

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
5/19/22 0:00	0.000	12.542	70.402	0.000	0.000	0.000
5/19/22 1:00	0.000	12.534	69.155	0.000	0.000	0.000
5/19/22 2:00	0.000	12.526	67.911	0.000	0.000	0.000
5/19/22 3:00	0.000	12.527	66.759	0.000	0.000	0.000
5/19/22 4:00	0.000	12.528	61.849	0.000	0.000	0.000
5/19/22 5:00	0.000	12.532	56.898	0.000	0.000	0.000
5/19/22 6:00	0.000	12.532	54.661	0.000	0.000	0.000
5/19/22 7:00	0.000	12.535	63.845	0.000	0.000	0.000
5/19/22 8:00	0.000	12.533	75.730	0.000	0.000	0.000
5/19/22 9:00	99.614	15.614	81.290	4.546	5510.052	342.000
5/19/22 10:00	80.736	15.874	75.077	2.974	3604.444	272.000
5/19/22 11:00	0.000	12.513	98.584	0.000	0.000	0.000
5/19/22 12:00	0.000	12.502	102.673	0.000	0.000	0.000
5/19/22 13:00	0.000	12.502	104.386	0.000	0.000	0.000
5/19/22 14:00	0.000	12.479	104.683	0.000	0.000	0.000
5/19/22 15:00	14.685	12.913	103.015	0.305	370.265	77.000
5/19/22 16:00	55.783	14.620	80.599	33.786	40948.990	3594.000
5/19/22 17:00	25.884	13.250	79.120	22.602	27393.600	3600.000
5/19/22 18:00	17.814	12.986	79.648	12.250	14846.530	2450.000
5/19/22 19:00	0.000	12.426	87.579	0.000	0.000	0.000
5/19/22 20:00	0.000	12.428	82.441	0.000	0.000	0.000
5/19/22 21:00	0.000	12.431	79.707	0.000	0.000	0.000
5/19/22 22:00	0.000	12.434	76.992	0.000	0.000	0.000
5/19/22 23:00	0.000	12.430	74.868	0.000	0.000	0.000
<b>Avg/Total:</b>	12.27	12.92	79.08	76.4636	92673.8812	10335.0000

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

DEFINITIONS

Action 112561

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 112561
	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 112561

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 112561
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

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

<b>Determination of Reporting Requirements</b> Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
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.	
Was there at least 50 MCF 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> Please provide the mole percent for the percentage questions in this group.	
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
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
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 112561

QUESTIONS (continued)

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 112561
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/19/2022
Time vent or flare was discovered or commenced	09:54 AM
Time vent or flare was terminated	06:41 PM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Gas Compressor Station   Natural Gas Flared   Released: 76 Mcf   Recovered: 0 Mcf   Lost: 76 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[221115] FRONTIER FIELD SERVICES, LLC
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 when a downstream facility operated by third party Durango unexpectedly shut down. The downstream shutdown caused discharge pressure from Vada to increase and the excess pressure was relieved to flare to protect personnel and equipment. This event was caused by a third party and was outside Targa's control.
Steps taken to limit the duration and magnitude of vent or flare	Gas was flared until the downstream shutdown ended.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	There was no corrective action required by Targa; this event was caused by the actions of a third party and was outside Targa's control.

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ACKNOWLEDGMENTS

Action 112561

**ACKNOWLEDGMENTS**

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	Action Number: 112561
	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 112561

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 112561
	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.	6/1/2022