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Automated Report

## Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

SGS Job Number: JE18731

Sampling Date: 09/05/25

Report to:

Providence Engineering  
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ATTN: Brandon Kilpatrick

Total number of pages in report: 36



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 unless noted in the narrative, comments or footnotes.

Olga Azarian  
Technical Director

**Client Service contact: Jeremy Vienneau 732-329-0200**

Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Sample Summary

Providence Engineering

Job No: JE18731

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

| Sample<br>Number | Collected |         | Matrix   |           | Client<br>Sample ID |
|------------------|-----------|---------|----------|-----------|---------------------|
|                  | Date      | Time By | Received | Code Type |                     |

This report contains results reported as ND = Not detected. The following applies:  
Organics ND = Not detected above the MDL

|           |          |          |          |     |                   |          |
|-----------|----------|----------|----------|-----|-------------------|----------|
| JE18731-1 | 09/05/25 | 07:00 CC | 09/08/25 | AIR | Ambient Air Comp. | CAMS 854 |
|-----------|----------|----------|----------|-----|-------------------|----------|



Dayton, NJ

Section 2

Sample Results

Report of Analysis

## Report of Analysis

|                          |                                         |                        |          |
|--------------------------|-----------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | CAMS 854                                | <b>Date Sampled:</b>   | 09/05/25 |
| <b>Lab Sample ID:</b>    | JE18731-1                               | <b>Date Received:</b>  | 09/08/25 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp. Summa ID: A1746 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                   |                        |          |
| <b>Project:</b>          | Valero-CAMS, Baton Rouge, LA            |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 7W17195.D | 1  | 09/12/25 16:43 | TCH | n/a       | n/a        | V7W603           |
| 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 (2-Propanone)      | 3.3    | 0.20 | 0.15  | ppbv  |   | 7.8    | 0.48 | 0.36 | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.084 | ppbv  |   | ND     | 0.44 | 0.19 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.17   | 0.20 | 0.047 | ppbv  | J | 0.54   | 0.64 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.030 | ppbv  |   | ND     | 1.3  | 0.20 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform <sup>a</sup>     | ND     | 0.20 | 0.071 | ppbv  |   | ND     | 2.1  | 0.73 | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.069 | ppbv  |   | ND     | 0.78 | 0.27 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.061 | ppbv  |   | ND     | 0.87 | 0.27 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.50 | 0.13  | ppbv  |   | ND     | 2.6  | 0.67 | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | ND     | 0.20 | 0.11  | ppbv  |   | ND     | 0.62 | 0.34 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.074 | ppbv  |   | ND     | 0.92 | 0.34 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.068 | ppbv  |   | ND     | 0.53 | 0.18 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.037 | ppbv  |   | ND     | 0.98 | 0.18 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.45   | 0.20 | 0.090 | ppbv  |   | 0.93   | 0.41 | 0.19 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.083 | ppbv  |   | ND     | 0.63 | 0.26 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.072 | ppbv  |   | ND     | 1.0  | 0.37 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.20 | 0.040 | ppbv  |   | ND     | 1.3  | 0.25 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 0.26   | 0.20 | 0.045 | ppbv  |   | 0.89   | 0.69 | 0.15 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.057 | ppbv  |   | ND     | 0.81 | 0.23 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.059 | ppbv  |   | ND     | 0.79 | 0.23 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane (EDB)    | ND     | 0.20 | 0.030 | ppbv  |   | ND     | 1.5  | 0.23 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.070 | ppbv  |   | ND     | 0.81 | 0.28 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.062 | ppbv  |   | ND     | 0.92 | 0.29 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.048 | ppbv  |   | ND     | 0.72 | 0.17 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.37   | 0.20 | 0.10  | ppbv  |   | 1.8    | 0.99 | 0.49 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.12  | ppbv  |   | ND     | 1.7  | 1.0  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.069 | ppbv  |   | ND     | 0.79 | 0.27 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.030 | ppbv  |   | ND     | 0.79 | 0.12 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.062 | ppbv  |   | ND     | 0.91 | 0.28 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.028 | ppbv  |   | ND     | 1.2  | 0.17 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.069 | ppbv  |   | ND     | 1.2  | 0.41 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.079 | ppbv  |   | ND     | 1.2  | 0.47 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.10  | ppbv  |   | ND     | 0.91 | 0.45 | 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

|                          |                                         |                        |          |
|--------------------------|-----------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | CAMS 854                                | <b>Date Sampled:</b>   | 09/05/25 |
| <b>Lab Sample ID:</b>    | JE18731-1                               | <b>Date Received:</b>  | 09/08/25 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp. Summa ID: A1746 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                   |                        |          |
| <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                             | 1.5    | 0.50  | 0.39  | ppbv  |   | 2.8    | 0.94 | 0.73  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene                        | ND     | 0.20  | 0.061 | ppbv  |   | ND     | 0.87 | 0.26  | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate                       | ND     | 0.20  | 0.10  | ppbv  |   | ND     | 0.72 | 0.36  | ug/m3 |
| 622-96-8  | 120.19 | 4-Ethyltoluene                      | ND     | 0.20  | 0.095 | ppbv  |   | ND     | 0.98 | 0.47  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                           | ND     | 0.20  | 0.031 | ppbv  |   | ND     | 1.5  | 0.24  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 1.4  | 0.35  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                             | 0.17   | 0.20  | 0.091 | ppbv  | J | 0.70   | 0.82 | 0.37  | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene <sup>a</sup>    | ND     | 0.20  | 0.062 | ppbv  |   | ND     | 2.1  | 0.66  | ug/m3 |
| 110-54-3  | 86.18  | Hexane                              | 0.88   | 0.20  | 0.052 | ppbv  |   | 3.1    | 0.70 | 0.18  | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                          | ND     | 0.20  | 0.15  | ppbv  |   | ND     | 0.82 | 0.61  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol                   | ND     | 0.20  | 0.14  | ppbv  |   | ND     | 0.49 | 0.34  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride                  | 0.45   | 0.20  | 0.13  | ppbv  |   | 1.6    | 0.69 | 0.45  | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone                 | 0.28   | 0.20  | 0.052 | ppbv  |   | 0.83   | 0.59 | 0.15  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone              | ND     | 0.20  | 0.073 | ppbv  |   | ND     | 0.82 | 0.30  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether             | ND     | 0.20  | 0.080 | ppbv  |   | ND     | 0.72 | 0.29  | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate                  | ND     | 0.20  | 0.070 | ppbv  |   | ND     | 0.82 | 0.29  | ug/m3 |
| 115-07-1  | 42     | Propylene                           | ND     | 0.50  | 0.048 | ppbv  |   | ND     | 0.86 | 0.082 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                             | ND     | 0.20  | 0.053 | ppbv  |   | ND     | 0.85 | 0.23  | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane               | ND     | 0.20  | 0.078 | ppbv  |   | ND     | 1.1  | 0.43  | ug/m3 |
| 79-34-5   | 167.85 | 1,1,2,2-Tetrachloroethane           | ND     | 0.20  | 0.048 | ppbv  |   | ND     | 1.4  | 0.33  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane               | ND     | 0.20  | 0.038 | ppbv  |   | ND     | 1.1  | 0.21  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene <sup>a</sup> | ND     | 0.20  | 0.12  | ppbv  |   | ND     | 1.5  | 0.89  | ug/m3 |
| 95-63-6   | 120.19 | 1,2,4-Trimethylbenzene              | ND     | 0.20  | 0.087 | ppbv  |   | ND     | 0.98 | 0.43  | ug/m3 |
| 108-67-8  | 120.19 | 1,3,5-Trimethylbenzene              | ND     | 0.20  | 0.080 | ppbv  |   | ND     | 0.98 | 0.39  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane              | ND     | 0.20  | 0.040 | ppbv  |   | ND     | 0.93 | 0.19  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol              | ND     | 0.20  | 0.093 | ppbv  |   | ND     | 0.61 | 0.28  | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene                 | ND     | 0.040 | 0.030 | ppbv  |   | ND     | 0.27 | 0.20  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran                     | ND     | 0.20  | 0.090 | ppbv  |   | ND     | 0.59 | 0.27  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                             | 0.67   | 0.20  | 0.057 | ppbv  |   | 2.5    | 0.75 | 0.21  | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene                   | 0.044  | 0.040 | 0.019 | ppbv  |   | 0.24   | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane              | 0.19   | 0.20  | 0.057 | ppbv  | J | 1.1    | 1.1  | 0.32  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride                      | ND     | 0.20  | 0.069 | ppbv  |   | ND     | 0.51 | 0.18  | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate                       | ND     | 0.20  | 0.11  | ppbv  |   | ND     | 0.70 | 0.39  | ug/m3 |
|           | 106.2  | m,p-Xylene                          | 0.43   | 0.20  | 0.14  | ppbv  |   | 1.9    | 0.87 | 0.61  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                            | 0.11   | 0.20  | 0.077 | ppbv  | J | 0.48   | 0.87 | 0.33  | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)                     | 0.54   | 0.20  | 0.077 | ppbv  |   | 2.4    | 0.87 | 0.33  | 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

## Report of Analysis

Page 3 of 3

|                          |                              |                        |          |
|--------------------------|------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | CAMS 854                     |                        |          |
| <b>Lab Sample ID:</b>    | JE18731-1                    | <b>Date Sampled:</b>   | 09/05/25 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp.      | <b>Date Received:</b>  | 09/08/25 |
| <b>Method:</b>           | TO-15                        | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Valero-CAMS, Baton Rouge, LA |                        |          |

## VOA T015 List

| CAS No. | MW | Compound | Result | RL | MDL | Units | Q | Result | RL | MDL | Units |
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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

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Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

SGS North America Inc. - Dayton  
2235 Route 130, Dayton, NJ 08810  
TEL. 732-329-0200  
[www.sgs.com/ehsusa](http://www.sgs.com/ehsusa)

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| FED EX Tracking #<br>8841 9841 9016 | Petite Order Control #<br>150-08425-72 |
| SGS Quote #                         | SGS Job #<br>JE18731                   |

|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Client / Reporting Information<br>Company Name: <b>Providence Engineering</b><br>Address: <b>1201 Main St</b><br>City: <b>Baldwin</b> State: <b>LA</b> Zip: <b>70802</b><br>Project Contact: <b>Brandan Kilpatrick</b> Email: <b>brandan.kilpatrick@providenceeng.com</b><br>Phone #: <b>225 760 7400</b> Fax #: <b></b><br>Sample(s) Name(s): <b>LOWELL</b> |  | Project Information<br>Project Name: <b>Valero Refining</b><br>Street: <b></b><br>City: <b>Meroux</b> State: <b>LA</b><br>Project #: <b>712-001</b><br>Client Purchase Order #: <b></b> |  | Weather Parameters<br>Temperature (Fahrenheit)<br>Start: _____ Maximum: _____<br>Stop: _____ Minimum: _____<br>Atmospheric Pressure (inches of Hg)<br>Start: _____ Maximum: _____<br>Stop: _____ Minimum: _____<br>Other weather comment: <b></b>            |  | Requested Analysis<br><div style="border: 1px solid black; height: 100px; width: 100%;"></div>                                                                                     |  |
| Lab Sample # <b>1</b><br>Field ID / Point of Collection: <b>CAMS 854</b>                                                                                                                                                                                                                                                                                     |  | Air Type: <b>A</b><br>Indoor (I) Soil Vap (SV) Ambient (A)<br>Canister Serial #: <b>A1746</b><br>Canister Size: <b>6L</b><br>Flow Controller Serial #: <b>688</b>                       |  | Start Sampling Information<br>Date: <b>2005 9-4</b> Time (24hr clock): <b>0700</b><br>Canister Pressure ("Hg): <b>30</b><br>Interior Temp (F): <b>77</b><br>Sampler Init.: <b>CL</b>                                                                         |  | Stop Sampling Information<br>Date: <b>2005 9-5</b> Time (24hr clock): <b>0800</b><br>Canister Pressure ("Hg): <b>6</b><br>Interior Temp (F): <b>69</b><br>Sampler Init.: <b>CL</b> |  |
| Turnaround Time (Business days)<br><input checked="" type="checkbox"/> Standard - 15 Days<br><input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Other                                                       |  | Approved By: _____<br><br>Date: _____                                                                                                                                                   |  | Data Deliverable Information<br>All NUDEP TO-15 is Mandatory Full T1<br>Comm A: <input type="checkbox"/><br>Comm B: <input type="checkbox"/><br>Reduced T2: <input type="checkbox"/><br>Full T1: <input type="checkbox"/><br>Other: <input type="checkbox"/> |  | Comments / Remarks<br><div style="border: 1px solid black; height: 100px; width: 100%; text-align: center; vertical-align: middle;"> <b>Initial Assessment</b> </div>              |  |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                    |  |
| Disinquired by Laboratory: <b>C</b><br>Disinquired by: <b>LOWELL</b><br>Date Time: <b>9-5-25 1500</b>                                                                                                                                                                                                                                                        |  | Received By: <b>Pdex</b><br>Date Time: <b>9-5-25 1500</b>                                                                                                                               |  | Relinquished By: <b>Pdex</b><br>Date Time: <b>9-8-25 10:00</b>                                                                                                                                                                                               |  | Received By: <b>[Signature]</b><br>Date Time: <b>9-8-25 10:00</b>                                                                                                                  |  |