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VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0*  
*Automated Report*

### Technical Report for

### Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

SGS Accutest Job Number: JC53475

Sampling Date: 10/09/17

#### Report to:

Providence Engineering

kevincalhoun@providenceeng.com

ATTN: Kevin Calhoun

Total number of pages in report: 12



Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
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, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,  
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.



ACCUTEST

November 9, 2017

Mr. Paul Hollis  
Providence Engineering  
1201 Main Street  
Baton Rouge, LA 70802

**RE: SGS Accutest – Dayton, Jobs # JC53475 – Reissues**

Dear Mr. Hollis,

The final report for SGS Accutest job number JC53475 has been edited to reflect corrections to the final results. These edits have been incorporated into the revised report which is attached.

Specifically, the sample's ID and collection date of JC53475-1 have been revised per Ms. Karen Hudson's request. The attached revised report incorporates these revisions.

Please contact me if I can be of further assistance in this matter.

Sincerely,

Viktoriya Pushkova

Project Manager

**SGS Accutest**

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## Sample Summary

**Providence Engineering**

**Job No: JC53475**

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

| Sample Number | Collected |          | Received | Matrix |                  | Client Sample ID |
|---------------|-----------|----------|----------|--------|------------------|------------------|
|               | Date      | Time By  |          | Code   | Type             |                  |
| JC53475-1     | 10/09/17  | 08:00 KH | 10/18/17 | AIR    | Ambient Air Grab | CAMS 375         |

**Sample Results**

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**Report of Analysis**

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## Report of Analysis

Page 1 of 2

|                   |                                       |                 |          |
|-------------------|---------------------------------------|-----------------|----------|
| Client Sample ID: | CAMS 375                              | Date Sampled:   | 10/09/17 |
| Lab Sample ID:    | JC53475-1                             | Date Received:  | 10/18/17 |
| Matrix:           | AIR - Ambient Air Grab Summa ID: A987 | 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 | 3W63075.D | 1  | 10/31/17 15:21 | DFT | n/a       | n/a        | V3W2399          |
| Run #2 |           |    |                |     |           |            |                  |

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

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 11.2   | 0.20 | 0.062 | ppbv  |   | 26.6   | 0.48 | 0.15  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.028 | ppbv  |   | ND     | 0.44 | 0.062 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.13   | 0.20 | 0.026 | ppbv  | J | 0.42   | 0.64 | 0.083 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.029 | ppbv  |   | ND     | 1.3  | 0.19  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.018 | ppbv  |   | ND     | 2.1  | 0.19  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.033 | ppbv  |   | ND     | 0.78 | 0.13  | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.016 | ppbv  |   | ND     | 0.87 | 0.070 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.021 | ppbv  |   | ND     | 1.0  | 0.11  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | ND     | 0.20 | 0.033 | ppbv  |   | ND     | 0.62 | 0.10  | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.017 | ppbv  |   | ND     | 0.92 | 0.078 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.036 | ppbv  |   | ND     | 0.53 | 0.095 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.031 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.90   | 0.20 | 0.065 | ppbv  |   | 1.9    | 0.41 | 0.13  | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.037 | ppbv  |   | ND     | 0.63 | 0.12  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.036 | ppbv  |   | ND     | 1.0  | 0.19  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.20 | 0.020 | ppbv  |   | ND     | 1.3  | 0.13  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 0.14   | 0.20 | 0.035 | ppbv  | J | 0.48   | 0.69 | 0.12  | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.033 | ppbv  |   | ND     | 0.81 | 0.13  | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.033 | ppbv  |   | ND     | 0.79 | 0.13  | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | 0.82   | 0.20 | 0.022 | ppbv  |   | 6.3    | 1.5  | 0.17  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.026 | ppbv  |   | ND     | 0.81 | 0.11  | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.033 | ppbv  |   | ND     | 0.92 | 0.15  | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.047 | ppbv  |   | ND     | 0.72 | 0.17  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.55   | 0.20 | 0.025 | ppbv  |   | 2.7    | 0.99 | 0.12  | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.025 | ppbv  |   | ND     | 1.7  | 0.21  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.026 | ppbv  |   | ND     | 0.79 | 0.10  | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.034 | ppbv  |   | ND     | 0.79 | 0.13  | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.023 | ppbv  |   | ND     | 0.91 | 0.10  | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.029 | ppbv  |   | ND     | 1.2  | 0.17  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.028 | ppbv  |   | ND     | 1.2  | 0.17  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.029 | ppbv  |   | ND     | 1.2  | 0.17  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.029 | ppbv  |   | ND     | 0.91 | 0.13  | 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

|  |                       |                                |
|--|-----------------------|--------------------------------|
| <b>Client Sample ID:</b> CAMS 375            |                       |                                |
| <b>Lab Sample ID:</b> JC53475-1              |                       | <b>Date Sampled:</b> 10/09/17  |
| <b>Matrix:</b> AIR - Ambient Air Grab        | <b>Summa ID:</b> A987 | <b>Date Received:</b> 10/18/17 |
| <b>Method:</b> TO-15                         |                       | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> 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                   | 0.97   | 0.50  | 0.095 | ppbv  |   | 1.8    | 0.94 | 0.18  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.11   | 0.20  | 0.023 | ppbv  | J | 0.48   | 0.87 | 0.10  | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.40   | 0.20  | 0.065 | ppbv  |   | 1.4    | 0.72 | 0.23  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 0.98 | 0.14  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.024 | ppbv  |   | ND     | 1.5  | 0.18  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.024 | ppbv  |   | ND     | 1.4  | 0.17  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.17   | 0.20  | 0.046 | ppbv  | J | 0.70   | 0.82 | 0.19  | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.024 | ppbv  |   | ND     | 2.1  | 0.26  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.28   | 0.20  | 0.026 | ppbv  |   | 0.99   | 0.70 | 0.092 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | 0.15   | 0.20  | 0.041 | ppbv  | J | 0.61   | 0.82 | 0.17  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 0.34   | 0.20  | 0.090 | ppbv  |   | 0.84   | 0.49 | 0.22  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.69 | 0.11  | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 1.4    | 0.20  | 0.043 | ppbv  |   | 4.1    | 0.59 | 0.13  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.057 | ppbv  |   | ND     | 0.82 | 0.23  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.044 | ppbv  |   | ND     | 0.82 | 0.18  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.059 | ppbv  |   | ND     | 0.86 | 0.10  | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.18   | 0.20  | 0.046 | ppbv  | J | 0.77   | 0.85 | 0.20  | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.1  | 0.093 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 1.4  | 0.25  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 1.1  | 0.12  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.038 | ppbv  |   | ND     | 1.5  | 0.28  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 0.19   | 0.20  | 0.051 | ppbv  | J | 0.93   | 0.98 | 0.25  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | 0.12   | 0.20  | 0.026 | ppbv  | J | 0.56   | 0.93 | 0.12  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.026 | ppbv  |   | ND     | 0.61 | 0.079 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | ND     | 0.040 | 0.016 | ppbv  |   | ND     | 0.27 | 0.11  | 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                   | 0.46   | 0.20  | 0.029 | ppbv  |   | 1.7    | 0.75 | 0.11  | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.012 | ppbv  |   | ND     | 0.21 | 0.064 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.23   | 0.20  | 0.015 | ppbv  |   | 1.3    | 1.1  | 0.084 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.038 | ppbv  |   | ND     | 0.51 | 0.097 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | 1.4    | 0.20  | 0.027 | ppbv  |   | 4.9    | 0.70 | 0.095 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.39   | 0.20  | 0.067 | ppbv  |   | 1.7    | 0.87 | 0.29  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.15   | 0.20  | 0.035 | ppbv  | J | 0.65   | 0.87 | 0.15  | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.54   | 0.20  | 0.035 | ppbv  |   | 2.3    | 0.87 | 0.15  | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 83%    |        | 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



AIR

**AIR CHAIN OF CUSTODY**

M/S Accutest - Dayton  
 2114 Route 130, Dayton, NJ 08810  
 TEL: 732-329-0200 FAX: 732-329-3499/3480  
 www.accutest.com

FED-EX Tracking #  
 4877 3090 7316  
 Lab Order #

VP-70917-38  
 Lab ID #  
 JC53475

| Client Reporting Information   |                                |                                       |                        | Project Information           |                            |                  |                          | Weather                              |                   |                           |              | Requested Analysis  |                        |                   |               |  |  |  |
|--|--------------------------------|---------------------------------------|------------------------|-------------------------------|----------------------------|------------------|--------------------------|--------------------------------------|-------------------|---------------------------|--------------|---|------------------------|-------------------|---------------|--|--|--|
| Company Name: Providence Engr  |                                |                                       |                        | Project Name: Valero Refining |                            |                  |                          | Temperature (Fahrenheit)             |                   |                           |              | Requested Analysis  |                        |                   |               |  |  |  |
| Address: 1201 Main St  |                                |                                       |                        | Street:                       |                            |                  |                          | Start: Maximum                       |                   |                           |              |   |                        |                   |               |  |  |  |
| City: Bil State: LA Zip: 70802   |                                |                                       |                        | City: Meroux State: LA        |                            |                  |                          | Stop: Minimum                        |                   |                           |              |   |                        |                   |               |  |  |  |
| Project Contact: Paul Hillis Providence Engr   |                                |                                       |                        | Project #: 712-001            |                            |                  |                          | Atmospheric Pressure (Inches of Hg)  |                   |                           |              |   |                        |                   |               |  |  |  |
| Phone: 225-766-7400 Fax: -7442   |                                |                                       |                        | Client Purchase Order #       |                            |                  |                          | Start: Maximum                       |                   |                           |              | TD-15   |                        |                   |               |  |  |  |
| Sampler(s) Name(s): K Hudson   |                                |                                       |                        | Other weather comment:        |                            |                  |                          | Stop: Minimum                        |                   |                           |              |   |                        |                   |               |  |  |  |
| Lab Sample #   | Field ID / Point of Collection | Air Type                              |                        |                               | Start Sampling Information |                  |                          |                                      |                   | Stop Sampling Information |              |   |                        |                   |               |  |  |  |
|  |                                | Instror (S) Sol Vap (SV) Anticler (A) | Canister Serial #      | Canister Size (L or TL)       | Flow Controller Serial #   | Date             | Time (24hr clock)        | Canister Pressure (Tg)               | Interior Temp (F) | Sampler Init.             | Date         | Time (24hr clock)   | Canister Pressure (Tg) | Interior Temp (F) | Sampler Init. |  |  |  |
| 1  | Cams 376                       | A                                     | M&E 7                  | 6L                            | 537                        | 10/11/00         | 30                       | 75                                   | KH                | 10/15/00                  | 800          | 7   | 75                     | KH                |               |  |  |  |
|  | Cams 375                       |                                       |                        |                               |                            | 10/8             |                          |                                      |                   | 10/9                      |              |   |                        |                   |               |  |  |  |
|  | K Hudson                       |                                       | 11/8                   |                               |                            |                  |                          |                                      |                   |                           |              |   |                        |                   |               |  |  |  |
| <b>INITIAL ASSESSMENT</b>  |                                |                                       |                        |                               |                            |                  |                          |                                      |                   |                           |              |   |                        |                   |               |  |  |  |
| <b>LABEL VERIFICATION</b>  |                                |                                       |                        |                               |                            |                  |                          |                                      |                   |                           |              |   |                        |                   |               |  |  |  |
| Turnaround Time (Business days)  |                                |                                       |                        | Data Deliverable Information  |                            |                  |                          | Comments / Remarks                   |                   |                           |              |   |                        |                   |               |  |  |  |
| Standard - 15 Days   |                                |                                       |                        | Approved By: [Signature]      |                            |                  |                          | All NJDEP TO-15 is mandatory Full T1 |                   |                           |              | COC sent FedEx ship   |                        |                   |               |  |  |  |
| 10 Day   |                                |                                       |                        | <b>INITIAL ASSESSMENT</b>     |                            |                  |                          | Comm A                               |                   |                           |              |   |                        |                   |               |  |  |  |
| 5 Day  |                                |                                       |                        | <b>LABEL VERIFICATION</b>     |                            |                  |                          | Comm B                               |                   |                           |              |   |                        |                   |               |  |  |  |
| 3 Day  |                                |                                       |                        |                               |                            |                  |                          | Reduced T2                           |                   |                           |              |   |                        |                   |               |  |  |  |
| 2 Day  |                                |                                       |                        |                               |                            |                  |                          | Full T1                              |                   |                           |              |   |                        |                   |               |  |  |  |
| 1 Day  |                                |                                       |                        |                               |                            |                  |                          | Other:                               |                   |                           |              |   |                        |                   |               |  |  |  |
| Other  |                                |                                       |                        |                               |                            |                  |                          | DKQP reporting                       |                   |                           |              | Sample inventory is verified upon receipt in the Laboratory |                        |                   |               |  |  |  |
| Sample Custody must be documented below each time samples change possession, including courier delivery. |                                |                                       |                        |                               |                            |                  |                          |                                      |                   |                           |              |   |                        |                   |               |  |  |  |
| Relinquished to Lab:   | Date/Time: 10/9/17 14:30       | Received By: FedEx                    | Relinquished By: FedEx | Date/Time:                    | Received By:               | Relinquished to: | Date/Time: 10/18/17 9:30 | Received By:                         | Relinquished to:  | Date/Time:                | Received By: | Relinquished to:  | Date/Time:             | Received By:      |               |  |  |  |
| Relinquished to:   | Date/Time:                     | Received By:                          | Relinquished By:       | Date/Time:                    | Received By:               | Relinquished to: | Date/Time:               | Received By:                         | Relinquished to:  | Date/Time:                | Received By: | Relinquished to:  | Date/Time:             | Received By:      |               |  |  |  |
| Relinquished to:   | Date/Time:                     | Received By:                          | Relinquished By:       | Date/Time:                    | Received By:               | Relinquished to: | Date/Time:               | Received By:                         | Relinquished to:  | Date/Time:                | Received By: | Relinquished to:  | Date/Time:             | Received By:      |               |  |  |  |

JC53475: Chain of Custody

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## SGS Accutest Sample Receipt Summary

Job Number: JC53475

Client: \_\_\_\_\_

Project: \_\_\_\_\_

Date / Time Received: 10/18/2017 9:30:00 AM

Delivery Method: \_\_\_\_\_

Airbill #'s: \_\_\_\_\_

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

**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 type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | N/A                      |                          |
| 3. Cooler media:             | N/A                      |                          |
| 4. No. Coolers:              | N/A                      |                          |

**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

SM089-02  
Rev. Date 12/1/16

JC53475: Chain of Custody

Page 2 of 3

**Job Change Order: JC53475**

**Requested Date:** 11/9/2017      **Received Date:** 10/18/2017  
**Account Name:** Providence Engineering      **Due Date:** 11/1/2017  
**Project Description:** Valero-CAMS, Baton Rouge, LA      **Deliverable:** COMMB  
**C/O Initiated By:** vickyp      **PM:** VP      **TAT (Days):** 14

=====  
**Sample #:** JC53475-1      **Change:**  
Please revise sample ID to CAMS 375, collection date to 10/9

**Dept:**  
**TAT:** 14

CAMS 376  
=====

**JC53475: Chain of Custody**  
**Page 3 of 3**

**Above Changes Per:** Karen Hudson

**Date/Time:** 11/9/2017 9:21:21 AM

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

# Summa Canister and Flow Controller Log

**Job Number:** JC53475  
**Account:** PROVLABR Providence Engineering  
**Project:** Valero-CAMS, Baton Rouge, LA  
**Received:** 10/18/17

32  
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 |
| A987            | 6     | 29.4      | 09/13/17 | RC | CP9363    | 5W26595.D  | JC53475-1     | 10/19/17 | AO | 5        |           |            | 1        |

**SGS Accutest Bottle Order(s):**  
 VP-091217-133

**Prep Date**      **Room Temp(F)**      **Bar Pres "Hg**  
 09/13/17          70                                  29.92