



**COASTAL GULF &  
INTERNATIONAL, INC.**

"Precision"

Inspection & Analytical  
Services

2104 South Southland Ave. Gonzales, LA 70737  
Phone (225) 231-4990 Fax (225) 231-7875

*Assuring accuracy through expertise!*

<b>Vessel:</b>	<b>Chem 3248</b>	<b>Date:</b>	<b>August 10, 2021</b>
<b>Product:</b>	<b>Benzene</b>	<b>Terminal:</b>	<b>Total</b>
<b>Subject:</b>	<b>Report of Discharge</b>	<b>Port:</b>	<b>Carville, Louisiana</b>
<b>EMCC Ref. #:</b>	<b>5618157-20</b>	<b>File Number:</b>	<b>105417</b>

**RECAPITULATION**

**OFFICIAL QUANTITY**

**FOR REFERENCE ONLY**

<u>SHORE FIGURES</u>	<u>QUANTITY</u>	<u>BARGE FIGURES</u>	<u>QUANTITY</u>
Barrels	25,272.12	Barrels	25,419.97
Gallons	1,061,429.07	Gallons	1,067,638.74
Pounds	7,817,425.00	Pounds	7,863,159.00
Metric Tons	3,545.929	Metric Tons	3,566.673
Short Tons	3,908.713	Short Tons	3,931.580
Long Tons	3,489.922	Long Tons	3,510.339

**For Comparison only**

**VEF: 1.00550                      Barge With VEF Applied: 25,280.92**

**BARGE FIGURES In Barrels**

<u>BARGE</u>	<u>ARRIVAL</u>	<u>DEPARTURE</u>	<u>DIFFERENCE</u>
Chem 3248	25,419.97	0.00	25,419.97

Survey was performed by CGI Surveyor Patrick Herrington/Logan Billeaudeau  
Table Benzene D1555 used for Volume Correction purposes  
Surveyor equipment verified daily using Certified Thermometer  
Conditions during the inspection were Calm; between 00' and 01' Seas

Survey performed as per and strictly adhering to methods set forth by API Chapters 3, 7, 8, 12, & 17

"All CGI measurement devices and methods used for quantity and quality determination meet the pertinent requirements of 40 CFR 98.3 et. Seq. (Greenhouse Gas Mandatory Reporting Rule)"

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*Rusty Mitchell*

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Version 7.0 06-05-13 NLE



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**TIME LOG OF EVENTS**

August 8, 2021	0900	hrs.	Barge(s) NOR Tendered
August 9, 2021	1300	hrs.	Barge(s) called in
August 9, 2021	1600	hrs.	Notified transfer was postponed, due to no tankerman
August 10, 2021	0001	hrs.	Barge(s) called in second time
August 10, 2021	0015	hrs.	Surveyor notified
August 10, 2021	0225	hrs.	Barge(s) arrived
August 10, 2021	0250	hrs.	Surveyor arrived at terminal
August 10, 2021	0255	hrs.	Barge(s) docked
August 10, 2021	0320	hrs.	Shore tank(s) opened
August 10, 2021	0405	hrs.	Cargo hose(s) connected
August 10, 2021	0515	hrs.	Commenced arrival barge inspection
August 10, 2021	0600	hrs.	Completed arrival barge inspection
August 10, 2021	0900	hrs.	<b>Commenced transfer</b>
August 10, 2021	0900	hrs.	Surveyor departed terminal
August 10, 2021	1725	hrs.	Surveyor notified
August 10, 2021	1845	hrs.	Surveyor arrived at terminal
August 10, 2021	1945	hrs.	<b>Completed transfer</b>
August 10, 2021	1950	hrs.	Commenced departure barge inspection
August 10, 2021	1955	hrs.	Completed departure barge inspection
August 10, 2021	2015	hrs.	Shore tank(s) closed
August 10, 2021	2020	hrs.	Cargo hose(s) disconnected
August 10, 2021	2025	hrs.	Barge(s) Released

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<b>Product:</b>	<b>Benzene</b>	<b>Terminal:</b>	<b>Total</b>
<b>Subject:</b>	<b>Report of Discharge</b>	<b>Port:</b>	<b>Carville, Louisiana</b>
<b>EMCC Ref. #:</b>	<b>5618157-20</b>	<b>File Number:</b>	<b>105417</b>

**SHORE TANK MEASUREMENT REPORT**

SHORE TANK	INNAGE	TEMP. DEG. F	T.O.V. GALLONS	FACTOR	G.S.V, GALLONS
<b>303A</b>					
8/10/2021	07' 10 3/4"	80.3	794,410.00		
0420	Water Volume	00' 03 1/8"	28,212.00	API	
Ambient Temp.	Shell Correction		1.00026	28.0	
88.0	Roof Correction		0.00		
			766,397.21	0.98658	756,112.16
8/10/2021	18' 01 7/8"	86.7	1,877,893.00		
2015	Water Volume	00' 03 1/8"	28,212.00	API	
Ambient Temp.	Shell Correction		1.00033	28.0	
88.0	Roof Correction		0.00		
			1,850,291.39	0.98230	1,817,541.23
Tank API	28.0				
Diff:	0.00		Line Quantity		
Insulated	No				
Working Temp	60.0		<b>TOTAL:</b>		1,061,429.07
Open: Tape Serial #: 21502 Probe Serial #: 9A-9462 Close: Tape Serial #: 15107 Probe Serial #: 9-05811					
Opening Gauge Height		Reference Gauge Height		Closing Gauge Height	
27' 10"		27' 10"		27' 09"	

**TOTAL QUANTITY**

Barrels @ 60 °F	25,272.12
Gallons @ 60 °F	1,061,429.07
Pounds	7,817,425.00
Metric Tons	3,545.929
Short Tons	3,908.713
Long Tons	3,489.922
Pounds per Gallon	7.365
API Gravity @ 60°F	28.00

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Vessel: **Chem 3248**

Date: **August 10, 2021**

Product: **Benzene**

Terminal: **Total**

Subject: **Report of Discharge**

Port: **Carville, Louisiana**

EMCC Ref. #: **5618157-20**

File Number: **105417**

## VESSEL MEASUREMENT REPORT

<b>Chem 3248 UPON ARRIVAL</b>							<i>Ambient Temp °F: 85.0</i>		
Tank	Obs. Gauge Height	Gauge (Ft.) Ullage	Temp. (°F)	T.O.V. Barrels	Water		API @ 60° F	V.C. F	G.S.V Barrels
					Gauge	Barrels			
1P	16' 01 3/4"	02' 08 1/2"	88.9	4,558.49	0.00	0.00	28.0	0.98083	4,471.10
1S	16' 02"	02' 11 1/4"	88.3	4,483.53	0.00	0.00	28.0	0.98123	4,399.37
2P	16' 01 3/4"	03' 02 1/2"	86.8	4,550.02	0.00	0.00	28.0	0.98224	4,469.21
2S	16' 01 3/4"	03' 02 1/2"	88.8	4,550.22	0.00	0.00	28.0	0.98090	4,463.31
3P	16' 01"	04' 08 1/2"	88.4	3,881.20	0.00	0.00	28.0	0.98116	3,808.08
3S	16' 01"	04' 08 1/2"	88.4	3,882.04	0.00	0.00	28.0	0.98116	3,808.90
Tape Serial #: 25977 Probe Serial #: 25977					0.00		Total:		25,419.97

Avg. Temp °F: 88.3

T.O.V. bbls Total **25,905.50**

<b>Chem 3248 UPON DEPARTURE</b>							<i>Ambient Temp °F: 80.0</i>		
Tank	Obs. Gauge Height	Gauge (Ft.) Ullage	Temp. (°F)	T.O.V. Barrels	Water		API @ 60° F	V.C. F	G.S.V Barrels
					Gauge	Barrels			
1P	16' 01 3/4"	00' 00"	60.0	0.00	00' 00"	0.00	28.0	1.00000	0.00
1S	16' 02"	00' 00"	60.0	0.00	00' 00"	0.00	28.0	1.00000	0.00
2P	16' 01 3/4"	00' 00"	60.0	0.00	00' 00"	0.00	28.0	1.00000	0.00
2S	16' 01 3/4"	00' 00"	60.0	0.00	00' 00"	0.00	28.0	1.00000	0.00
3P	16' 01"	00' 00"	60.0	0.00	00' 00"	0.00	28.0	1.00000	0.00
3S	16' 01"	00' 00"	60.0	0.00	00' 00"	0.00	28.0	1.00000	0.00
Tape Serial #: 15107 Probe Serial #: 9-05811					0.00		Total:		0.00

Arrival: Avg. Temp °F: 60.0

T.O.V. bbls Total **0.00**

### TOTAL QUANTITY

Fwd Port: 10' 00" Fwd Stbd: 10' 00"  
Aft Port: 10' 00" Aft Stbd.: 10' 00"

Barrels @ 60 °F 25,419.97  
Gallons @ 60 °F 1,067,638.74  
TCV Barrels 25,419.97  
Pounds 7,863,159.00  
Metric Tons 3,566.673  
Short Tons 3,931.580  
Long Tons 3,510.339  
Lbs / Gallon 7.365  
API Gravity @ 60°F 28.00

Departure:  
Fwd Port: 01' 06" Fwd Stbd: 01' 06"  
Aft Port: 01' 06" Aft Stbd.: 01' 06"

Trim or List Correction Applied: **No**

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**Vessel:** Chem 3248 **Date:** August 10, 2021  
**Product:** Benzene **Terminal:** Total  
**Subject:** Report of Discharge **Port:** Carville, Louisiana  
**EMCC Ref. #:** 5618157-20 **File Number:** 105417

**GAUGE HEIGHT REPORT**

**Barge Name:** Chem 3248

<i><b>Tank No.</b></i>	<i><b>Observed Gauge Height Open</b></i>	<i><b>Reference Gauge Height</b></i>	<i><b>Observed Gauge Height Close</b></i>
1P	16' 01 3/4"	16' 01 3/4"	16' 01 3/4"
1S	16' 02"	16' 02"	16' 02"
2P	16' 01 3/4"	16' 01 3/4"	16' 01 3/4"
2S	16' 01 3/4"	16' 01 3/4"	16' 01 3/4"
3P	16' 01"	16' 01"	16' 01"
3S	16' 01"	16' 01"	16' 01"

**ANCILLARY TANK MEASUREMENTS**

<i><b>Tank No.</b></i>	<i><b>Observed Arrival Measurement</b></i>	<i><b>Observed Departure Measurement</b></i>
Fwd Port	00' 00"	00' 00"
Fwd Stbd	00' 00"	00' 00"
Mid Port	00' 00"	00' 00"
Mid Stbd	00' 00"	00' 00"
Aft Port	00' 00"	00' 00"
Aft Stbd	00' 00"	00' 00"

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Product:	<b>Benzene</b>	Terminal:	<b>Total</b>
Subject:	<b>Report of Discharge</b>	Port:	<b>Carville, Louisiana</b>
EMCC Ref. #:	<b>5618157-20</b>	File Number:	<b>105417</b>

## LETTER OF PROTEST

On Behalf of our principals, we hereby notify you that on the above date, the following occurred:

- ☐ Shore Tank was active during movement.
- ☐ Terminal would not allow a Line Displacement to take place
- ☐ Terminal didn't allow adequate settling time after movement.
- ☐ In transit Difference: GSV at Loadport Departure: \_\_\_\_\_  
GSV at Disport Arrival: \_\_\_\_\_  
**Difference** \_\_\_\_\_
- ☐ OBQ / ROB Difference: OBQ at Loadport: \_\_\_\_\_  
ROB at Disport: \_\_\_\_\_  
**Difference** \_\_\_\_\_
- ☐ Shore to Shore Difference: GSV at Loadport: \_\_\_\_\_  
GSV on Disport: \_\_\_\_\_  
**Difference** \_\_\_\_\_
- ☐ Vessel to Shore Difference: 

Vessel Del./Rec.	25,419.97	
Shore Del./Rec.	25,272.12	
<b>Difference</b>	<b>147.85</b>	<b>0.6%</b>
- ☐ Vessel w/VEF to Shore Difference: 

Vessel Del./Rec.	25,280.92	
Shore Del./Rec.	25,272.12	
<b>Difference</b>	<b>8.80</b>	<b>0.0%</b>
- ☐ CGI unable to validate all information found on Navarik VEF  
Towing company did not provide sequential port log for the subject tow  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Accordingly, we are holding your terminal, operators, and other interested parties responsible for the loss and damage thereby sustained, as well as any consequential loss and damage arising therefrom. Will you kindly acknowledge receipt on the copy thereof and return to us. ***The signatures thus obtained are for receipt only and in no way acknowledge responsibility for the incident.***

Patrick Herrington/Logan Billeaudeau  
CGI Inspector

\_\_\_\_\_  
Vessel / Terminal Rep.

8/10/2021  
Date



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P.O. Box 429 Kenner, LA. 70063-429  
Phone (985)785-0765 Fax (985)785-1328

# VESSEL EXPERIENCE FACTOR SEQUENTIAL

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Vessel: **Chem 3248**

Date: **August 10, 2021**

Type of Movement: **Discharge**

Cargo	Voyage Number	Cargo Description	Terminal or Port	Date	Enter all units as Barrels				Ratio	Step 1 Gross Error > 2%?	Step 2 Qual Voy (+0.30%) Y/N?	Qualifying Voyages	
					Vessel Arrival TCV	Vessel ROB	Vessel Discharge TCV	B/L TCV				Vessel TCV	Shore TCV
Last		Benzene	St. Gabriel (United States)	18-Apr-21	25,282.06	0	25,282.06	25,155.28	1.00504		YES	25,282.06	25,155.28
2nd		Benzene	St. Gabriel (United States)	17-Oct-20	24,670.42	0	24,670.42	24,492.71	1.00726		YES	24,670.42	24,492.71
3rd		Benzene	St. Gabriel (United States)	7-Oct-20	24,036.14	0	24,036.14	23,902.58	1.00559		YES	24,036.14	23,902.58
4th		Benzene	Carville (United States)	19-Sep-20	23,986.25	0	23,986.25	23,873.94	1.0047		YES	23,986.25	23,873.94
5th		Benzene	St. Gabriel (United States)	5-Sep-20	24,087.55	0	24,087.55	23,961.74	1.00525		YES	24,087.55	23,961.74
6th		Benzene	St. Gabriel (United States)	23-Aug-20	24,354.64	0	24,354.64	24,268.20	1.00356		YES	24,354.64	24,268.20
7th		Benzene	St. Gabriel (United States)	13-Aug-20	24,212.69	0	24,212.69	24,062.03	1.00626		YES	24,212.69	24,062.03
8th		Benzene	Carville (United States)	1-Aug-20	24,261.54	0	24,261.54	24,064.71	1.00818		YES	24,261.54	24,064.71
9th		Benzene	St. Gabriel (United States)	22-Jul-20	25,279.08	0	25,279.08	25,129.36	1.00596		YES	25,279.08	25,129.36
10th		Benzene	Carville (United States)	5-Jul-20	24,251.41	0	24,251.41	24,145.36	1.00439		YES	24,251.41	24,145.36
11th		Benzene	Carville (United States)	27-Jun-20	24,170.38	0	24,170.38	24,029.72	1.00585		YES	24,170.38	24,029.72
12th		Benzene	Sunshine (United States)	15-Jun-20	24,255.24	0	24,255.24	24,090.46	1.00684		YES	24,255.24	24,090.46
13th		Benzene	Carville (United States)	27-May-20	24,165.49	0	24,165.49	24,091.36	1.00308		YES	24,165.49	24,091.36
14th		Benzene	St. Gabriel (United States)	15-May-20	26,142.77	0	26,142.77	26,131.65	1.00043		NO		
15th		Benzene	Carville (United States)	1-May-20	24,695.47	0	24,695.47	24,564.63	1.00533		YES	24,695.47	24,564.63
16th		Benzene	St. Gabriel (United States)	21-Jan-20	25,223.48	0	25,223.48	25,046.15	1.00708		YES	25,223.48	25,046.15
17th		Benzene	Carville (United States)	9-Jan-20	25,125.64	0	25,125.64	25,024.22	1.00405		YES	25,125.64	25,024.22
18th		Benzene	Carville (United States)	21-Dec-19	25,224.27	0	25,224.27	25,103.31	1.00482		YES	25,224.27	25,103.31
19th		Benzene	St. Gabriel (United States)	5-Dec-19	25,169.13	0	25,169.13	25,068.12	1.00403		YES	25,169.13	25,068.12
20th		Benzene	Carville (United States)	14-Nov-19	25,205.53	0	25,205.53	25,003.80	1.00807		YES	25,205.53	25,003.80

Totals: 493,799.18 491,209.33

Average TCV Ratio: 1.00527

Totals: 467,656.41 465,077.68

TCV vessel/ TCV shore: 1.00554

Voyages excluded

A. Voyages where only vessel measurements were available

B. Maiden voyage and voyage following dry dock

C. Voyages prior to vessels last dry dock, unless verified that:

no desludging was performed

no significant structural, measurement equipment, tables

or procedural changes were made affecting vessel measurement

D. Voyages where the VLR or VDR is less than 0.98000 or greater than 1.02000

E. When the VLR or VDR is not within + or - 0.3% of the ratio of the totals of vessels and shore quantities

F. Voyages where the vessel's figures are known to be inaccurate

**VEF = 1.0055**

Qualifying Range (excluding Gross Errors)

LOW: 1.00226 HIGH: 1.00829