



Certificate of Analysis

SINCE 1985

Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400

FAX: (281) 495-2410

CLIENT:	Pencco	REQUESTED BY:	Ms. Sarah Duffy
CLIENT PROJECT:		PURCHASE ORDER NO:	PENDING
LABORATORY NO:	103737 R1	REPORT DATE:	December 20, 2024
SAMPLE:	Fluoride		

Trace Metals by ICP/MS. ASTM D 5673.c

	<u>Results, mg/kg</u>
Silver	<1.0
Aluminum	<1.0
Arsenic	<1.0
Boron	<1.0
Barium	<1.0
Beryllium	<1.0
Cadmium	<1.0
Cobalt	<1.0
Chromium	<1.0
Copper	<1.0
Iron	<1.0
Mercury	<1.0
Potassium	<1.0
Lithium	<1.0
Magnesium	<1.0
Manganese	<1.0
Molybdenum	<1.0
Sodium	2.3
Nickel	<1.0
Lead	<1.0
Antimony	<1.0
Selenium	<1.0
Tin	<1.0
Strontium	<1.0
Titanium	<1.0
Thallium	<1.0
Vanadium	<1.0
Zinc	<1.0

Cert # L22-141,C2021-03719

Quality Management System Certified to ISO 9001:2015, and ISO/IEC 17025:2017

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Parameter	Results
Anions in Water by Chemically Suppressed Ion Chromatography, Fluoride, ASTM D 4327.a, %	29.60
Specific Gravity, ASTM D 1429	1.2254
pH of 1% Solution with Glass Electrode, ASTM E 70, SPT06	1.32
Color, APHA, Platinum-Cobalt Scale, ASTM D 1209	<0.5

Fluorosilicic Acid, Hydrogen Titration Includes Free HF, AWWA B703.a

	Results, wt. %
HFSA as H ₂ SiF ₆	24.68
H ₂ SiF ₆ as HF	19.87
Free Acid*	0.65

*Free Acid other than Fluorosilicic Acid, expressed as HF.

Respectfully submitted
For Texas OilTech Laboratories, L.P.

Ikenna "Ike" Ezeji
Laboratory Director



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