



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the
operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Environmental and Biological (Microbiological) Testing ***(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this
certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the
Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

January 13, 2021

Issue Date:

June 12, 2024

Expiration Date:

June 12, 2026

Accreditation No.:

99137

Certificate No.:

L24-437

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454

Contact Name: Drew Miller

Accreditation is granted to the facility to perform the following testing:

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
F2	Biological ^F (Microbiological)	Ambient Water	Total Coliform Enumeration	Colilert	CF-QN
F2			Total Coliform Enumeration	Colilert 18	
F2			E. coli Enumeration	SM 9223 B 24 th Ed., 2022	
F2		Drinking Water	Fecal Coliform, Enumeration	SM 9221 B, E 24 th Ed., 2022	FB-LE-QL
F2			E. Coli, Enumeration	SM 9223 B Colilert 24 th Ed., 2022	CF-QN
			E. Coli, P/A		CF-QL
			Total Coliform, Enumeration		CF-QN
			Total Coliform, P/A		CF-QL
F2			E. Coli, Enumeration	SM 9223 B Colilert 18, 24 th Ed., 2022	CF-QN
			E. Coli, P/A		CF-QL
			Total Coliform, Enumeration		CF-QN
		Total Coliform, P/A	CF-QL		
F2		Non-Potable Water	Fecal Coliform, Enumeration	Colilert 18	CF-QN
F2		Ambient Water	Enterococci	Enterolert	F-QT-QN
F2		Drinking Water	Total Coliform Enumeration	SM 9221 B, C 24 th Ed., 2022	FB-LE-QL
F2		Ambient Water Non-Potable Water	E. coli Enumeration	Colilert	CF-QN
F2			E. coli Enumeration	Colilert 18	
F2			Fecal Coliform Enumeration	SM 9221 C, E 24 th Ed., 2022	FB-LE-QL
F2		Drinking Water Non-Potable Water	Heterotrophic Bacteria	SM 9215 B, 24 th Ed., 2022	PP-QN
F2	Environmental ^F	Drinking Water	Hydrogen Ion (pH)	EPA 150.1, 1982	ISE
F2				SM 4500-H\+ B, 24 th Ed., 2022	UV-VIS
F2			Metals	EPA 200.7 Rev. 4.4, 1994	ICP-AES
F2				EPA 200.8, Rev. 5.4, 1994	ICP-MS
F2				SM 3120 B, 24 th Ed., 2022	ICP-AES
F2			Chromium (VI)	EPA 218.6 Rev. 3.2, 1991	IC-UV
F2			Mercury	EPA 245.1, Rev. 3.0, 1994	CVAAS
F2				SM 3112 B, 24 th Ed., 2022	
F2			Anions	EPA 300.0, Rev. 2.1, 1993	IC-COND
F2				SM 4110B, 24 th Ed., 2022	
F2			Color	SM 2120 B, 24 th Ed., 2022	Visual



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F2	Environmental ^F	Drinking water	Turbidity	EPA 180.1, Rev. 2.0 1993	TURB
F2				SM 2130B, 24 th Ed., 2022	
F2			Alkalinity	SM 2320 B, 24 th Ed., 2022	TITR
F2			Corrosivity	SM 2330 B, 24 th Ed., 2022	CALC
F2			Ca Hardness as CaCO ₃	SM 2340 B 24 th Ed., 2022	
F2			Hardness (Calculation)	SM 3120 B, 24 th Ed., 2022	ICP-AES
F2				SM 2340 B, 24 th Ed., 2022	CALC
F2			Hardness	SM 3120 B, 24 th Ed., 2022	ICP-AES
F2				SM 2340 C, 24 th Ed., 2022	TITR
F2			Conductivity	SM 2510 B, 24 th Ed., 2022	COND
F2			TS	SM 2540 B, 24 th Ed., 2022	GRAV
F2			Residue, Filterable TDS	SM 2540 C, 24 th Ed., 2022	
F2			TSS	SM 2540 D, 24 th Ed., 2022	
F2			Chlorine, Free Available	SM 4500-Cl G, 24 th Ed., 2022	UV-VIS
			Chlorine, Total Residual		
F2			Cyanide, Total	SM 4500-CN E, 24 th Ed., 2022	
F2			Ammonia (as N)	SM 4500-NH ₃ D, 24 th Ed., 2022	ISE
F2			Phosphate, Ortho	SM 4500-P E, 24 th Ed., 2022	UV-VIS
F2			Organic carbon-Dissolved (DOC)	SM 5310 B, 24 th Ed., 2022	TOC-IR
			Organic carbon-Total (TOC)		
F2			Surfactants	SM 5540C, 24 th Ed., 2022	UV-VIS
F2		Non-potable water	Specific Conductance	EPA 120.1, Rev. 1.0, 1982	COND
F2			Residue, Volatile	EPA 160.4, Rev. 1.0, 1971	GRAV
F2			1,4-Dioxane	EPA 1625, 2003	GC-MS
F2			Oil & Grease, Total Recoverable	EPA 1664 A, 1999	GRAV
F2			Hardness (Calculation)	EPA 200.7, Rev. 4.4, 1994	ICP-AES
F2				EPA 200.8, Rev. 5.4, 1994	ICP-MS
F2				EPA 6010B, Rev. 2.0, 1996	ICP-AES
F2				EPA 6020, Rev. 0, 1994	ICP-MS
F2				SM 2340 B, 24 th Ed., 2022	CALC
F2				SM 3120 B, 24 th Ed., 2022	ICP-AES
F2				SM 3125 B, 24 th Ed., 2022	ICP-MS



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F2	Environmental ^F	Non-potable water	Metals	EPA 200.7, Rev. 4.4, 1994	ICP-AES
F2				EPA 200.8, Rev. 5.4, 1994	ICP-MS
F2				EPA 6010B, Rev. 2.0, 1996	ICP-AES
F2				EPA 6020, Rev. 0, 1994	ICP-MS
F2				SM 3120 B, 24 th Ed., 2022	ICP-AES
F2				SM 3125 B, 24 th Ed., 2022	ICP-MS
F2			Chromium (VI)	EPA 218.6, Rev. 3.3, 1994	IC-UV
F2				EPA 7196A, Rev. 1.0, 1992	UV-VIS
F2			Mercury	EPA 245.1, Rev. 3.0, 1994	CVAAS
F2				EPA 7470A, Rev. 1.0, 1994	
F2				SM 3112 B, 24 th Ed., 2022	
F2			Phosphate, Ortho (as P)	EPA 365.3, 1978	UV-VIS
			Phosphorus, Total		
F2			Chemical Oxygen Demand	EPA 410.4, Rev. 2.0, 1993	AUTO
F2			Phenols, Total	EPA 420.1, Rev. 1.0, 1978	UV-VIS
F2			Calcium hardness as CaCO ₃	EPA 200.7, Rev. 4.4, 1994	ICP-AES
F2				EPA 200.8, Rev. 5.4, 1994	ICP-MS
F2				EPA 6010B, Rev. 2.0, 1996	ICP-AES
F2				EPA 6020, Rev. 0, 1994	ICP-MS
F2				SM 2340 B, 24 th Ed., 2022	CALC
F2				SM 3120 B, 24 th Ed., 2022	ICP-AES
F2				SM 3125 B, 24 th Ed., 2022	ICP-MS
F2			Organochlorine Pesticides & PCBs	EPA 608.3, 2016	GC-ECD
F2			Volatile Organic Compounds	EPA 624.1, 2016	GC-MS
F2				EPA 8260B, Rev. 2.0, 1996	
F2			Semi-volatile Organic Compounds	EPA 625.1, 2014	



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F2	Environmental ^F	Non-potable water	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B, Rev. 2.0, 1996	GC-FID
			Ethanol and Methanol		
			Gasoline-range Organics		
F2			Organochlorine Pesticides	EPA 8081A, Rev. 1.0, 1996	GC-ECD
F2			PCBs	EPA 8082, Rev. 0, 1996	
F2			Oxygenates	EPA 8260B, Rev. 2.0, 1996	GC-MS
F2			Extractable Organics	EPA 8270C, Rev. 3.0, 1996	
F2			Cyanide	EPA 9014, Rev. 0, 1996	TITR
F2			Sulfides, Total	EPA 9034, Rev. 0, 1996	
F2			Corrosivity - pH Determination	EPA 9040B, Update II, 1994	ISE
F2			Anions	EPA 9056, Rev. 0, 1994	IC-COND
F2				EPA 300.0, Rev. 2.1, 1993	
F2			Chemical Oxygen Demand	Hach 8000	UV-VIS
F2			Diesel-range Total Petroleum Hydrocarbons	LUFT 2012 rev. 2015 Mod.	GC-FID
			Total Petroleum Hydrocarbons - Gasoline		
F2			BTEX and MTBE	LUFT GC/MS 2012 rev. 2015 Mod.	GC-MS
			Diesel-range Total Petroleum Hydrocarbons		
			Total Petroleum Hydrocarbons - Gasoline		
F2			Color	SM 2120 B, 24 th Ed., 2022	Other
F2			Turbidity	SM 2130 B, 24 th Ed., 2022	TURB
F2				EPA 180.1, Rev. 2.0, 1993	
F2			Alkalinity	SM 2320 B, 24 th Ed., 2022	TITR
F2			Hardness	SM 2340 C, 24 th Ed., 2022	
F2			Specific Conductance	SM 2510 B, 24 th Ed., 2022	COND
F2			Residue, Total	SM 2540 B, 24 th Ed., 2022	GRAV



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F2	Environmental ^F	Non-potable water	Residue, Filterable (TDS)	SM 2540 C, 24 th Ed., 2022	GRAV
F2			Residue, Non-filterable (TSS)	SM 2540 D, 24 th Ed., 2022	
F2			Residue, Fixed	SM 2540 D, 24 th Ed., 2022	
F2			Residue, Volatile	SM 2540 E, 24 th Ed., 2022	
F2			Residue, Settleable	SM 2540 F, 24 th Ed., 2022	PHYS
F2			Temperature	SM 2550 B, 24 th Ed., 2022	CAL
F2			Chromium (VI)	SM 3500-Cr B, 24 th Ed., 2022	UV-VIS
F2				SM 3500-Cr C, 24 th Ed., 2022	IC-UV
F2			Iron	SM 3500-Fe B, 24 th Ed., 2022	UV-VIS
F2			Anions	SM 4110 B, 24 th Ed., 2022	IC-COND
F2			Chlorine, Free Available	SM 4500-Cl G, 24 th Ed., 2022	UV-VIS
F2			Chlorine, Total Residual		
F2			Cyanide, Total	SM 4500-CN- E, 24 th Ed., 2022	UV-VIS
F2			Hydrogen Ion (pH)	SM 4500-H+ B, 24 th Ed., 2022	ISE
F2			Ammonia (as N)	SM 4500-NH3 D, 24 th Ed., 2022	
F2			Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 D, 24 th Ed., 2022	
F2				SM 4500-Norg C, 24 th Ed., 2022	PREP
F2			Oxygen, Dissolved	SM 4500-O G, 24 th Ed., 2022	ISE
F2			Phosphate, Ortho (as P)	SM 4500-P E, 24 th Ed., 2022	UV-VIS
F2			Phosphorus, Total		
F2			Biochemical Oxygen Demand	SM 5210 B, 24 th Ed., 2022	GALV
F2			Carbonaceous BOD		
F2			Chemical Oxygen Demand	SM 5220 D, 24 th Ed., 2022	UV-VIS
F2			Organic carbon-Total (TOC)	SM 5310 B, 24 th Ed., 2022	TOC-IR
F2			TRPH	SM 5520 F, 24 th Ed., 2022	GRAV
F2			Phenols, Total	SM 5530 D, 24 th Ed., 2022	UV-VIS
F2			Surfactants	SM 5540 C, 24 th Ed., 2022	
F2		Oil	PCBs	EPA 8082, Rev. 0, 1996	GC-ECD
F2		Solids	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II, 1991	BioTox
F2			Ignitability	EPA 1010, Rev. 0, 1986	PHYS
F2				EPA 1030 Rev. 0, 1996	



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F2	Environmental ^F	Solids	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311, Rev. 0, 1992	PREP
F2			n-Hexane Extractable Material (O&G)	EPA 1664A, 1999	GRAV
F2			Non-Polar Extractable Material (TPH)	EPA 1664A (SGT-HEM), 1999	
F2			Anions	EPA 300.0, Rev. 2.1, 1993	IC-COND
F2			Total Phosphorus	EPA 365.3, 1978	UV-VIS
F2			Metals	EPA 6010B, Rev. 2.0, 1996	ICP-AES
F2				EPA 6020, Rev. 0, 1994	ICP-MS
F2			Chromium (VI)	EPA 7196A, Rev. 1.0, 1992	UV-VIS
F2				EPA 7199, Rev. 0, 1996	IC-UV
F2			Mercury	EPA 7471A, Rev. 1.0, 1994	CVAAS
F2			Diesel-range Total Petroleum Hydrocarbons	EPA 8015B, Rev. 2.0, 1996	GC-FID
F2			Gasoline-range Organics	EPA 8015B, Rev. 2.0, 1996	GC-FID
F2			Organochlorine Pesticides	EPA 8081A, Rev. 1.0, 1996	GC-ECD
F2			PCBs	EPA 8082, Rev. 0, 1996	
F2			Oxygenates	EPA 8260B, Rev. 2.0, 1996	GC-MS
F2			Volatile Organic Compounds	EPA 8260B, Rev. 2.0, 1996	
F2			Extractable Organics	EPA 8270C, Rev. 3.0, 1996	
F2			PAHs	EPA 8270-SIM, Rev. 3.0, 1996	
F2			Cyanide	EPA 9014, Rev. 0, 1996	TITR
F2			Corrosivity - pH Determination	EPA 9045C, Update II, 1995	ISE
F2			Anions	EPA 9056, Rev. 0, 1994	IC-COND
F2			Diesel-range Total Petroleum Hydrocarbons	LUFT 2012 rev. 2015 Mod.	GC-FID
F2			Total Petroleum Hydrocarbons - Gasoline	LUFT 2012 rev. 2015 Mod.	
F2			BTEX and MTBE	LUFT GC/MS 2012 rev. 2015 Mod.	GC-MS
F2			Diesel-range Total Petroleum Hydrocarbons	LUFT GC/MS 2012 rev. 2015 Mod.	
F2			Total Petroleum Hydrocarbons - Gasoline	LUFT GC/MS 2012 rev. 2015 Mod.	
F2			Reactive Cyanide	Section 7.3 SW-846, rev. 3.0, 1996	TITR
F2			Reactive Sulfide	Section 7.3 SW-846, rev. 3.0, 1996	
F2			Anions	SM 4110B, 24 th Ed., 2022	IC-COND
F2		Solids and Chemical	96 Hour LC50	Polisini & Miller (CDFG 1988)	BioTox



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Accreditation is granted to the facility to perform the following testing:

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
2. Flex Code:
 - F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method
 - F2-Introduction of a new version of an accredited standard method (with no modifications)
 - F3-Introduction of a new parameter/component/analyte to an accredited test method
 - F4-Introduction of a new version or modifications of an accredited non-standard method
 - F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)

