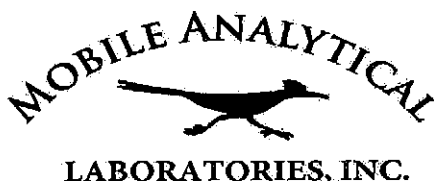


SHIPPING ADDRESS:  
2800 WESTOVER STREET  
ODESSA, TEXAS 79764



BILLING ADDRESS:  
P.O. BOX 69210  
ODESSA, TEXAS 79769-0210

LABORATORY IN ODESSA  
PHONE (432) 337-4744 | FAX (432) 337-8781

08/20/21

## EXTENDED GAS ANALYSIS

LAB 60793

TARGA: VADA  
INLET: 139100009

	MOL %	GPM
HYDROGEN SULFIDE	0.3669	0.000
NITROGEN	3.6197	0.000
METHANE	75.0794	0.000
CARBON DIOXIDE	2.1242	0.000
ETHANE	8.6900	2.320
PROPANE	4.7834	1.316
ISO-BUTANE	0.7911	0.258
N-BUTANE	1.6131	0.508
ISO-PENTANE	0.5141	0.188
N-PENTANE	0.4882	0.177
NEOHEXANE	0.0114	0.005
CYCLOPENTANE	0.0559	0.017
2-METHYLPENTANE	0.1323	0.055
3-METHYLPENTANE	0.0805	0.033
N-HEXANE	0.1909	0.078
METHYLCYCLOPENTANE	0.1158	0.041
BENZENE	0.0654	0.018
CYCLOHEXANE	0.1384	0.047
2-METHYLHEXANE	0.0095	0.004
3-METHYLHEXANE	0.1193	0.055
DIMETHYLCYCLOPENTANES	0.0885	0.036
N-HEPTANE	0.1168	0.054
METHYLCYCLOHEXANE	0.1987	0.080
TRIMETHYLCYCLOPENTANES	0.0144	0.007
TOLUENE	0.1048	0.035
2-METHYLHEPTANE	0.0766	0.039
3-METHYLHEPTANE	0.0027	0.001
DIMETHYLCYCLOHEXANES	0.0477	0.022
N-OCTANE	0.0614	0.031
ETHYL BENZENE	0.0175	0.007
M&P-XYLENES	0.0551	0.021
O-XYLENE	0.0152	0.006
C9 NAPHTHENES	0.0315	0.017
C9 PARAFFINS	0.0854	0.050
N-NONANE	0.0176	0.011
N-DECANE	0.0061	0.004
UNDECANE PLUS	0.0705	0.047
TOTALS	100.0000	5.588

SPECIFIC GRAVITY 0.793  
GROSS DRY BTU/CU.FT. 1255.8  
GROSS WET BTU/CU.FT. 1234.4  
TOTAL MOL. WT. 22.867  
MOL. WT. C6+ 98.721  
SP. GRAVITY C6+ 4.020  
MOL. WT. C7+ 109.126  
SP. GRAVITY C7+ 4.721  
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/18/21  
30 PSI @ 84 °F  
RUN: 08/19/21

SPOT SR  
CYLINDER: 376

DISTRIBUTION: MR JOSEPH AUSTIN  
3669.4 PPM H2S

Meter ID: 139100004		Location Vada Low Pressure Flare			VRSDO.UIS	
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
12/14/21 0:00	0.000	12.647	37.037	0.000	0.000	0.000
12/14/21 1:00	0.000	12.647	40.191	0.000	0.000	0.000
12/14/21 2:00	0.000	12.646	40.026	0.000	0.000	0.000
12/14/21 3:00	0.000	12.642	37.702	0.000	0.000	0.000
12/14/21 4:00	0.000	12.640	37.580	0.000	0.000	0.000
12/14/21 5:00	0.000	12.642	37.414	0.000	0.000	0.000
12/14/21 6:00	0.000	12.644	36.246	0.000	0.000	0.000
12/14/21 7:00	0.000	12.647	42.326	0.000	0.000	0.000
12/14/21 8:00	8.193	12.914	54.079	3.037	3680.346	808.000
12/14/21 9:00	41.033	13.854	53.299	31.439	38104.000	3600.000
12/14/21 10:00	107.463	16.045	54.229	52.114	63162.140	3600.000
12/14/21 11:00	98.827	15.620	55.985	49.455	59939.370	3600.000
12/14/21 12:00	133.302	17.596	55.373	60.256	73030.270	3600.000
12/14/21 13:00	97.737	15.504	56.077	49.151	59570.830	3600.000
12/14/21 14:00	72.198	14.773	56.025	40.289	48830.300	3600.000
12/14/21 15:00	1.239	12.666	56.177	5.492	6656.569	3600.000
12/14/21 16:00	1.254	12.524	54.329	5.504	6670.809	3600.000
12/14/21 17:00	1.089	12.307	51.989	5.099	6179.872	3600.000
12/14/21 18:00	1.058	12.257	51.852	5.018	6081.941	3600.000
12/14/21 19:00	1.002	12.214	51.995	4.875	5908.642	3600.000
12/14/21 20:00	0.953	12.146	51.380	4.746	5752.679	3600.000
12/14/21 21:00	0.913	12.109	50.885	4.642	5625.754	3600.000
12/14/21 22:00	0.942	12.129	51.209	4.715	5714.827	3600.000
12/14/21 23:00	0.871	12.033	50.540	4.522	5480.183	3600.000
<b>Avg/Total:</b>	23.67	13.24	48.50	330.3535	400388.5320	54808.0000

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS  
  
Action 68993

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 68993
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
--

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QUESTIONS

Action 68993

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 68993
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Not answered.
Incident Facility	[fPAC0608141749] Targa Vada Compressor Station

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was this vent or flare caused by an emergency or malfunction	No
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
<i>An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.</i>	
Was there <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	75
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	3,669
Carbon Dioxide (CO2) percentage, if greater than one percent	2
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2  
  
Action 68993

QUESTIONS (continued)

Operator:  TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID:  24650
	Action Number:  68993
	Action Type:  [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/14/2021
Time vent or flare was discovered or commenced	08:47 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	15

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance   Gas Compressor Station   Natural Gas Flared   Released: 330 Mcf   Recovered: 0 Mcf   Lost: 330 Mcf ]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Gas was routed to flare to safely install a new inlet scrubber at the Vada CS. All upstream producers were notified within the required timeframe. Gas was flared to protect personnel and equipment. Gas volumes were minimized to reduce emissions.
Steps taken to limit the duration and magnitude of vent or flare	Gas was flared until the new inlet scrubber was installed and normal operations resumed.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	When the scheduled maintenance was completed, normal operations resumed and flaring ceased.

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ACKNOWLEDGMENTS

Action 68993

**ACKNOWLEDGMENTS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 68993
	Action Type: [C-129] Venting and/or Flaring (C-129)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 68993

**CONDITIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 68993
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
tillmana	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	12/28/2021