



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 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

Initial Accreditation Date:

January 13, 2021

Issue Date:

October 24, 2022

Expiration Date:

October 24, 2024

Accreditation No.:

99137

Certificate No.:

L22-846

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

*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.pjilabs.com*



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454
Contact Name: Drew Miller Phone: 805-354-7306

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Microbiological ^F	Ambient Water	Total Coliform Enumeration	Colilert	1 MPN/100 mL
		Total Coliform Enumeration	Colilert 18	
		E. coli Enumeration	SM 9223 B-2004	
	Drinking Water	Fecal Coliform, Enumeration	SM 9221 B, E	1.8 MPN/100 mL
		E. Coli, Enumeration	SM 9223 B Colilert	1 MPN/100 mL
		E. Coli, P/A		Presence/Absence
		Total Coliform, Enumeration		1 MPN/100 mL
		Total Coliform, P/A		Presence/Absence
		E. Coli, Enumeration	SM 9223 B Colilert 18	1 MPN/100 mL
		E. Coli, P/A		Presence/Absence
		Total Coliform, Enumeration		1 MPN/100 mL
		Total Coliform, P/A		Presence/Absence
	Non-Potable Water	Fecal Coliform, Enumeration	Colilert 18	1 MPN/100 mL
	Ambient Water	Enterococci	Enterolert	1 MPN/100 mL
	Drinking Water	Total Coliform Enumeration	SM 9221 B, C-2006	1.8 MPN/100 mL
	Non-Potable Water	E. coli Enumeration	Colilert	1 MPN/100 mL
	Ambient Water		Colilert 18	
	Non-Potable Water		SM 9221 C, E-2006	1.8 MPN/100 mL
	Drinking Water	Heterotrophic Bacteria	SM 9215 B	2 CFU/mL
	Non-Potable Water			
Environmental ^F	Drinking Water	Hydrogen Ion (pH)	EPA 150.1	0.05 pH to 13.95 pH DL = 0.1 pH
			SM 4500-H\+ B-2000	
		Metals	EPA 200.7	various
			EPA 200.8	
			SM 3120 B-1999	
		Chromium (VI)	EPA 218.6	0.5 ug/L
		Mercury	EPA 245.1	0.000 2 mg/L
			SM 3112 B	
		Anions	EPA 300.0	various
			SM 4110B-2000	
		Color	SM 2120 B	3 Color Units



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454
Contact Name: Drew Miller Phone: 805-354-7306

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Environmental ^F	Drinking water	Turbidity	EPA 180.1	0.1 NTU
			SM 2130B-2001	
		Alkalinity	SM 2320 B-1997	10 mg/L
		Corrosivity	SM 2330 B	[CALC]
		Ca Hardness as CaCO ₃	SM 2340 B-1997	0.2 mg/L
			SM 3120 B-1999	
		Hardness (Calculation)	SM 2340 B-1997	0.2 mg/L
			SM 3120 B-1999	
		Hardness	SM 2340 C-1997	2 mg/L
		Conductivity	SM 2510 B-1997	2 µΩ/cm
		TS	SM 2540 B 1997	10 mg/L
		Residue, Filterable TDS	SM 2540 C-1997	10 mg/L
		TSS	SM 2540 D 1997	10 mg/L
		Chlorine, Free Available	SM 4500-Cl G-2000	0.1 ppm
		Chlorine, Total Residual		
		Cyanide, Total	SM 4500-CN E-1999	0.04 mg/L
		Cyanide, amenable	SM 4500-CN G-1999	0.02 mg/L
		Ammonia (as N)	SM 4500-NH ₃ D	0.1 mg/L
		Phosphate, Ortho	SM 4500-P E-1999	0.025 mg/L
		Organic carbon-Dissolved (DOC)	SM 5310 B-2000	0.5 mg/L
		Organic carbon-Total (TOC)		
		Surfactants	SM 5540C-2000	0.05 mg/L



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454
Contact Name: Drew Miller Phone: 805-354-7306

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Environmental ^F	Non-potable water	Specific Conductance	EPA 120.1 (1982 Rev. 1.0)	2 $\mu\Omega$ /cm
		Residue, Volatile	EPA 160.4 (1971)	10 mg/L
		1,4-Dioxane	EPA 1625	1 ug/L
		Oil & Grease, Total Recoverable	EPA 1664 A	5 mg/L
		Hardness (Calculation)	EPA 200.7 (1994 Rev. 4.4)	0.2 mg/L
			EPA 200.8 (1994 Rev. 5.4)	
			EPA 6010B	
			EPA 6020	
			SM 2340 B-2011	
			SM 3120 B-2011	
			SM 3125 B-2011	
		Metals	EPA 200.7 (1994 Rev. 4.4)	various
			EPA 200.8 (1994 Rev. 5.4)	
			EPA 6010B	
			EPA 6020	
			SM 3120 B-2011	
			SM 3125 B-2011	
		Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)	0.5 ug/
			EPA 7196A	0.01 mg/L
		Mercury	EPA 245.1 (1994 Rev. 3.0)	0.0002 mg/L
			EPA 7470A	
			SM 3112 B-2011	
		Phosphate, Ortho (as P)	EPA 365.3 (1978)	0.025 mg/L
		Phosphorus, Total		
		Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)	20 mg/L
		Phenols, Total	EPA 420.1 (1978 Rev. 1.0)	0.05 mg/L
		Calcium hardness as CaCO ₃	EPA 200.7 (1994 Rev. 4.4)	0.2 mg/L
			EPA 200.8 (1994 Rev. 5.4)	
			EPA 6010B	
			EPA 6020	
			EPA 6020	
			SM 2340 B-2011	
			SM 3120 B-2011	
			SM 3125 B-2011	



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454
Contact Name: Drew Miller Phone: 805-354-7306

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Environmental ^F	Non-potable water	Organochlorine Pesticides & PCBs	EPA 608.3	various
		Volatile Organic Compounds	EPA 624.1	
			EPA 8260B	
		Semi-volatile Organic Compounds	EPA 625.1	
		Diesel-range Total Petroleum Hydrocarbons	EPA 8015B	0.05 mg/L
		Ethanol and Methanol		1 mg/L
		Gasoline-range Organics		50 ug/L
		Organochlorine Pesticides	EPA 8081A	various
		PCBs	EPA 8082	0.5 ug/L
		Oxygenates	EPA 8260B	various
		Extractable Organics	EPA 8270C	
		Cyanide	EPA 9014	0.04 mg/L
		Sulfides, Total	EPA 9034	2 mg/L
		Corrosivity - pH Determination	EPA 9040B	0.05 pH to 13.95 pH DL = 0.1 pH
		Anions	EPA 9056	0.4 mg/L
			EPA 300.0 (1993 Rev. 2.1)	
		Chemical Oxygen Demand	Hach 8000	20 mg/L
		Diesel-range Total Petroleum Hydrocarbons	LUFT	0.05 mg/L
		Total Petroleum Hydrocarbons - Gasoline		50 ug/L
		BTEX and MTBE	LUFT GC/MS	0.5 ug/L
		Diesel-range Total Petroleum Hydrocarbons		0.05 mg/L
		Total Petroleum Hydrocarbons - Gasoline		50 ug/L
		Color	SM 2120 B-2011	3 Color Units
		Turbidity	SM 2130 B-2011	0.1 NTU
			EPA 180.1 (1993 Rev. 2.0)	
		Alkalinity	SM 2320 B-2011	10 mg/L
		Hardness	SM 2340 C-2011	2 mg/L
		Specific Conductance	SM 2510 B-2011	2 $\mu\Omega$ s/cm



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454
Contact Name: Drew Miller Phone: 805-354-7306

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Environmental ^F	Non-potable water	Residue, Total	SM 2540 B-2011	10 mg/L
		Residue, Filterable (TDS)	SM 2540 C-2011	
		Residue, Non-filterable (TSS)	SM 2540 D-2011	
		Residue, Volatile	SM 2540 E-2011	
		Residue, Settleable	SM 2540 F-2011	0.1 mL/L
		Temperature	SM 2550 B-2010	NA
		Chromium (VI)	SM 3500-Cr B-2011	0.01 mg/L
			SM 3500-Cr C-2011	0.5 ug/L
		Iron	SM 3500-Fe B-2011	50 ug/L
		Anions	SM 4110 B-2011	0.4 mg/L
		Chlorine, Free Available	SM 4500-Cl G-2011	0.1 ppm
		Chlorine, Total Residual		
		Cyanide, Total	SM 4500-CN- E-2011	0.04 mg/L
		Cyanide, Available	SM 4500-CN- G-2011	0.02 mg/L
		Hydrogen Ion (pH)	SM 4500-H+ B-2011	0.05 pH to 13.95 pH DL = 0.1 pH
		Ammonia (as N)	SM 4500-NH3 D-2011	0.1 mg/L
		Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 D-2011	0.4 mg/L
			SM 4500-Norg C-2011	
		Oxygen, Dissolved	SM 4500-O G-2011	1 mg/L
		Phosphate, Ortho (as P)	SM 4500-P E-2011	0.025 mg/L
		Phosphorus, Total		
		Biochemical Oxygen Demand	SM 5210 B-2011	4 mg/L
		Carbonaceous BOD		
		Chemical Oxygen Demand	SM 5220 D-2011	20 mg/L
		Organic carbon-Total (TOC)	SM 5310 B-2011	0.5 mg/L
		TRPH	SM 5520 F-2011	5 mg/L
		Phenols, Total	SM 5530 D-2010	0.05 mg/L
		Surfactants	SM 5540 C-2011	



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454
Contact Name: Drew Miller Phone: 805-354-7306

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Environmental ^F	Oil	PCBs	EPA 8082	EPA 8082
	Solids	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II	CA STLC Limits
		Ignitability	EPA 1010	ambient to Haz limit
			EPA 1030	measurable range
		Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	TCLP Hazardous Limits
		n-Hexane Extractable Material (O&G)	EPA 1664A	100 mg/kg
		Non-Polar Extractable Material (TPH)	EPA 1664A (SGT-HEM)	
		Anions	EPA 300.0	5 mg/kg
		Total Phosphorus	EPA 365.3	2.5 mg/kg
		Metals	EPA 6010B	various
			EPA 6020	
		Chromium (VI)	EPA 7196A	2.5 mg/kg
			EPA 7199	0.3 mg/kg
		Mercury	EPA 7471A	0.1 mg/kg
		Diesel-range Total Petroleum Hydrocarbons	EPA 8015B	10 mg/kg
		Gasoline-range Organics	EPA 8015B	0.5 mg/kg
		Organochlorine Pesticides	EPA 8081A	various
		PCBs	EPA 8082	0.02 mg/kg
		Oxygenates	EPA 8260B	various
		Volatile Organic Compounds	EPA 8260B	
		Extractable Organics	EPA 8270C	
		PAHs	EPA 8270-SIM	0.005 mg/kg



Certificate of Accreditation: Supplement

Oilfield Environmental & Compliance, Inc. (OEC)

307 Roemer Way, Santa Maria, CA 93454
Contact Name: Drew Miller Phone: 805-354-7306

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Environmental ^F	Solids	Cyanide	EPA 9014	0.4 mg/kg
		Corrosivity - pH Determination	EPA 9045C	0.05 pH to 13.95 pH DL = 0.1 pH
		Anions	EPA 9056	5 mg/kg
		Diesel-range Total Petroleum Hydrocarbons	LUFT	10 mg/kg
		Total Petroleum Hydrocarbons - Gasoline		0.5 mg/kg
		BTEX and MTBE	LUFT GC/MS	0.5 mg/kg
		Diesel-range Total Petroleum Hydrocarbons		10 mg/kg
		Total Petroleum Hydrocarbons - Gasoline		0.5 mg/kg
		Reactive Cyanide	Section 7.3 SW-846	0.5 mg/kg
		Reactive Sulfide		40 mg/kg
		Anions	SM 4110B	5 mg/kg
	Solids and Chemical	96 Hour LC50	Polisini & Miller (CDFG 1988)	LC50 Haz/Non-Haz

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.