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## Technical Report for

### Providence Engineering

Valero Refining Meraux, LA

0718-001

SGS Job Number: JE27649

Sampling Date: 01/21/26

#### 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

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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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# Table of Contents

-1-

|   |           |
|---|-----------|
| <b>Section 1: Sample Summary</b> .....                      | <b>3</b>  |
| <b>Section 2: Sample Results</b> .....                      | <b>4</b>  |
| <b>2.1: JE27649-1: CAMS 907</b> .....                       | 5         |
| <b>Section 3: Misc. Forms</b> .....                         | <b>7</b>  |
| <b>3.1: Chain of Custody</b> .....                          | 8         |
| <b>3.2: Summa Canister and Flow Controller Log</b> .....    | 10        |
| <b>Section 4: MS Volatiles - QC Data Summaries</b> .....    | <b>11</b> |
| <b>4.1: Method Blank Summary</b> .....                      | 12        |
| <b>4.2: Blank Spike/Blank Spike Duplicate Summary</b> ..... | 18        |
| <b>4.3: Duplicate Summary</b> .....                         | 24        |
| <b>4.4: Summa Cleaning Certification</b> .....              | 27        |
| <b>4.5: Instrument Performance Checks (BFB)</b> .....       | 30        |
| <b>4.6: Surrogate Recovery Summaries</b> .....              | 36        |



## Sample Summary

Providence Engineering

Job No: JE27649

Valero Refining Meraux, LA  
Project No: 0718-001

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

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

---

|           |          |          |          |                       |          |
|-----------|----------|----------|----------|-----------------------|----------|
| JE27649-1 | 01/21/26 | 07:52 DJ | 01/30/26 | AIR Ambient Air Comp. | CAMS 907 |
|-----------|----------|----------|----------|-----------------------|----------|

**Sample Results**

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**Report of Analysis**

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## Report of Analysis

|                   |   |                 |          |
|-------------------|---|-----------------|----------|
| Client Sample ID: | CAMS 907                                | Date Sampled:   | 01/21/26 |
| Lab Sample ID:    | JE27649-1                               | Date Received:  | 01/30/26 |
| Matrix:           | AIR - Ambient Air Comp. Summa ID: A1494 | Percent Solids: | n/a      |
| Method:           | TO-15                                   |                 |          |
| Project:          | Valero Refining Meraux, LA              |                 |          |

| Run #  | File ID   | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 8W11584.D | 1  | 01/30/26 23:02 | BK | n/a       | n/a        | V8W423           |
| 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)      | 2.6    | 0.20 | 0.15  | ppbv  |   | 6.2    | 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                    | 0.30   | 0.20 | 0.047 | ppbv  |   | 0.96   | 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                  | 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     | 0.20 | 0.13  | ppbv  |   | ND     | 1.0  | 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              | 0.69   | 0.20 | 0.090 | ppbv  |   | 1.4    | 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                | 0.48   | 0.20 | 0.045 | ppbv  |   | 1.7    | 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    | 0.51   | 0.20 | 0.10  | ppbv  |   | 2.5    | 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 907                                | <b>Date Sampled:</b>   | 01/21/26 |
| <b>Lab Sample ID:</b>    | JE27649-1                               | <b>Date Received:</b>  | 01/30/26 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp. Summa ID: A1494 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                   |                        |          |
| <b>Project:</b>          | Valero Refining Meraux, LA              |                        |          |

VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 7.8    | 0.50  | 0.39  | ppbv  |   | 15     | 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                   | 0.23   | 0.20  | 0.091 | ppbv  |   | 0.94   | 0.82 | 0.37  | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.062 | ppbv  |   | ND     | 2.1  | 0.66  | ug/m3 |
| 110-54-3  | 86.18  | Hexane                    | 1.8    | 0.20  | 0.052 | ppbv  |   | 6.3    | 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         | 0.18   | 0.20  | 0.14  | ppbv  | J | 0.44   | 0.49 | 0.34  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 1.2    | 0.20  | 0.13  | ppbv  |   | 4.2    | 0.69 | 0.45  | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 0.30   | 0.20  | 0.052 | ppbv  |   | 0.88   | 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    | 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                   | 0.57   | 0.20  | 0.057 | ppbv  |   | 2.1    | 0.75 | 0.21  | 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    | 0.21   | 0.20  | 0.057 | ppbv  |   | 1.2    | 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                | ND     | 0.20  | 0.14  | ppbv  |   | ND     | 0.87 | 0.61  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.20  | 0.077 | ppbv  |   | ND     | 0.87 | 0.33  | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | ND     | 0.20  | 0.077 | ppbv  |   | ND     | 0.87 | 0.33  | ug/m3 |

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

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Misc. Forms

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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



AIR CHAIN OF CUSTODY

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TEL. 732-329-0200
www.sgs.com/ehsusa

Tracking # 866722182
Bottle Order Control # EN-01620-137
SGS Quote #
SGS Job # JE27649

Client/Reporting Information, Project Information, Weather Parameters, Sampler(s) Name(s), Lab Sample #, Field ID / Point of Collection, Air Type, Sampling Equipment Info, Start Sampling Information, Stop Sampling Information, Turnaround Time, Data Deliverable Information, Comments / Remarks, Sample Custody must be documented below each time samples change possession, including courier delivery.

31
3

