial # | Canister<br>Size<br>8L or 1L | Flow<br>Controller<br>Serial # | Date        | Time<br>(24hr<br>clock) | Canister<br>Pressure<br>("Hg) | Interior<br>Temp<br>(F) | Sampler<br>Init.           | Date        | Time<br>(24hr<br>clock) | Canister<br>Pressure<br>("Hg) | Interior<br>Temp<br>(F) | Sampler<br>Init.          |  |  |  |  |
| <u>-1</u>    | <u>CAMS 106</u>                | <u>A</u>                                | <u>A47962</u>        | <u>-</u>                     | <u>5-16</u>                    | <u>1300</u> | <u>0.03</u>             | <u>75</u>                     | <u>KA</u>               | <u>5-17</u>                | <u>1300</u> | <u>11.00</u>            | <u>75</u>                     |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |
|              |                                |   |                      |                              |                                |             |                         |                               |                         |                            |             |                         |                               |                         |                           |  |  |  |  |

| Turnaround Time (Business days) |  | Data Deliverable Information |                                      | Comments / Remarks  |  |
|---------------------------------|--|------------------------------|--------------------------------------|---|--|
| Standard - 15 Days              |  | Approved By: _____           | All NJDEP TO-15 is mandatory Full T1 | Received at Baton Rouge<br>Service Center<br><i>SUMMA</i> |  |
| 10 Day                          |  | Date: _____                  | Comm A                               |   |  |
| 5 Day                           |  |                              | Comm B                               |   |  |
| 3 Day                           |  |                              | Reduced T2                           |   |  |
| 2 Day                           |  |                              | Full T1                              |   |  |
| 1 Day                           |  |                              | Other: _____                         |   |  |
| Other                           |  |                              |                                      |   |  |

Sample Custody must be documented below each time samples change possession, including courier delivery.

|                                      |                                |                                 |                                     |                                 |                                 |
|--------------------------------------|--------------------------------|---------------------------------|-------------------------------------|---------------------------------|---------------------------------|
| Relinquished by Laboratory: <u>1</u> | Date Time: _____               | Received By: <u>[Signature]</u> | Relinquished By: <u>[Signature]</u> | Date Time: <u>5/23/13 12:00</u> | Received By: <u>[Signature]</u> |
| Relinquished by: <u>[Signature]</u>  | Date Time: <u>5-24-13 9:30</u> | Received By: <u>[Signature]</u> | Relinquished By: <u>[Signature]</u> | Date Time: _____                | Received By: <u>[Signature]</u> |
| Relinquished by: <u>3</u>            | Date Time: _____               | Received By: <u>[Signature]</u> | Relinquished By: <u>4</u>           | Date Time: _____                | Received By: <u>4</u>           |
| Relinquished by: <u>5</u>            | Date Time: _____               | Received By: <u>5</u>           | Custody Seal # _____                | Date Time: _____                | Received By: _____              |

*EE*

JB37931: Chain of Custody

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**Accutest Job Number:** JB37931      **Client:** \_\_\_\_\_      **Project:** \_\_\_\_\_  
**Date / Time Received:** 5/24/2013      **Delivery Method:** \_\_\_\_\_      **Airbill #'s:** \_\_\_\_\_

**Cooler Temps (Initial/Adjusted):**

| <u>Cooler Security</u>    | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |                       | <u>Y</u>                            | <u>or</u> | <u>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"/> |

| <u>Cooler Temperature</u>    | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Cooler temp verification: | _____                               |           |                          |
| 3. Cooler media:             | _____                               |           |                          |
| 4. No. Coolers:              | 0                                   |           |                          |

| <u>Quality Control Preservation</u> | <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"/> |

| <u>Sample Integrity - Documentation</u> | <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"/> |

| <u>Sample Integrity - Condition</u> | <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                              |           |                          |

| <u>Sample Integrity - Instructions</u>    | <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

# Summa Canister and Flow Controller Log

**Job Number:** JB37931  
**Account:** PROVLABR Providence Engineering  
**Project:** Valero-CAMS, Baton Rouge, LA  
**Received:** 05/24/13

32  
3

| 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 |

|      |   |      |          |    |        |          |           |          |     |     |  |  |   |
|------|---|------|----------|----|--------|----------|-----------|----------|-----|-----|--|--|---|
| A479 | 6 | 29.4 | 04/11/13 | DF | CP6126 | W41184.D | JB37931-1 | 05/24/13 | YMH | 7.5 |  |  | 1 |
|------|---|------|----------|----|--------|----------|-----------|----------|-----|-----|--|--|---|

**Accutest Bottle Order(s):**  
 MO-4/11/2013-14

| Prep Date | Room Temp(F) | Bar Pres "Hg |
|-----------|--------------|--------------|
| 04/11/13  | 70           | 29.92        |