

OREGON

Environmental Laboratory Accreditation Program



**ALS Environmental - Simi Valley
4068**

NELAP Recognized

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

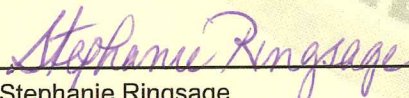
IS GRANTED APPROVAL BY ORELAP UNDER THE 2009 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

<i>Air</i>	<i>Drinking Water</i>	<i>Non Potable Water</i>	<i>Solids and Chem. Waste</i>	<i>Tissue</i>
Chemistry		Chemistry		

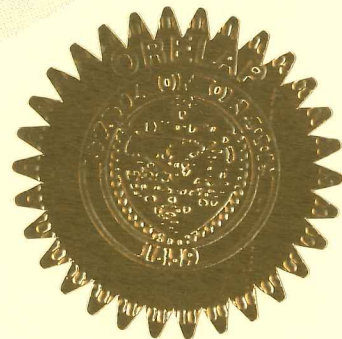
AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.


 Stephanie Ringsage
 Oregon State Public Health Laboratory
 ORELAP Program Manager
 7202 NE Evergreen Parkway, Suite 100
 Hillsboro, OR 97124

EFFECTIVE DATE : 02/16/2020
 EXPIRATION DATE : 02/15/2021
 Certificate No : 4068 - 007





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Environmental Laboratory Accreditation Program



ORELAP Fields of Accreditation

ORELAP ID: 4068

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EPA CODE: CA01627

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MATRIX	Reference	Code	Analyte	Code	Description
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Air

	ASTM C471M-14 (GC/MS or GC/ECD) ASTM C471M-14 (GC/MS or GC/ECD)	3964	Orthorhombic Cyclooctasulfur	30002256	Gypsum and Gypsum Products
	ASTM D5504-12 2012			30032270	Sulfur Compounds in Natural Gas and Gaseous Fuels by GC and Chemiluminescence
		4842	1-Propanethiol		
		6113	2,5-Dimethylthiophene		
		4544	2-Ethylthiophene		
		4843	2-Propanethiol		
		5783	3-Methylthiophene		
		4450	Carbon disulfide		
		7215	Carbonyl sulfide		
		6078	Diethyl Disulfide		
		6081	Diethyl Sulfide		
		4729	Dimethyl disulfide		
		6116	Dimethyl Sulfide		
		7506	Ethanethiol		
		3840	Hydrogen sulfide		
		3725	i-Butanethiol		
		7507	Methanethiol		
		7509	Methyl ethyl sulfide		
		9508	n-Butanethiol		
		9556	t-Butanethiol		
		9574	Tetrahydrothiophene		
		9578	Thiophene		
	EPA 325B 2013			10277437	Sorbent Tubes Coupled with Thermal Desorption and GC/MS
		4375	Benzene		
		4765	Ethylbenzene		
		5240	m+p-xylene		
		5250	o-Xylene		
		5140	Toluene		
	EPA TO-15			10248803	VOCs collected in Canisters by GC/MS
		5160	1,1,1-Trichloroethane		
		5110	1,1,2,2-Tetrachloroethane		
		5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		
		5165	1,1,2-Trichloroethane		



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Air	EPA TO-15	4630	1,1-Dichloroethane
		4640	1,1-Dichloroethylene
		5182	1,2,3-Trimethylbenzene
		5155	1,2,4-Trichlorobenzene
		5210	1,2,4-Trimethylbenzene
		4570	1,2-Dibromo-3-chloropropane (DBCP)
		4585	1,2-Dibromoethane (EDB, Ethylene dibromide)
		4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)
		4610	1,2-Dichlorobenzene
		4635	1,2-Dichloroethane (Ethylene dichloride)
		4655	1,2-Dichloropropane
		5215	1,3,5-Trimethylbenzene
		9318	1,3-Butadiene
		4615	1,3-Dichlorobenzene
		4620	1,4-Dichlorobenzene
		4735	1,4-Dioxane (1,4-Diethyleneoxide)
		4836	1-Propene (Propylene)
		5220	2,2,4-Trimethylpentane
		4410	2-Butanone (Methyl ethyl ketone, MEK)
		4538	2-Ethyltoluene
		4860	2-Hexanone (MBK)
		4531	3-Ethyltoluene (1-Methyl-3-ethylbenzene)
		4542	4-Ethyltoluene
		4910	4-Isopropyltoluene (p-Cymene)
		4995	4-Methyl-2-pentanone (MIBK)
		4315	Acetone
		4320	Acetonitrile
		4325	Acrolein (Propenal)
		4340	Acrylonitrile
		4355	Allyl chloride (3-Chloropropene)
		4357	alpha-Methylstyrene
		6698	alpha-Pinene
		4375	Benzene
		5635	Benzyl chloride
		4385	Bromobenzene
		4395	Bromodichloromethane
		4400	Bromoform
		4403	Butyl acetate
		4450	Carbon disulfide
		4455	Carbon tetrachloride
		4475	Chlorobenzene



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Air	EPA TO-15		
		4575	Chlorodibromomethane
		4485	Chloroethane (Ethyl chloride)
		4505	Chloroform
		4645	cis-1,2-Dichloroethylene
		4680	cis-1,3-Dichloropropene
		4555	Cyclohexane
		4560	Cyclohexanone
		4625	Dichlorodifluoromethane (Freon-12)
		9375	Di-isopropylether (DIPE)
		6208	d-Limonene
		4750	Ethanol
		4755	Ethyl acetate
		4765	Ethylbenzene
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)
		4835	Hexachlorobutadiene
		4890	Isopropyl acetate
		4895	Isopropyl alcohol (2-Propanol, Isopropanol)
		4900	Isopropylbenzene (Cumene)
		5240	m+p-xylene
		4950	Methyl bromide (Bromomethane)
		4960	Methyl chloride (Chloromethane)
		4990	Methyl methacrylate
		5000	Methyl tert-butyl ether (MTBE)
		4975	Methylene chloride (Dichloromethane)
		5005	Naphthalene
		4425	n-Butyl alcohol (1-Butanol, n-Butanol)
		4435	n-Butylbenzene
		5875	n-Decane
		6235	n-Dodecane
		4825	n-Heptane
		4855	n-Hexane
		5026	n-Nonane
		5027	n-Octane
		5090	n-Propylbenzene
		6747	n-Undecane
		5250	o-Xylene
		4440	sec-Butylbenzene
		5100	Styrene
		4370	T-amylmethylether (TAME)
		4420	tert-Butyl alcohol
		4445	tert-Butylbenzene
		5115	Tetrachloroethylene (Perchloroethylene)



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		5140	Toluene
		4700	trans-1,2-Dichloroethylene
		4685	trans-1,3-Dichloropropylene
		5170	Trichloroethene (Trichloroethylene)
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)
		5225	Vinyl acetate
		5235	Vinyl chloride
		5260	Xylene (total)
	EPA TO-17	10312206	Determination of Volatile Organic Compounds in Ambient Air Using Active Sampling Onto Sorbent Tubes
		5160	1,1,1-Trichloroethane
		5110	1,1,1,2-Tetrachloroethane
		5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
		5165	1,1,2-Trichloroethane
		4630	1,1-Dichloroethane
		4640	1,1-Dichloroethylene
		5155	1,2,4-Trichlorobenzene
		5210	1,2,4-Trimethylbenzene
		4570	1,2-Dibromo-3-chloropropane (DBCP)
		4585	1,2-Dibromoethane (EDB, Ethylene dibromide)
		4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)
		4610	1,2-Dichlorobenzene
		4635	1,2-Dichloroethane (Ethylene dichloride)
		4655	1,2-Dichloropropane
		5215	1,3,5-Trimethylbenzene
		9318	1,3-Butadiene
		4615	1,3-Dichlorobenzene
		4620	1,4-Dichlorobenzene
		4735	1,4-Dioxane (1,4- Diethyleneoxide)
		5220	2,2,4-Trimethylpentane
		4410	2-Butanone (Methyl ethyl ketone, MEK)
		4860	2-Hexanone (MBK)
		4995	4-Methyl-2-pentanone (MIBK)
		4315	Acetone
		4320	Acetonitrile
		4375	Benzene
		4395	Bromodichloromethane
		4400	Bromoform
		4450	Carbon disulfide



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		4455	Carbon tetrachloride	
		4475	Chlorobenzene	
		4575	Chlorodibromomethane	
		4485	Chloroethane (Ethyl chloride)	
		4505	Chloroform	
		4645	cis-1,2-Dichloroethylene	
		4680	cis-1,3-Dichloropropene	
		4555	Cyclohexane	
		4625	Dichlorodifluoromethane (Freon-12)	
		4750	Ethanol	
		4765	Ethylbenzene	
		4835	Hexachlorobutadiene	
		4895	Isopropyl alcohol (2-Propanol, Isopropanol)	
		4900	Isopropylbenzene (Cumene)	
		5240	m+p-xylene	
		4960	Methyl chloride (Chloromethane)	
		5000	Methyl tert-butyl ether (MTBE)	
		4975	Methylene chloride (Dichloromethane)	
		5005	Naphthalene	
		4825	n-Heptane	
		4855	n-Hexane	
		5027	n-Octane	
		5250	o-Xylene	
		5100	Styrene	
		5115	Tetrachloroethylene (Perchloroethylene)	
		5120	Tetrahydrofuran (THF)	
		5140	Toluene	
		4700	trans-1,2-Dichloroethylene	
		4685	trans-1,3-Dichloropropylene	
		5170	Trichloroethene (Trichloroethylene)	
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	
		5235	Vinyl chloride	
		5260	Xylene (total)	
	MADEP APH			90017188 Air-Phase Petroleum Hydrocarbons
		9318	1,3-Butadiene	
		3792	APH Aliphatics C5-C8	
		3793	APH Aliphatics C9-C12	
		3794	APH Aromatics C9-C10	
		4375	Benzene	
		4765	Ethylbenzene	
		5240	m+p-xylene	
		5000	Methyl tert-butyl ether (MTBE)	



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Air	MADEP APH	5005	Naphthalene	
		5250	o-Xylene	
		5140	Toluene	

Non-Potable Water	EPA RSK-175 (GC-FID)			10212905	Methane, Ethane, and Ethene in water by Headspace GC/FID
		4747	Ethane		
		4752	Ethene		
		4926	Methane		

EPA RSK-175 (GC-TCD)				10212858	Fixed Gases in water by Headspace GC/TCD
	3755	Carbon dioxide			

