



**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 3248	Date:	April 15, 2021
Product:	Benzene	Terminal:	Ergon
Subject:	Report of Loading	Port:	Baton Rouge, Louisiana
EMCC Ref. #:	5403168-10	File Number:	102738

RECAPITULATION

OFFICIAL QUANTITY

FOR REFERENCE ONLY

<u>SHORE FIGURES</u>	<u>QUANTITY</u>	<u>BARGE FIGURES</u>	<u>QUANTITY</u>
Barrels	25,071.64	Barrels	25,260.50
Gallons	1,053,008.88	Gallons	1,060,941.00
Pounds	7,756,674.00	Pounds	7,815,104.00
Metric Tons	3,518.372	Metric Tons	3,544.876
Short Tons	3,878.337	Short Tons	3,907.552
Long Tons	3,462.801	Long Tons	3,488.886

For Comparison only

VEF: 1.00420 Barge With VEF Applied: 25,154.85

BARGE FIGURES In Barrels

<u>BARGE</u>	<u>ARRIVAL</u>	<u>DEPARTURE</u>	<u>DIFFERENCE</u>
Chem 3248	0.00	25,260.50	25,260.50

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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Version 7.0 06-05-13 NLE



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TIME LOG OF EVENTS

April 15, 2021	0001	hrs.	Barge(s) NOR Tendered
April 15, 2021	1000	hrs.	Barge(s) called in
April 15, 2021	1015	hrs.	Surveyor notified
April 15, 2021	1145	hrs.	Surveyor arrived at terminal
April 15, 2021	1205	hrs.	Shore tank(s) opened
April 15, 2021	1300	hrs.	Barge(s) arrived
April 15, 2021	1315	hrs.	Barge(s) docked
April 15, 2021	1325	hrs.	Commenced arrival barge inspection
April 15, 2021	1330	hrs.	Completed arrival barge inspection
April 15, 2021	1345	hrs.	Cargo hose(s) connected
April 15, 2021	1405	hrs.	Commenced transfer
April 15, 2021	1430	hrs.	Surveyor departed terminal
April 15, 2021	1630	hrs.	Surveyor notified
April 15, 2021	1935	hrs.	Surveyor arrived at terminal
April 15, 2021	2030	hrs.	Completed transfer
April 15, 2021	2030	hrs.	Commenced departure barge inspection
April 15, 2021	2040	hrs.	Completed departure barge inspection
April 15, 2021	2050	hrs.	Cargo hose(s) disconnected
April 15, 2021	2050	hrs.	Barge(s) Released
April 15, 2021	2115	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
1000					
4/15/2021	17' 08 3/4"	73.7	35,191.78		
1205	Water Volume	00' 00"	0.00	API	
Ambient Temp.	Shell Correction		1.00016	28.0	
70.0	Roof Correction		-1.42		
			35,195.99	0.99096	34,877.82
4/15/2021	05' 02"	74.6	9,901.47		
2115	Water Volume	00' 00"	0.00	API	
Ambient Temp.	Shell Correction		1.00017	28.0	
68.0	Roof Correction		-1.62		
			9,901.53	0.99037	9,806.18
Tank API	28.5		Line Quantity		
Diff:	3.08				
Insulated	No				
Working Temp	60.0				
TOTAL:					25,071.64
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
46' 01 3/4"	46' 01 3/4"	46' 01 3/4"

TOTAL QUANTITY

Barrels @ 60 °F	25,071.64
Gallons @ 60 °F	1,053,008.88
Pounds	7,756,674.00
Metric Tons	3,518.372
Short Tons	3,878.337
Long Tons	3,462.801
Pounds per Gallon	7.3662
API Gravity @ 60°F	28.00

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VESSEL MEASUREMENT REPORT

Chem 3248 UPON ARRIVAL							<i>Ambient Temp °F: 70.0</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 #: 26117 Probe Serial #: 26117						0.00		Total:	0.00

Avg. Temp °F: 60.0

T.O.V. bbls Total 0.00

Chem 3248 UPON DEPARTURE							<i>Ambient Temp °F: 68.0</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' 09 3/4"	74.1	4,523.63	00' 00"	0.00	28.0	0.99070	4,481.56
1S	16' 02"	02' 11"	74.0	4,490.54	00' 00"	0.00	28.0	0.99077	4,449.09
2P	16' 01 3/4"	03' 09 3/4"	73.9	4,339.11	00' 00"	0.00	28.0	0.99083	4,299.32
2S	16' 01 3/4"	03' 10 3/4"	73.8	4,310.13	00' 00"	0.00	28.0	0.99090	4,270.91
3P	16' 01"	04' 05 3/4"	73.9	3,942.99	00' 00"	0.00	28.0	0.99083	3,906.83
3S	16' 01"	04' 08 1/4"	73.6	3,887.66	00' 00"	0.00	28.0	0.99103	3,852.79
Tape Serial #: 26117 Probe Serial #: 26117						0.00		Total:	25,260.50

Avg. Temp °F: 73.9

T.O.V. bbls Total 25,494.06

TOTAL QUANTITY

Arrival:		Avg. Temp °F: 73.9		T.O.V. bbls Total	<div>25,494.06</div>	TOTAL QUANTITY	
Fwd Port:	<u>01' 06"</u>	Fwd Stbd:	<u>01' 06"</u>			Barrels @ 60 °F	25,260.50
Aft Port:	<u>01' 06"</u>	Aft Stbd.:	<u>01' 06"</u>			Gallons @ 60 °F	1,060,941.00
Departure:						TCV Barrels	25,260.50
Fwd Port:	<u>10' 00"</u>	Fwd Stbd:	<u>10' 00"</u>			Pounds	7,815,104.00
Aft Port:	<u>10' 00"</u>	Aft Stbd.:	<u>10' 00"</u>			Metric Tons	3,544.876
Trim or List Correction Applied:						Short Tons	3,907.552
						Long Tons	3,488.886
						Lbs / Gallon	7.3662
						API Gravity @ 60°F	28.00

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GAUGE HEIGHT REPORT

Barge Name: Chem 3248

<i>Tank No.</i>	<i>Observed Gauge Height Open</i>	<i>Reference Gauge Height</i>	<i>Observed Gauge Height Close</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>Tank No.</i>	<i>Observed Arrival Measurement</i>	<i>Observed Departure Measurement</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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Port: Baton Rouge, Louisiana

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NON COMMERCIAL BILL OF LADING

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

CHAIN OF CUSTODY ☒ **SAMPLE TRANSPORTATION RECORD** ☐ **SAMPLE RECEIPT** ☐

DOT SHIPPING NAME:	Benzene	HAZARD CLASS:	3	UN#	1114	PKG GROUP:	2
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SAMPLE SIZE & NUMBER	SAMPLE SOURCE (BARGE, VESSEL, SHORE TANK)	TYPE OF SAMPLE (TOP, MIDDLE, BOTTOM,AVG)	SEAL NUMBER	DISTRIBUTION
1qt x 1	Shore Tank	Running		CGI LAB
1qt x 1	Line	Line		CGI LAB
1qt x 6	Barge	Running		CGI LAB

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.

4/15/2021
DATE

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



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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. 25,260.50
Shore Del./Rec. 25,071.64
Difference **188.86** **0.7%**
- ☒ Vessel w/VEF to Shore Difference: Vessel Del./Rec. 25,154.85
Shore Del./Rec. 25,071.64
Difference **83.21** **0.3%**
- ☐ Towing company did not provide sequential port log for the subject tow

Line displacement waived, due to flare system 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.

4/15/2021
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 3248**

Date: **April 15, 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	15-Oct-20	24,576.21	0	24,576.21	24,540.19	1.00147		YES	24,576.21	24,540.19
2nd		Benzene	Baton Rouge (United	4-Oct-20	24,036.45	0	24,036.45	23,881.25	1.0065		YES	24,036.45	23,881.25
3rd		Benzene	Baton Rouge (United	25-Sep-20	23,956.31	0	23,956.31	23,886.38	1.00293		YES	23,956.31	23,886.38
4th		Benzene	Baton Rouge (United	14-Sep-20	23,924.50	0	23,924.50	23,884.88	1.00166		YES	23,924.50	23,884.88
5th		Benzene	Baton Rouge (United	3-Sep-20	24,084.82	0	24,084.82	23,992.66	1.00384		YES	24,084.82	23,992.66
6th		Benzene	Baton Rouge (United	21-Aug-20	24,403.57	0	24,403.57	24,263.58	1.00577		YES	24,403.57	24,263.58
7th		Benzene	Baton Rouge (United	9-Aug-20	24,206.31	0	24,206.31	24,121.61	1.00351		YES	24,206.31	24,121.61
8th		Benzene	Baton Rouge (United	29-Jul-20	24,237.06	0	24,237.06	24,095.71	1.00587		YES	24,237.06	24,095.71
9th		Benzene	Baton Rouge (United	19-Jul-20	25,350.30	0	25,350.30	25,227.28	1.00488		YES	25,350.30	25,227.28
10th		Benzene	Baton Rouge (United	2-Jul-20	24,222.32	0	24,222.32	24,109.12	1.0047		YES	24,222.32	24,109.12
11th		Benzene	Baton Rouge (United	22-Jun-20	24,167.19	0	24,167.19	24,047.05	1.005		YES	24,167.19	24,047.05
12th		Benzene	Baton Rouge (United	10-Jun-20	24,253.02	0	24,253.02	24,138.53	1.00474		YES	24,253.02	24,138.53
13th		Benzene	Baton Rouge (United	1-Jun-20	24,212.51	0	24,212.51	24,043.98	1.00701		NO		
14th		Benzene	Baton Rouge (United	21-May-20	24,177.79	0	24,177.79	24,081.38	1.004		YES	24,177.79	24,081.38
15th		Benzene	Baton Rouge (United	12-May-20	26,018.66	0	26,018.66	26,139.53	0.99538		NO		
16th		Benzene	Baton Rouge (United	17-Mar-20	26,174.20	0	26,174.20	26,071.90	1.00392		YES	26,174.20	26,071.90
17th		Benzene	Baton Rouge (United	21-Feb-20	25,150.21	0	25,150.21	25,044.83	1.00421		YES	25,150.21	25,044.83
18th		Benzene	Baton Rouge (United	31-Jan-20	26,107.01	0	26,107.01	26,009.63	1.00374		YES	26,107.01	26,009.63
19th		Benzene	Baton Rouge (United	23-Jan-20	25,173.89	0	25,173.89	25,039.54	1.00537		YES	25,173.89	25,039.54
20th		Benzene	Baton Rouge (United	14-Jan-20	25,137.68	0	25,137.68	25,057.77	1.00319		YES	25,137.68	25,057.77

Totals: 493,570.01 491,676.80

Average TCV Ratio: 1.00385

Totals: 443,338.84 441,493.29

TCV vessel/ TCV shore: 1.00418

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 = 1.0042

Qualifying Range (excluding Gross Errors)

LOW: 1.00084 HIGH: 1.00686