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Automated Report

Technical Report for

Providence Engineering

Valero-CAMS, Baton Rouge, LA

712-001

SGS Job Number: JC86611

Sampling Date: 04/14/19

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.

A handwritten signature in black ink, appearing to read "Brian McGuire".

Brian McGuire
General Manager

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 (ANAB L2248)

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Test results relate only to samples analyzed.



May 08, 2019

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

Re: SGS North America – Dayton, NJ Jobs # JC86611 – Reissues

Dear Mr. Hollis

The final reports for SGS jobs number JC86611 have been edited to reflect corrections to the final results. These edits have been incorporated into the revised report which is attached.

Specifically, for sample JC86611-1 the ID has been revised to CAMS 467 per client's request. The attached revised report incorporates these revisions.

Please contact me at 732-329-0200 if I can be of further assistance in this matter.

Sincerely,

Report Department

SGS North America Inc.



CONTINUOUS SERVICE IMPROVEMENT!

Our goal is to continuously improve our service to you. Please share your ideas about how we can serve you better at EHS.US.CustomerCare@sgs.com. Your feedback is appreciated!



SGS North America Inc. Mid-Atlantic 2235 US Highway 130 Dayton, NJ 08810, USA t +1 (0)732 329 0200 www.sgs.com

Member of the SGS Group (SGS SA)

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Sample Summary

Providence Engineering

Job No: JC86611

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

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC86611-1	04/14/19	09:20 BK	04/17/19	AIR	Ambient Air Comp.	CAMS 467

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CAMS 467	Date Sampled:	04/14/19
Lab Sample ID:	JC86611-1	Date Received:	04/17/19
Matrix:	AIR - Ambient Air Comp. Summa ID: A1033	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	5W36209.D	1	04/26/19 02:41	DFT	n/a	n/a	V5W1476
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	10.3	0.20	0.11	ppbv		24.5	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.012	ppbv		0.64	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.027	ppbv		ND	1.3	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	0.68	0.20	0.015	ppbv		1.4	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.057	0.20	0.024	ppbv	J	0.36	1.3	0.15	ug/m3
110-82-7	84.16	Cyclohexane	0.40	0.20	0.022	ppbv		1.4	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.017	ppbv		ND	0.79	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.018	ppbv		ND	1.5	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.38	0.20	0.017	ppbv		1.9	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.033	ppbv		ND	1.7	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.21	0.20	0.012	ppbv		0.83	0.79	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.018	ppbv		ND	1.2	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	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 467	Date Sampled:	04/14/19
Lab Sample ID:	JC86611-1	Date Received:	04/17/19
Matrix:	AIR - Ambient Air Comp. Summa ID: A1033	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	0.97	0.50	0.22	ppbv		1.8	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.015	ppbv		ND	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.038	ppbv		ND	0.72	0.14	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.030	ppbv		ND	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.017	ppbv		ND	1.5	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.019	ppbv		ND	1.4	0.13	ug/m3
142-82-5	100.2	Heptane	0.34	0.20	0.018	ppbv		1.4	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	0.49	ug/m3
110-54-3	86.17	Hexane	1.7	0.20	0.011	ppbv		6.0	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.76	0.20	0.065	ppbv		1.9	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.67	0.20	0.042	ppbv		2.0	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	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	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	ND	0.50	0.016	ppbv		ND	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.019	ppbv		ND	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.033	ppbv		ND	1.1	0.18	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.027	ppbv		ND	1.4	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.089	ppbv		ND	1.5	0.66	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.24	0.20	0.022	ppbv		1.1	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.2	0.20	0.014	ppbv		3.6	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.031	ppbv		ND	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.47	0.20	0.014	ppbv		1.8	0.75	0.053	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	0.18	0.20	0.028	ppbv	J	1.0	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	0.13	0.20	0.022	ppbv	J	0.33	0.51	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.20	0.20	0.034	ppbv		0.87	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.017	ppbv		ND	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	0.20	0.20	0.017	ppbv		0.87	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		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

PAGE OF

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX 732-329-3499
www.sgs.com/ehsusua

FED-EX Tracking #
SGS Quote #
Soil Order Control # **UP-092579-F**
SGS Job # **JC86611**

Client / Reporting Information				Project Information				Weather Parameters				Requested Analysis					
Company Name Providence Engineering				Project Name Valero Refining				Temperature (Fahrenheit)									
Address 1201 Main St.				Street				Start: _____ Maximum: _____									
City Daton Range State LA Zip 70802				City Moravia State LA				Stop: _____ Minimum: _____									
Project Contact Karl Holtis / Karen Halson E-mail kaultolis@providenceeng.com				Project # 712-001				Atmospheric Pressure (inches of Hg)									
Phone # 225-766-7400 Fax # 225-766-7490				Client Purchase Order #				Start: _____ Maximum: _____									
Sampler(s) Name(s) SPRANSON KEURMILL								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)	Soil Vap (SV)	Ambient (A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
1	CA115 466	A			A1033	6L	537	4/13/19	09:20	30	76	EBK	4/14/19	09:20	6	73	EBK
Turnaround Time (Business days)				Data Deliverable Information				Comments / Remarks									
Standard - 15 Days 10 Day 5 Day 3 Day 2 Day 1 Day Other				Approved By: _____ Date: _____				All NJDEP TO-15 is mandatory Full T1 Comm A Comm B Reduced T2 Full T1 Other: DKQP reporting				Summa INITIAL ASSESSMENT <u>YB DM</u> LABEL VERIFICATION _____ Sample inventory is verified upon receipt in the Laboratory					
Sample Custody must be documented below each time samples change possession, including courier delivery.																	
Relinquished By: R. Dorety	Date Time: 4/12/19 11:45	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/13/19 09:20	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/13/19 09:20	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/13/19 09:20	Received By: [Signature]	Received By: [Signature]		
Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]		
Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]	Relinquished By: [Signature]	Date Time: 4/17/19 9:28	Received By: [Signature]	Received By: [Signature]		

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SGS Sample Receipt Summary

Job Number: JC86611

Client: PROVIDENCE ENG

Project: PROVIDENCE - CAMS

Date / Time Received: 4/17/2019 9:20:00 AM

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security

- | | |
|--|---|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | 3. COC Present: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <u>Y</u> <input type="checkbox"/> <u>N</u> |

Cooler Temperature

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

Quality Control Preservation

- | | | | |
|---------------------------------|--|--|--|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> <u>Y</u> | <input checked="" type="checkbox"/> <u>N</u> | <input type="checkbox"/> <u>N/A</u> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> <u>Y</u> | <input checked="" type="checkbox"/> <u>N</u> | <input type="checkbox"/> <u>N/A</u> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> | <input type="checkbox"/> <u>N/A</u> |
| 4. VOCs headspace free: | <input type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> | <input checked="" type="checkbox"/> <u>N/A</u> |

Sample Integrity - Documentation

- | | | |
|--|--|-----------------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> |

Sample Integrity - Condition

- | | | |
|----------------------------------|--|-----------------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

- | | | | | |
|--|--|--|--|--|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> | | |
| 2. Bottles received for unspecified tests: | <input type="checkbox"/> <u>Y</u> | <input checked="" type="checkbox"/> <u>N</u> | | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> | | |
| 4. Compositing instructions clear: | <input type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> | <input checked="" type="checkbox"/> <u>N/A</u> | |
| 5. Filtering instructions clear: | <input type="checkbox"/> <u>Y</u> | <input type="checkbox"/> <u>N</u> | <input checked="" type="checkbox"/> <u>N/A</u> | |

Test Strip Lot #s:	pH 1-12: 206717	pH 12+: 208717	Other: (Specify) _____
--------------------	-----------------	----------------	------------------------

Comments

SM089-03
Rev. Date 12/7/17

JC86611: Chain of Custody

Page 2 of 3

Job Change Order: JC86611

Requested Date: 5/8/2019 **Received Date:** 4/17/2019
Account Name: Providence Engineering **Due Date:** 5/1/2019
Project Description: Valero-CAMS, Baton Rouge, LA **Deliverable:** COMMB
C/O Initiated By: VLP **PM:** VP **TAT (Days):** 14

=====
Sample #: JC86611-1 **Change:**
Dept: Please revise sample ID to CAMS 467 and re-issue the report

TAT: 14

CAMS 466
=====

JC86611: Chain of Custody
Page 3 of 3

Above Changes Per: Brandon Kipatrick **Date/Time:** 5/8/2019 9:39:57 AM

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

Summa Canister and Flow Controller Log

Job Number: JC86611
Account: PROVLABR Providence Engineering
Project: Valero-CAMS, Baton Rouge, LA
Received: 04/17/19

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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
A1033	6	29.4	03/25/19	JT	CP102106W10545.D	JC86611-1	04/22/19	JT	5				1

SGS Bottle Order(s):
 VP-032519-8

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 03/25/19 70 29.92