



**TABLE 1**  
**WATER QUALITY ANALYTICAL RESULTS: EVANS 26H-1 AND BAGLEY 26H-1 RIG SUPPLY WELLS**  
XTO Energy, Inc., Bethany Longstreet Field, DeSoto Parish, Louisiana

Lab	Analyte Type	Analyte	Method	Screening Limit	Limit Type	Units	Rig Supply					
							Evans 26H-1 Rig Supply Well	Evans 26H-1 Rig Supply Well	Evans 26H-1 Rig Supply Well	Bagley 26H-1 Rig Supply Well	Bagley 26H-1 Rig Supply Well	Bagley 26H-1 Rig Supply Well
							Location ID:	Location ID:	Location ID:	Location ID:	Location ID:	Location ID:
							Collected By:	Collected By:	Collected By:	Collected By:	Collected By:	Collected By:
							Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
							N	N	Dup	N	Dup	N
GCAL	VOCs	Methyl Ethyl Ketone	EPA 8260B	<b>1906.086</b>	RECAP GW 1	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Methyl Tert Butyl Ether	EPA 8260B	<b>20</b>	RECAP GW 1	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Methylene Chloride	EPA 8260B	<b>5</b>	MCL	ug/L	-	<0.2	<0.2	-	-	1.74 J
GCAL	VOCs	Naphthalene	EPA 8260B	<b>10</b>	RECAP GW 1	ug/L	-	8.09	<0.2	-	-	<0.2
GCAL	VOCs	n-Butylbenzene	EPA 8260B	--	--	ug/L	-	1.49 J	<0.2	-	-	<0.2
GCAL	VOCs	n-Propylbenzene	EPA 8260B	--	--	ug/L	-	<1	<1	-	-	<1
GCAL	VOCs	o-Xylene	EPA 8260B	--	--	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	p-Isopropyltoluene	EPA 8260B	--	--	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	sec-Butylbenzene	EPA 8260B	--	--	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Styrene	EPA 8260B	<b>100</b>	MCL	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	tert-Butylbenzene	EPA 8260B	--	--	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Tetrachloroethene	EPA 8260B	<b>5</b>	MCL	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Toluene	EPA 8260B	<b>1000</b>	MCL	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	9.97
GCAL	VOCs	trans-1,2-Dichloroethene	EPA 8260B	<b>100</b>	MCL	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	trans-1,3-Dichloropropene	EPA 8260B	--	--	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	trans-1,4-Dichloro-2-butene	EPA 8260B	--	--	ug/L	-	<0.5	<0.5	-	-	<0.5
GCAL	VOCs	Trichloroethene	EPA 8260B	<b>5</b>	MCL	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Trichlorofluoromethane	EPA 8260B	<b>1288.235</b>	RECAP GW 1	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Trichlorotrifluoroethane	EPA 8260B	--	--	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Vinyl chloride	EPA 8260B	<b>2</b>	MCL	ug/L	-	<0.2	<0.2	-	-	<0.2
GCAL	VOCs	Xylene (Total)	EPA 8260B	<b>10000</b>	MCL	ug/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

**Notes:**

- The screening limit of 10 mg/L for Nitrate/Nitrite as N is the MCL for Nitrate (USEPA).
- Concentrations exceeding the applicable screening limits are in **bold** and highlighted in yellow.
- Detected concentrations of VOCs are highlighted in pink.
- "--" = no screening limit.
- Sample Type: N = Primary Sample; Dup = Duplicate Sample

**Limit Type**

MCL = Maximum Contaminant Level (US EPA)  
SMCL = Secondary Maximum Contaminant Level (US EPA)  
MCLG = Goal Maximum Contaminant Level (US EPA)  
Action Level = U.S. Department of the Interior Recommended Action Level.  
RECAP GW 1 = LDEQ RECAP GW 1 Standard

**TABLE 2**  
**DISSOLVED GAS ANALYTICAL RESULTS: RIG SUPPLY WELLS**  
XTO Energy, Inc., Bethany Longstreet Field, DeSoto Parish, Louisiana

Lab	Analyte Type	Analyte	Method	Screening Limit	Limit Type	Units	Rig Supply		
							Evans 26H-1 Rig Supply Well	Evans 26H-1 Rig Supply Well	Bagley 26H-1 Rig Supply Well
<b>Well Type:</b>							Rig Supply		
<b>Location ID:</b>							Evans 26H-1 Rig Supply Well		
<b>Collected By:</b>							GSI		
<b>Sample Date:</b>							10/19/2018		
<b>Sample Type:</b>							N		
							Evans 26H-1 Rig Supply Well		
							GSI		
							10/19/2018		
							N		
<b>Compounds Dissolved in Water</b>									
Isotech	Gas	Methane	SOP	<b>10</b>	<b>Action Level</b>	mg/L	0.00099	0.0014	6
Isotech	Gas	Ethane	SOP	--	--	mg/L	<0.0002	<0.0002	0.0027
Isotech	Gas	Propane	SOP	--	--	mg/L	<0.0003	<0.0003	<0.0003
<b>Percentage of Compounds in Gas Phase</b>									
Isotech	Gas	Methane	SOP	--	--	MOL %	0.0058	0.0078	27.02
Isotech	Gas	Ethane	SOP	--	--	MOL %	<0.0001	<0.0001	0.0061
Isotech	Gas	Ethene	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	Propane	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	Propylene	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	n-Butane	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	Isobutane	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	n-Pentane	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	Isopentane	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	C6+ (hexanes +)	SOP	--	--	MOL %	<0.0001	<0.0001	<0.0001
Isotech	Gas	Argon	SOP	--	--	MOL %	1.63	1.64	1.42
Isotech	Gas	Carbon Dioxide	SOP	--	--	MOL %	15.43	16.89	0.38
Isotech	Gas	Carbon Monoxide	SOP	--	--	MOL %	<0.01	<0.01	<0.01
Isotech	Gas	Hydrogen	SOP	--	--	MOL %	<0.01	<0.01	<0.01
Isotech	Gas	Nitrogen (N2)	SOP	--	--	MOL %	79.75	78.6	69.56
Isotech	Gas	Oxygen (O2)	SOP	--	--	MOL %	3.18	2.86	1.61
Isotech	Isotope	del-13C C1	SOP	--	--	‰	-	-	-72.98
Isotech	Isotope	del-D C1	SOP	--	--	‰	-	-	-205.2
Isotech	Physical	BTU	SOP	--	--	BTU	-	-	274
Isotech	Physical	Helium Dilution Factor	SOP	--	--	NA	0.82	0.83	0.77
Isotech	Physical	Specific Gravity	SOP	--	--	Unitless	1.063	1.071	0.866

**Notes:**

1. Concentrations exceeding the applicable screening limits are in **bold** and highlighted in yellow.
2. "--" = no screening limit.
3. Action Level = U.S. Department of the Interior Recommended Action Level.
4. Sample Type: N = Primary Sample; Dup = Duplicate Sample