

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

08/16/22

EXTENDED GAS ANALYSIS

LAB 65605

TARGA: VADA
LOW PRESSURE INLET: 139100005

	MOL %	GPM
HYDROGEN SULFIDE	0.7838	0.000
NITROGEN	2.9428	0.000
METHANE	71.8771	0.000
CARBON DIOXIDE	3.6521	0.000
ETHANE	9.9048	2.645
PROPANE	5.6752	1.561
ISO-BUTANE	0.8463	0.277
N-BUTANE	1.8038	0.568
ISO-PENTANE	0.5626	0.205
N-PENTANE	0.5407	0.196
NEOHXANE	0.0136	0.006
CYCLOPENTANE	0.0496	0.015
2-METHYLPENTANE	0.1134	0.047
3-METHYLPENTANE	0.0665	0.027
N-HEXANE	0.1463	0.060
METHYLCYCLOPENTANE	0.0852	0.030
BENZENE	0.0428	0.012
CYCLOHEXANE	0.1011	0.034
2-METHYLHEXANE	0.0402	0.019
3-METHYLHEXANE	0.0422	0.019
DIMETHYLCYCLOPENTANES	0.0545	0.022
N-HEPTANE	0.0684	0.032
METHYLCYCLOHEXANE	0.1263	0.051
TRIMETHYLCYCLOPENTANES	0.0093	0.004
TOLUENE	0.0577	0.019
2-METHYLHEPTANE	0.0447	0.023
3-METHYLHEPTANE	0.0017	0.001
DIMETHYLCYCLOHEXANES	0.0298	0.013
N-OCTANE	0.0417	0.021
ETHYL BENZENE	0.0113	0.004
M&P-XYLENES	0.0403	0.016
O-XYLENE	0.0121	0.005
C9 NAPHTHENES	0.0341	0.018
C9 PARAFFINS	0.0602	0.035
N-NONANE	0.0196	0.012
N-DECANE	0.0098	0.006
UNDECANE PLUS	0.0884	0.059
TOTALS	100.0000	6.062

SPECIFIC GRAVITY 0.813
GROSS DRY BTU/CU.FT. 1256.2
GROSS WET BTU/CU.FT. 1234.8
TOTAL MOL. WT. 23.461
MOL. WT. C6+ 100.270
SP. GRAVITY C6+ 4.102
MOL. WT. C7+ 113.186
SP. GRAVITY C7+ 4.988
BASIS: 14.65 PSTA @ 60 °F

SAMPLED: 08/10/22
19 PSI @ 80 °F
RUN: 08/11/22
SPOT SR
CYLINDER: 65
DISTRIBUTION: MR JOSEPH AUSTIN
7837.94 PPM H2S

Meter ID: 139100004	Location Vada Low Pressure Flare			VRSDO.UIS		
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
8/21/22 0:00	0.000	12.627	65.310	0.000	0.000	0.000
8/21/22 1:00	86.047	15.433	67.021	5.456	6612.965	446.000
8/21/22 2:00	127.038	22.063	71.564	63.004	76361.160	3434.000
8/21/22 3:00	0.000	12.618	66.976	0.000	0.000	0.000
8/21/22 4:00	0.000	12.634	64.563	0.000	0.000	0.000
8/21/22 5:00	0.000	12.624	63.121	0.000	0.000	0.000
8/21/22 6:00	0.000	12.629	62.172	0.000	0.000	0.000
8/21/22 7:00	0.000	12.634	62.564	0.000	0.000	0.000
8/21/22 8:00	0.000	12.640	64.645	0.000	0.000	0.000
8/21/22 9:00	0.000	12.645	67.671	0.000	0.000	0.000
8/21/22 10:00	0.000	12.647	72.386	0.000	0.000	0.000
8/21/22 11:00	0.000	12.641	76.667	0.000	0.000	0.000
8/21/22 12:00	0.000	12.645	77.423	0.000	0.000	0.000
8/21/22 13:00	0.000	12.645	76.743	0.000	0.000	0.000
8/21/22 14:00	0.000	12.640	76.955	0.000	0.000	0.000
8/21/22 15:00	0.000	12.633	77.058	0.000	0.000	0.000
8/21/22 16:00	0.000	12.633	75.111	0.000	0.000	0.000
8/21/22 17:00	0.000	12.634	72.945	0.000	0.000	0.000
8/21/22 18:00	0.000	12.634	70.627	0.000	0.000	0.000
8/21/22 19:00	0.000	12.641	69.249	0.000	0.000	0.000
8/21/22 20:00	0.000	12.650	68.181	0.000	0.000	0.000
8/21/22 21:00	0.000	12.656	66.803	0.000	0.000	0.000
8/21/22 22:00	0.000	12.657	66.079	0.000	0.000	0.000
8/21/22 23:00	0.000	12.651	64.957	0.000	0.000	0.000
Avg/Total:	8.88	13.15	69.45	68.4605	82974.1250	3880.0000

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DEFINITIONS

Action 139831

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 139831
	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:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 139831

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 139831
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<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

Determination of Reporting Requirements	
<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	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.
<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 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 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 vent or flare within an incorporated municipal boundary or within 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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	7,838
Carbon Dioxide (CO2) percentage, if greater than one percent	4
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 (continued)

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	Action Number: 139831
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/21/2022
Time vent or flare was discovered or commenced	01:52 AM
Time vent or flare was terminated	02:57 AM
Cumulative hours during this event	1

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: 68 Mcf Recovered: 0 Mcf Lost: 68 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 flared when a downstream facility operated by a third party unexpectedly shut down. Discharge pressure from Vada CS increased, and the excess pressure was relieved through the flare. This event was caused by the actions of 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 139831

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	Action Number: 139831
	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 complete 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 139831

CONDITIONS

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	Action Number: 139831
	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.	8/31/2022