



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

ALS Environmental

2655 Park Center Drive, Suite A, Simi Valley, CA 93065

(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of ISO/IEC 17025:2017 “General Requirements for the competence of Testing and Calibration Laboratories” and the DoD Quality Systems Manual for Environmental Laboratories Version 5.3 January 2017 and is accredited in accordance with the:

United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP)

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):

***This accreditation demonstrates technical competence for the defined scope:
Environmental 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:

Initial Accreditation Date:

January 11, 2010

Issue Date:

March 26, 2020

Expiration Date:

May 31, 2022

Accreditation No:

65818

Certificate No:

L20-149

Tracy Szerszen
President/Operations Manager

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.pjllabs.com



Certificate of Accreditation: Supplement

ISO/IEC 17025:2017 and DoD-ELAP

ALS Environmental

2655 Park Center Drive, Suite A, Simi Valley, CA 93065
 Contact Name: Chaney Arend Phone: 805-526-7161

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

Matrix	Standard/Method	Technology	Analyte
Air	ASTM D 1946-90, VOA-EPA3C	GC/TCD	Carbon Monoxide
Air	ASTM D 1946-90, VOA-EPA3C	GC/TCD	Hydrogen
Air	EPA 3C, ASTM D 1946-90, VOA-EPA3C	GC/TCD	Carbon Dioxide
Air	EPA 3C, ASTM D 1946-90, VOA-EPA3C	GC/TCD	Methane
Air	EPA 3C, ASTM D 1946-90, VOA-EPA3C	GC/TCD	Nitrogen
Air	EPA 3C, ASTM D 1946-90, VOA-EPA3C	GC/TCD	Oxygen
Air	EPA TO-15, VOA-TO15	GC/MS	1,2,3-Trimethylbenzene
Air	EPA TO-15, VOA-TO15	GC/MS	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)
Air	EPA TO-15, VOA-TO15	GC/MS	1-Butanol
Air	EPA TO-15, VOA-TO15	GC/MS	2-Butanone (MEK)
Air	EPA TO-15, VOA-TO15	GC/MS	2-Hexanone
Air	EPA TO-15, VOA-TO15	GC/MS	3-Ethyltoluene
Air	EPA TO-15, VOA-TO15	GC/MS	4-Ethyltoluene
Air	EPA TO-15, VOA-TO15	GC/MS	4-Methyl-2-Pentanone
Air	EPA TO-15, VOA-TO15	GC/MS	Acetonitrile
Air	EPA TO-15, VOA-TO15	GC/MS	Acrylonitrile
Air	EPA TO-15, VOA-TO15	GC/MS	Allyl Chloride
Air	EPA TO-15, VOA-TO15	GC/MS	alpha-Methylstyrene
Air	EPA TO-15, VOA-TO15	GC/MS	alpha-Pinene
Air	EPA TO-15, VOA-TO15	GC/MS	Benzyl Chloride
Air	EPA TO-15, VOA-TO15	GC/MS	Bromoform
Air	EPA TO-15, VOA-TO15	GC/MS	Carbon Disulfide
Air	EPA TO-15, VOA-TO15	GC/MS	Cumene
Air	EPA TO-15, VOA-TO15	GC/MS	Cyclohexane
Air	EPA TO-15, VOA-TO15	GC/MS	Cyclohexanone
Air	EPA TO-15, VOA-TO15	GC/MS	Diisopropyl Ether
Air	EPA TO-15, VOA-TO15	GC/MS	d-Limonene
Air	EPA TO-15, VOA-TO15	GC/MS	Ethanol
Air	EPA TO-15, VOA-TO15	GC/MS	Ethyl Acetate
Air	EPA TO-15, VOA-TO15	GC/MS	Ethyl tert-Butyl Ether
Air	EPA TO-15, VOA-TO15	GC/MS	Isooctane
Air	EPA TO-15, VOA-TO15	GC/MS	Isopropyl acetate
Air	EPA TO-15, VOA-TO15	GC/MS	Isopropyl Alcohol
Air	EPA TO-15, VOA-TO15	GC/MS	Methyl Methacrylate
Air	EPA TO-15, VOA-TO15	GC/MS	n-Butyl Acetate
Air	EPA TO-15, VOA-TO15	GC/MS	n-Butylbenzene



Certificate of Accreditation: Supplement

ISO/IEC 17025:2017 and DoD-ELAP

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

Matrix	Standard/Method	Technology	Analyte
Air	EPA TO-15, VOA-TO15	GC/MS	n-Decane
Air	EPA TO-15, VOA-TO15	GC/MS	n-Dodecane
Air	EPA TO-15, VOA-TO15	GC/MS	n-Heptane
Air	EPA TO-15, VOA-TO15	GC/MS	n-Hexane
Air	EPA TO-15, VOA-TO15	GC/MS	n-Nonane
Air	EPA TO-15, VOA-TO15	GC/MS	sec-Butylbenzene
Air	EPA TO-15, VOA-TO15	GC/MS	tert-Amyl Methyl Ether
Air	EPA TO-15, VOA-TO15	GC/MS	tert-Butanol
Air	EPA TO-15, VOA-TO15	GC/MS	2-Ethyltoluene
Air	EPA TO-15, VOA-TO15	GC/MS	n-Octane
Air	EPA TO-15, VOA-TO15	GC/MS	n-Propylbenzene
Air	EPA TO-15, VOA-TO15	GC/MS	n-Undecane
Air	EPA TO-15, VOA-TO15	GC/MS	p-Isopropyltoluene
Air	EPA TO-15, VOA-TO15	GC/MS	Propene
Air	EPA TO-15, VOA-TO15	GC/MS	tert-Butylbenzene
Air	EPA TO-15, VOA-TO15	GC/MS	Tetrahydrofuran
Air	EPA TO-15, VOA-TO15	GC/MS	Vinyl Acetate
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,1,1-Trichloroethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,1,2,2-Tetrachloroethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,1,2-Trichloroethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,1-Dichloroethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,1-Dichloroethene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,2,4-Trichlorobenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,2,4-Trimethylbenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,2-Dibromo-3-Chloropropane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,2-Dibromoethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,2-Dichlorobenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,2-Dichloroethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,2-Dichloropropane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,3,5-Trimethylbenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,3-Butadiene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,3-Dichlorobenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,4-Dichlorobenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	1,4-Dioxane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Acetone
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Acrolein



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Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Benzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Bromodichloromethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Bromomethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Carbon Tetrachloride
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Chlorobenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Chloroethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Chloroform
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Chloromethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	cis-1,2-Dichloroethene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	cis-1,3-Dichloropropene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Dibromochloromethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Dichlorodifluoromethane (CFC 12)
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Ethylbenzene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Hexachlorobutadiene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	m- & p-Xylenes
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Methyl tert-Butyl Ether
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Methylene Chloride
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Naphthalene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	o-Xylene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Tetrachloroethene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	trans-1,3-Dichloropropene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Trichlorotrifluoroethane
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Vinyl Chloride
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Styrene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Toluene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	trans-1,2-Dichloroethene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Trichloroethene
Air	EPA TO-15, EPA TO-15SIM, VOA-TO15	GC/MS	Trichlorofluoromethane
Air	VOA-TO17/EPA TO-17	GC/MS	1,1,1-Trichloroethane
Air	VOA-TO17/EPA TO-17	GC/MS	1,1,2,2-Tetrachloroethane
Air	VOA-TO17/EPA TO-17	GC/MS	1,1,2-Trichloroethane
Air	VOA-TO17/EPA TO-17	GC/MS	1,1-Dichloroethane
Air	VOA-TO17/EPA TO-17	GC/MS	1,1-Dichloroethene
Air	VOA-TO17/EPA TO-17	GC/MS	1,2,4-Trichlorobenzene
Air	VOA-TO17/EPA TO-17	GC/MS	1,2,4-Trimethylbenzene
Air	VOA-TO17/EPA TO-17	GC/MS	1,2-Dibromo-3-chloropropane



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Matrix	Standard/Method	Technology	Analyte
Air	VOA-TO17/EPA TO-17	GC/MS	1,2-Dibromoethane
Air	VOA-TO17/EPA TO-17	GC/MS	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)
Air	VOA-TO17/EPA TO-17	GC/MS	1,2-Dichlorobenzene
Air	VOA-TO17/EPA TO-17	GC/MS	1,2-Dichloroethane
Air	VOA-TO17/EPA TO-17	GC/MS	1,2-Dichloropropane
Air	VOA-TO17/EPA TO-17	GC/MS	1,3,5-Trimethylbenzene
Air	VOA-TO17/EPA TO-17	GC/MS	1,3-Butadiene
Air	VOA-TO17/EPA TO-17	GC/MS	1,3-Dichlorobenzene
Air	VOA-TO17/EPA TO-17	GC/MS	1,4-Dichlorobenzene
Air	VOA-TO17/EPA TO-17	GC/MS	1,4-Dioxane
Air	VOA-TO17/EPA TO-17	GC/MS	2,2,4-Trimethylpentane (Isooctane)
Air	VOA-TO17/EPA TO-17	GC/MS	2-Butanone (MEK)
Air	VOA-TO17/EPA TO-17	GC/MS	2-Hexanone
Air	VOA-TO17/EPA TO-17	GC/MS	2-Propanol (Isopropyl Alcohol)
Air	VOA-TO17/EPA TO-17	GC/MS	4-Methyl-2-pentanone
Air	VOA-TO17/EPA TO-17	GC/MS	Acetone
Air	VOA-TO17/EPA TO-17	GC/MS	Acetonitrile
Air	VOA-TO17/EPA TO-17	GC/MS	Benzene
Air	VOA-TO17/EPA TO-17	GC/MS	Bromodichloromethane
Air	VOA-TO17/EPA TO-17	GC/MS	Bromoform
Air	VOA-TO17/EPA TO-17	GC/MS	Carbon Disulfide
Air	VOA-TO17/EPA TO-17	GC/MS	Carbon Tetrachloride
Air	VOA-TO17/EPA TO-17	GC/MS	Chlorobenzene
Air	VOA-TO17/EPA TO-17	GC/MS	Chloroethane
Air	VOA-TO17/EPA TO-17	GC/MS	Chloroform
Air	VOA-TO17/EPA TO-17	GC/MS	Chloromethane
Air	VOA-TO17/EPA TO-17	GC/MS	cis-1,2-Dichloroethene
Air	VOA-TO17/EPA TO-17	GC/MS	cis-1,3-Dichloropropene
Air	VOA-TO17/EPA TO-17	GC/MS	Cumene
Air	VOA-TO17/EPA TO-17	GC/MS	Cyclohexane
Air	VOA-TO17/EPA TO-17	GC/MS	Dibromochloromethane
Air	VOA-TO17/EPA TO-17	GC/MS	Dichlorodifluoromethane (CFC 12)
Air	VOA-TO17/EPA TO-17	GC/MS	Ethanol
Air	VOA-TO17/EPA TO-17	GC/MS	Ethylbenzene
Air	VOA-TO17/EPA TO-17	GC/MS	Hexachlorobutadiene
Air	VOA-TO17/EPA TO-17	GC/MS	m,p-Xylenes



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

Matrix	Standard/Method	Technology	Analyte
Air	VOA-TO17/EPA TO-17	GC/MS	Methyl tert-Butyl Ether
Air	VOA-TO17/EPA TO-17	GC/MS	Methylene Chloride
Air	VOA-TO17/EPA TO-17	GC/MS	Naphthalene
Air	VOA-TO17/EPA TO-17	GC/MS	n-Heptane
Air	VOA-TO17/EPA TO-17	GC/MS	n-Hexane
Air	VOA-TO17/EPA TO-17	GC/MS	n-Octane
Air	VOA-TO17/EPA TO-17	GC/MS	o-Xylene
Air	VOA-TO17/EPA TO-17	GC/MS	Styrene
Air	VOA-TO17/EPA TO-17	GC/MS	Tetrachloroethene
Air	VOA-TO17/EPA TO-17	GC/MS	Tetrahydrofuran (THF)
Air	VOA-TO17/EPA TO-17	GC/MS	Toluene
Air	VOA-TO17/EPA TO-17	GC/MS	trans-1,2-Dichloroethene
Air	VOA-TO17/EPA TO-17	GC/MS	trans-1,3-Dichloropropene
Air	VOA-TO17/EPA TO-17	GC/MS	Trichloroethene
Air	VOA-TO17/EPA TO-17	GC/MS	Trichlorofluoromethane
Air	VOA-TO17/EPA TO-17	GC/MS	Trichlorotrifluoroethane
Air	VOA-TO17/EPA TO-17	GC/MS	Vinyl Chloride
Air	VOA-TO3C1C6	GC/FID	C1 - C6+
Air	VOA-TO3C1C6	GC/FID	Ethane
Air	VOA-TO3C1C6	GC/FID	Methane
Air	VOA-TO3C1C6	GC/FID	n-Butane
Air	VOA-TO3C1C6	GC/FID	n-Hexane
Air	VOA-TO3C1C6	GC/FID	n-Pentane
Air	VOA-TO3C1C6	GC/FID	Propane
Air	VOA-TO3C1C6	GC/FID	Total Volatile Petroleum Hydrocarbons (TVPH) as Hexane
Air	VOA-TPHG_TO3	GC/FID	Total Petroleum Hydrocarbons Gasoline (TPHG)
Aqueous	RSK 175	GC/TCD	Carbon Dioxide
Aqueous	RSK 175	GC/FID	Ethane
Aqueous	RSK 175	GC/FID	Ethene
Aqueous	RSK 175	GC/FID	Methane