SHIPPING ADDRESS:
2800 WESTOVER STREET
ODESSA, TEXAS 79764

MOBILE ANALYTICAL
LABORATORIES, INC.

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
9/3/21 0:00	0.000	12.613	70.198	0.000	0.000	0.000
9/3/21 1:00	0.000	12.609	69.421	0.000	0.000	0.000
9/3/21 2:00	0.000	12.608	68.909	0.000	0.000	0.000
9/3/21 3:00	0.000	12.609	68.882	0.000	0.000	0.000
9/3/21 4:00	0.000	12.609	68.978	0.000	0.000	0.000
9/3/21 5:00	0.000	12.612	68.215	0.000	0.000	0.000
9/3/21 6:00	0.000	12.636	67.875	0.000	0.000	0.000
9/3/21 7:00	0.000	12.622	69.059	0.000	0.000	0.000
9/3/21 8:00	0.000	12.620	72.480	0.000	0.000	0.000
9/3/21 9:00	0.000	12.623	80.964	0.000	0.000	0.000
9/3/21 10:00	0.000	12.622	86.018	0.000	0.000	0.000
9/3/21 11:00	121.706	23.037	66.727	51.794	62774.830	2808.000
9/3/21 12:00	126.193	21.467	67.000	61.540	74586.540	3415.000
9/3/21 13:00	28.892	13.721	77.469	2.005	2430.528	342.000
9/3/21 14:00	39.491	15.345	84.747	1.219	1477.965	158.000
9/3/21 15:00	58.630	17.260	72.815	4.598	5572.479	432.000
9/3/21 16:00	31.327	13.808	81.045	0.368	446.588	58.000
9/3/21 17:00	35.609	14.033	73.688	0.499	604.776	71.000
9/3/21 18:00	31.612	14.125	71.322	0.546	662.104	83.000
9/3/21 19:00	39.042	14.818	67.742	1.045	1266.296	138.000
9/3/21 20:00	11.482	12.984	70.934	0.087	105.228	26.000
9/3/21 21:00	0.000	12.622	69.425	0.000	0.000	0.000
9/3/21 22:00	0.000	12.618	69.611	0.000	0.000	0.000
9/3/21 23:00	0.000	12.620	69.476	0.000	0.000	0.000
Avg/Total:	21.83	14.05	72.21	123.7024	149927.3337	7531.0000

District I
1625 N. French Dr., Hobbs, NM 88240
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District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 47031

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 47031
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
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**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a venting and/or flaring 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 or will there be **at least 50 MCF** of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring result in the release of **ANY** 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 venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	*Not answered.*
Additional details for Equipment Involved. Please specify	*Not answered.*

Representative Compositional Analysis of Vented or Flared Natural Gas	
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 (C02) percentage, if greater than one percent	2
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	09/03/2021
Time venting and/or flaring was discovered or commenced	11:13 AM
Time venting and/or flaring was terminated	08:00 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure | Gas Compressor Station | Natural Gas Flared | Released: 124 Mcf | Recovered: 0 Mcf | Lost: 124 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 or is this venting and/or flaring a result of downstream activity	*Not answered.*
Was notification of downstream activity received by you or your operator	*Not answered.*
Downstream OGRID that should have notified you or your operator	*Not answered.*
Date notified of downstream activity requiring this venting and/or flaring	*Not answered.*
Time notified of downstream activity requiring this venting and/or flaring	*Not answered.*

Steps and Actions to Prevent Waste	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Field gas was routed to flare when a control valve on the fuel gas line unexpectedly shut, preventing the compressors from receiving fuel and being able to operate properly. Field gas was routed to flare to protect personnel and equipment.
Steps taken to limit the duration and magnitude of venting and/or flaring	Gas was routed to flare until the control valve could be repaired and the fuel line returned to service.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	When the control valve was repaired, all operating parameters on the valve were verified to be correct. When the valve was verified to be safe to operate, the fuel gas line was returned to service and normal operations resumed. Flaring ceased.

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CONDITIONS

Action 47031

CONDITIONS

Operator:	OGRID:
TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	24650
	Action Number: 47031
	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.	9/8/2021