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Automated Report

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

SGS Job Number: JD39902

Sampling Date: 02/11/22

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 Program and/or state specific certification programs as applicable.

A handwritten signature in black ink, appearing to read "Mike Earp".

Mike Earp
General Manager

Client Service contact: Jadon Schiller 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 (ANAB L2248)

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Test results relate only to samples analyzed.

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Sample Summary

Providence Engineering

Job No: JD39902

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

| 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

| | | | | | | | |
|-----------|----------|-------|-----|----------|-----|-------------------|----------|
| JD39902-1 | 02/11/22 | 10:00 | CJG | 02/17/22 | AIR | Ambient Air Comp. | CAMS 638 |
|-----------|----------|-------|-----|----------|-----|-------------------|----------|

Sample Results

Report of Analysis

Report of Analysis

| | | | |
|-------------------|--|-----------------|----------|
| Client Sample ID: | CAMS 638 | Date Sampled: | 02/11/22 |
| Lab Sample ID: | JD39902-1 | Date Received: | 02/17/22 |
| Matrix: | AIR - Ambient Air Comp. Summa ID: A358 | 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 | 5W48199.D | 1 | 03/03/22 17:33 | TCH | n/a | n/a | V5W1991 |
| 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) | 4.6 | 0.20 | 0.15 | ppbv | | 11 | 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 | 0.37 | 0.20 | 0.062 | ppbv | | 1.2 | 0.64 | 0.20 | 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 | 0.037 | ppbv | | ND | 1.0 | 0.19 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.20 | 0.045 | ppbv | | ND | 0.62 | 0.14 | 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 | 0.63 | 0.20 | 0.090 | ppbv | | 1.3 | 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 | 0.41 | 0.20 | 0.11 | ppbv | | 1.4 | 0.69 | 0.38 | 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 | 0.097 | ppbv | | ND | 1.5 | 0.75 | 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 | 0.12 | ppbv | | ND | 0.72 | 0.43 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.41 | 0.20 | 0.032 | ppbv | | 2.0 | 0.99 | 0.16 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.20 | 0.052 | ppbv | | ND | 1.7 | 0.44 | 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 | 0.077 | ppbv | | ND | 0.79 | 0.31 | 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 | 0.040 | ppbv | | ND | 1.2 | 0.24 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.20 | 0.15 | ppbv | | ND | 1.2 | 0.90 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.20 | 0.038 | ppbv | | ND | 1.2 | 0.23 | 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

| | | |
|---|--|--------------------------------|
| Client Sample ID: CAMS 638 | | |
| Lab Sample ID: JD39902-1 | | Date Sampled: 02/11/22 |
| Matrix: AIR - Ambient Air Comp. Summa ID: A358 | | Date Received: 02/17/22 |
| Method: TO-15 | | Percent Solids: n/a |
| 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 | 4.0 | 0.50 | 0.39 | ppbv | | 7.5 | 0.94 | 0.73 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | 0.14 | 0.20 | 0.061 | ppbv | J | 0.61 | 0.87 | 0.26 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate | 0.22 | 0.20 | 0.10 | ppbv | | 0.79 | 0.72 | 0.36 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | 0.10 | 0.20 | 0.095 | ppbv | J | 0.49 | 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 | 0.34 | 0.20 | 0.092 | ppbv | | 1.4 | 0.82 | 0.38 | 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 | 0.85 | 0.20 | 0.11 | ppbv | | 3.0 | 0.70 | 0.39 | 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 | 0.48 | 0.20 | 0.19 | ppbv | | 1.2 | 0.49 | 0.47 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.19 | 0.20 | 0.056 | ppbv | J | 0.66 | 0.69 | 0.19 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone | 0.69 | 0.20 | 0.11 | ppbv | | 2.0 | 0.59 | 0.32 | 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 | 0.14 | ppbv | | ND | 0.86 | 0.24 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.20 | 0.12 | ppbv | | ND | 0.85 | 0.51 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.20 | 0.037 | ppbv | | ND | 1.1 | 0.20 | 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 | 0.11 | 0.20 | 0.087 | ppbv | J | 0.54 | 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 | 0.62 | 0.20 | 0.095 | ppbv | | 2.9 | 0.93 | 0.44 | 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 | 0.014 | ppbv | | ND | 0.27 | 0.095 | 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 | 0.73 | 0.20 | 0.057 | ppbv | | 2.8 | 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 | 0.036 | ppbv | | 1.2 | 1.1 | 0.20 | 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 | 0.47 | 0.20 | 0.14 | ppbv | | 2.0 | 0.87 | 0.61 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | 0.19 | 0.20 | 0.077 | ppbv | J | 0.83 | 0.87 | 0.33 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.66 | 0.20 | 0.077 | ppbv | | 2.9 | 0.87 | 0.33 | ug/m3 |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 93% | | 65-128% |

ND = Not detected MDL = Method Detection Limit 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

7760 2293 4788

7760 2293 4788 PAGE OF

SGS North America Inc. - Dayton
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FED-EX Tracking # 7760 2293 4788
SGS Quote # JS-01172-87
SGS Job # JD39902

Client / Reporting Information, Project Information, Weather Parameters, Requested Analysis

Table with columns: Lab Sample #, Field ID / Point of Collection, Air Type, Sampling Equipment Info, Start Sampling Information, Stop Sampling Information, Other weather comment.

Turnaround Time (Business days), Data Deliverable Information, Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery. Includes fields for Retinquished By, Date Time, Received By, Date Time.



SGS Sample Receipt Summary

Job Number: JD39902

Client: PROVIDENCE ENG

Project: PROVIDENCE - CAMS

Date / Time Received: 2/17/2022 10:10:00 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 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"/> |

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"/> |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JD39902: Chain of Custody

Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JD39902
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 02/17/22

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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 |
| A358 | 6 | 29.4 | 01/17/22 | WC | CP11492 | 2W56998.D | JD39902-1 | 03/01/22 | SG | 7 | | | 1 |

SGS Bottle Order(s):
 JS-011722-87

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 01/17/22 70 29.92