



**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!

Vessel:	Chem 3712	Date:	March 5, 2021
Product:	Benzene	Terminal:	Ergon
Subject:	Report of Loading	Port:	Baton Rouge, Louisiana
EMCC Ref. #:	5323715-10	File Number:	101794

RECAPITULATION

OFFICIAL QUANTITY

FOR REFERENCE ONLY

<u>SHORE FIGURES</u>	<u>QUANTITY</u>	<u>BARGE FIGURES</u>	<u>QUANTITY</u>
Barrels	24,061.24	Barrels	24,099.13
Gallons	1,010,572.08	Gallons	1,012,163.46
Pounds	7,444,076.00	Pounds	7,455,798.00
Metric Tons	3,376.580	Metric Tons	3,381.897
Short Tons	3,722.038	Short Tons	3,727.899
Long Tons	3,323.248	Long Tons	3,328.481

For Comparison only

VEF: 1.00250 Barge With VEF Applied: 24,039.03

BARGE FIGURES In Barrels

<u>BARGE</u>	<u>ARRIVAL</u>	<u>DEPARTURE</u>	<u>DIFFERENCE</u>
Chem 3712	216.82	24,315.95	24,099.13

Survey was performed by CGI Surveyor Joseph McQueen
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

Gonzales Communication Center

Version 7.0 06-05-13 NLE



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TIME LOG OF EVENTS

March 4, 2021	0001	hrs.	Barge(s) NOR Tendered
March 4, 2021	1600	hrs.	Barge(s) called in
March 4, 2021	1615	hrs.	Surveyor notified
March 4, 2021	1810	hrs.	Surveyor arrived at terminal
March 4, 2021	1815	hrs.	Shore tank(s) opened
March 4, 2021	1850	hrs.	Barge(s) arrived
March 4, 2021	1900	hrs.	Barge(s) docked
March 4, 2021	1900	hrs.	Commenced arrival barge inspection
March 4, 2021	1905	hrs.	Completed arrival barge inspection
March 4, 2021	1920	hrs.	Cargo hose(s) connected
March 4, 2021	1925	hrs.	Commenced transfer
March 4, 2021	2015	hrs.	Surveyor departed terminal
March 4, 2021	2330	hrs.	Surveyor notified
March 5, 2021	0040	hrs.	Surveyor arrived at terminal
March 5, 2021	0120	hrs.	Commenced departure barge inspection
March 5, 2021	0125	hrs.	Completed transfer
March 5, 2021	0140	hrs.	Cargo hose(s) disconnected
March 5, 2021	0145	hrs.	Completed departure barge inspection
March 5, 2021	0145	hrs.	Barge(s) Released
March 5, 2021	0200	hrs.	Shore tank(s) closed

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SHORE TANK MEASUREMENT REPORT

SHORE TANK	INNAGE	TEMP. DEG. F	T.O.V. BARRELS	FACTOR	G.S.V, BARRELS
2000					
3/4/2021	22' 03 1/8"	65.8	30,858.27		
1815	Water Volume	00' 00"	0.00	API	
Ambient Temp.	Shell Correction		1.00007	28.0	
70.0	Roof Correction		1.51		
			30,861.94	0.99619	30,744.36
3/5/2021	04' 11 7/8"	65.4	6,705.15		
0200	Water Volume	00' 00"	0.00	API	
Ambient Temp.	Shell Correction		1.00004	28.0	
48.0	Roof Correction		1.51		
			6,706.93	0.99645	6,683.12
Tank API	40.0		Line Quantity		
Diff:	0.13				
Insulated	No				
Working Temp	60.0				
TOTAL:					24,061.24
Open: Tape Serial #: 22176 Probe Serial #: MK2S 0357 Close: Tape Serial #: 22176 Probe Serial #: MK2S 0357					

Opening Gauge Height	Reference Gauge Height	Closing Gauge Height
43' 04"	43' 04"	43' 04"

TOTAL QUANTITY

Barrels @ 60 °F	24,061.24
Gallons @ 60 °F	1,010,572.08
Pounds	7,444,076.00
Metric Tons	3,376.580
Short Tons	3,722.038
Long Tons	3,323.248
Pounds per Gallon	7.3662
API Gravity @ 60°F	28.00

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Vessel: **Chem 3712**

Date: **March 5, 2021**

Product: **Benzene**

Terminal: **Ergon**

Subject: **Report of Loading**

Port: **Baton Rouge, Louisiana**

EMCC Ref. #: **5323715-10**

File Number: **101794**

VESSEL MEASUREMENT REPORT

Chem 3712 UPON ARRIVAL							Ambient Temp °F: 70.0		
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' 02"	16' 02"	60.0	32.15	00' 00"	0.00	28.0	1.00000	32.15
1S	16' 02 1/4"	16' 02 1/4"	60.0	32.15	00' 00"	0.00	28.0	1.00000	32.15
2P	16' 01 1/2"	16' 01 1/2"	60.0	48.13	00' 00"	0.00	28.0	1.00000	48.13
2S	16' 01 3/4"	16' 01 3/4"	60.0	35.94	00' 00"	0.00	28.0	1.00000	35.94
3P	15' 11"	15' 11"	60.0	39.05	00' 00"	0.00	28.0	1.00000	39.05
3S	15' 11 1/2"	15' 11 1/2"	60.0	29.40	00' 00"	0.00	28.0	1.00000	29.40
Tape Serial #: 26405 Probe Serial #: 26405						0.00		Total:	216.82
Avg. Temp °F: 60.0				T.O.V. bbls Total		216.82			

Chem 3712 UPON DEPARTURE							Ambient Temp °F: 48.0		
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' 02"	05' 04 1/4"	64.6	4,412.11	00' 00"	0.00	28.0	0.99698	4,398.79
1S	16' 02 1/4"	05' 10 1/2"	65.2	4,209.35	00' 00"	0.00	28.0	0.99658	4,194.95
2P	16' 01 1/2"	04' 06 3/4"	65.1	4,410.66	00' 00"	0.00	28.0	0.99665	4,395.88
2S	16' 01 3/4"	04' 08"	65.3	4,365.49	00' 00"	0.00	28.0	0.99652	4,350.30
3P	15' 11"	06' 00 1/4"	64.8	3,431.67	00' 00"	0.00	28.0	0.99685	3,420.86
3S	15' 11 1/2"	05' 06 1/4"	65.0	3,566.91	00' 00"	0.00	28.0	0.99671	3,555.17
Tape Serial #: 26405 Probe Serial #: 26405						0.00		Total:	24,315.95

Arrival: Avg. Temp °F: 65.0

T.O.V. bbls Total 24,396.19

TOTAL QUANTITY

Fwd Port: 02' 00" Fwd Stbd: 02' 00"

Barrels @ 60 °F 24,099.13

Aft Port: 02' 00" Aft Stbd.: 02' 00"

Gallons @ 60 °F 1,012,163.46

Departure:

TCV Barrels 24,099.13

Fwd Port: 09' 00" Fwd Stbd: 09' 00"

Pounds 7,455,798.00

Aft Port: 09' 00" Aft Stbd.: 09' 00"

Metric Tons 3,381.897

Trim or List Correction Applied: No

Short Tons 3,727.899

Long Tons 3,328.481

Coastal Gulf & International, Inc.

Lbs / Gallon 7.3662

Rusty Mitchell

API Gravity @ 60°F 28.00

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Vessel: Chem 3712 **Date:** March 5, 2021
Product: Benzene **Terminal:** Ergon
Subject: Report of Loading **Port:** Baton Rouge, Louisiana
EMCC Ref. #: 5323715-10 **File Number:** 101794

GAUGE HEIGHT REPORT

Barge Name: Chem 3712

Tank No.	Observed Gauge Height Open	Reference Gauge Height	Observed Gauge Height Close
1P	16' 02"	16' 02"	16' 02"
1S	16' 02 1/4"	16' 02 1/4"	16' 02 1/4"
2P	16' 01 1/2"	16' 01 1/2"	16' 01 1/2"
2S	16' 01 3/4"	16' 01 3/4"	16' 01 3/4"
3P	15' 11"	15' 11"	15' 11"
3S	15' 11 1/2"	15' 11 1/2"	15' 11 1/2"

ANCILLARY TANK MEASUREMENTS

Tank No.	Observed Arrival Measurement	Observed Departure Measurement
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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Vessel: Chem 3712

Date: **March 5, 2021**

Product: *Benzene*

Terminal: **Ergon**

Subject: Report of Loading

Port: Baton Rouge, Louisiana

EMCC Ref. #: 5323715-10

File Number: **101794**

NON COMMERCIAL BILL OF LADING

THE FOLLOWING FORM APPLIES TO THE TRANSPORTATION OF SAMPLES THAT HAVE NO COMMERCIAL VALUE.

CHAIN OF CUSTODY x SAMPLE TRANSPORTATION RECORD ☐ SAMPLE RECEIPT ☐

DOT SHIPPING NAME:	Benzene	HAZARD CLASS:	3	UN#	1114	PKG GROUP:	2
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[illegible]

SIGNATURE BELOW IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, LABELED, AND ARE IN PROPER CONDITION, FOR TRANSPORTATION, ACCORDING TO THE APPLICATION AND REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

THIS DOCUMENT IS TO BE RETAINED BY THE SHIPPER / RECEIVER FOR NO LESS THAN 365 DAYS.

Joseph McQueen

FOR CGI

SIGNATURE IS TO VERIFY ABOVE

MENTIONED SAMPLES WERE

RECEIVED BY YOUR FACILITY.

3/5/2021

DATE _____

TOLL FREE 24 HOUR EMERGENCY CONTACT (Fire, Accident, Exposure, Spill) CHEMTREC 1-800-424-9300

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Product:	Benzene	Terminal:	Ergon
Subject:	Report of Loading	Port:	Baton Rouge, Louisiana
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LETTER OF PROTEST

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

- | | | | | |
|-------------------------------------|--|----------------------------|--------------|-------------|
| <input type="checkbox"/> | Shore Tank was active during movement. | | | |
| <input type="checkbox"/> | Terminal would not allow a Line Displacement to take place | | | |
| <input type="checkbox"/> | Terminal didn't allow adequate settling time after movement. | | | |
| <input type="checkbox"/> | In transit Difference: | GSV at Loadport Departure: | _____ | |
| | | GSV at Disport Arrival: | _____ | |
| | | Difference | _____ | |
| <input type="checkbox"/> | OBQ / ROB Difference: | OBQ at Loadport: | _____ | |
| | | ROB at Disport: | _____ | |
| | | Difference | _____ | |
| <input type="checkbox"/> | Shore to Shore Difference: | GSV at Loadport: | _____ | |
| | | GSV on Disport: | _____ | |
| | | Difference | _____ | |
| <input checked="" type="checkbox"/> | Vessel to Shore Difference: | Vessel Del./Rec. | 24,099.13 | |
| | | Shore Del./Rec. | 24,061.24 | |
| | | Difference | 37.89 | 0.2% |
| <input checked="" type="checkbox"/> | Vessel w/VEF to Shore Difference: | Vessel Del./Rec. | 24,039.03 | |
| | | Shore Del./Rec. | 24,061.24 | |
| | | Difference | 22.21 | 0.1% |
| <input checked="" type="checkbox"/> | CGI unable to validate all information found on Navarik VEF | | | |
| | Towing company did not provide sequential port log for the subject tow | | | |

There was product observed through each compartment's sightglass, but there was no product found at the gauge points. The OBQ quantity is calculated from the lowest volume in each compartment.

Line Displacement waived, due to flare controls possibly resetting and delaying the transfer.

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.**

Joseph McQueen
CGI Inspector

Vessel / Terminal Rep.

3/5/2021
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

Assuring accuracy through expertise!

Vessel: **Chem 3712**

Date: **March 5, 2021**

Type of Movement: **Load**

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 Sailing TCV	Vessel OBQ	Vessel Load TCV	Outturn TCV				Vessel TCV	Shore TCV
Last		Benzene	Baton Rouge (United States)	11-Oct-20	24,867.32	0	24,867.32	24,823.57	1.00176		YES	24,867.32	24,823.57
2nd		Benzene	Baton Rouge (United States)	28-Sep-20	23,960.57	0	23,960.57	23,879.90	1.00338		YES	23,960.57	23,879.90
3rd		Renewable	Norco (United States)	13-Feb-18	24,835.67	0	24,835.67	24,943.80	0.99567		NO		
4th		Marine Gasoil	St Rose (United States)	7-Feb-18	26,512.12	0	26,512.12	26,423.53	1.00335		YES	26,512.12	26,423.53
5th		Benzene	Alliance (United States)	22-Feb-17	20,043.30	0	20,043.30	20,059.95	0.99917		YES	20,043.30	20,059.95
6th		Cyclohexane	Port Arthur (United States)	24-Aug-16	28,237.77	0	28,237.77	28,093.25	1.00514		NO		
7th		Cyclohexane	Port Arthur (United States)	17-Aug-16	28,956.32	0	28,956.32	28,848.78	1.00373		YES	28,956.32	28,848.78
8th		Cyclohexane	Port Arthur (United States)	17-Jul-16	23,582.99	0	23,582.99	23,515.14	1.00289		YES	23,582.99	23,515.14
9th													
10th													
11th													
12th													
13th													
14th													
15th													
16th													
17th													
18th													
19th													
20th													

Totals: 200,996.06 200,587.92 Totals: 147,922.62 147,550.87

Average TCV Ratio: 1.00203 TCV vessel/ TCV shore: 1.00252

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 = 1.0025

Qualifying Range (excluding Gross Errors)

LOW: 0.99903 HIGH: 1.00504