



STATE OF LOUISIANA
DEPARTMENT OF HEALTH AND HOSPITALS
OFFICE OF PUBLIC HEALTH
LABORATORY SERVICES



COLUMBIA ANALYTICAL SERVICES, INC.
KELSO, WA

1317 South 13th Street


Kelso, WA 98626

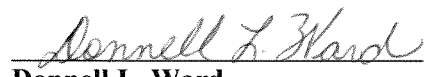
is accredited by the State of Louisiana in accordance with the TNI
NELAP and Department of Health and Hospitals regulations

Scope of accreditation is limited to the
"TNI NELAP Accredited Fields of Testing"
which accompany this certificate

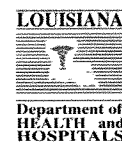
Continued accredited status depends on successful
ongoing participation in the program

CERTIFICATE NUMBER: LA120007
EFFECTIVE DATE: January 1, 2012
EXPIRATION DATE: December 31, 2012


Stephen J. Martin, Ph.D, D(ABMLI)
Public Health Laboratory Director
3101 West Napoleon Avenue
Metairie, Louisiana 70001


Donnell L. Ward
Laboratory Certification Program
Manager

subject to forfeiture or revocation



LOUISIANA ACCREDITATION – 2012

COLUMBIA ANALYTICAL SERVICES, INC.-KELSO, WA – meets all the criteria necessary for **ACCREDITATION** by the State of Louisiana & TNI NELAP for the analysis of the drinking water for the following contaminants:

Inorganic Parameters - Drinking Water

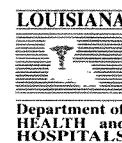
Analyte	Method	Method Revision # or date	Technology Description	TNI Method Code	TNI Analyte Code
Alkalinity as CaCO ₃	SM 2320B	20th ed.	TITR	20045209	1505
Aluminum	EPA 200.7	rev 4.4	ICP-AES	10013806	1000
Aluminum	EPA 200.8	rev 5.4	ICP-MS	10014605	1000
Antimony	EPA 200.8	rev 5.4	ICP-MS	10014605	1005
Arsenic	EPA 200.8	rev 5.4	ICP-MS	10014605	1010
Arsenic	EPA 200.9	rev 2.2	GFAAS	10015404	1010
Barium	EPA 200.8	rev 5.4	ICP-MS	10014605	1015
Beryllium	EPA 200.8	rev 5.4	ICP-MS	10014605	1020
Boron	EPA 200.7	rev 4.4	ICP-AES	10013806	1025
Bromate	EPA 300.1	rev 1.0	IC-COND	10053608	1535
Bromide	EPA 300.1	rev 1.0	IC-COND	10053608	1540
Cadmium	EPA 200.8	rev 5.4	ICP-MS	10014605	1030
Calcium	EPA 200.7	rev 4.4	ICP-AES	10013806	1035
Chlorate	EPA 300.1	rev 1.0	IC-COND	10053608	1570
Chloride	EPA 300.0	rev 2.1	IC-COND	10053200	1575
Chlorite	EPA 300.1	rev 1.0	IC-COND	10053608	1595
Chromium	EPA 200.8	rev 5.4	ICP-MS	10014605	1040
Color	SM 2120B	20th ed.	OTHER	20224004	1605
Conductivity	SM 2510B	20th ed.	COND	20048208	1610
Copper	EPA 200.8	rev 5.4	ICP-MS	10014605	1055
Cyanide	EPA 335.4	rev 1.0	AUTO	10061402	1635
Fluoride	EPA 300.0	rev 2.1	IC-COND	10053200	1730

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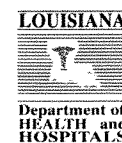
Analyte	Method	Method Revision # or date	Technology Description	TNI Method Code	TNI Analyte Code
Fluoride	SM 4500-F ⁻ C	20th ed.	ISE	20102005	1730
Hardness as CaCO ₃ (calcium)	EPA 200.7	rev 4.4	ICP-AES	10013806	1550
Iron	EPA 200.7	rev 4.4	ICP-AES	10013806	1070
Lead	EPA 200.8	rev 5.4	ICP-MS	10014605	1075
Magnesium	EPA 200.7	rev 4.4	ICP-AES	10013806	1085
Manganese	EPA 200.7	rev 4.4	ICP-AES	10013806	1090
Manganese	EPA 200.8	rev 5.4	ICP-MS	10014605	1090
Mercury	EPA 245.1	rev 3.0	CVAAS	10036609	1095
Molybdenum	EPA 200.7	rev 4.4	ICP-AES	10013806	1100
Nickel	EPA 200.8	rev 5.4	ICP-MS	10014605	1105
Nitrate as N	EPA 300.0	rev 2.1	IC-COND	10053200	1810
Nitrate-Nitrite as N	EPA 300.0	rev 2.1	IC-COND	10053200	1820
Nitrite as N	EPA 300.0	rev 2.1	IC-COND	10053200	1840
Orthophosphate as P	SM 4500-P E	20th ed.	UV-VIS	20123802	1870
Perchlorate	EPA 314.0	rev 1.0	IC-COND	10277006	1895
pH	SM 4500-H ⁺ B	20th ed.	ISE	20104807	1900
Potassium	EPA 200.7	rev 4.4	ICP-AES	10013806	1125
Residue-Filterable (TDS)	SM 2540C	20th ed.	GRAV	20050004	1955
Selenium	EPA 200.8	rev 5.4	ICP-MS	10014605	1140
Selenium	EPA 200.9	rev 2.2	GFAAS	10015404	1140
Silica as SiO ₂	EPA 200.7	rev 4.4	ICP-AES	10013806	1990
Silver	EPA 200.7	rev 4.4	ICP-AES	10013806	1150
Silver	EPA 200.8	rev 5.4	ICP-MS	10014605	1150
Sodium	EPA 200.7	rev 4.4	ICP-AES	10013806	1155

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Inorganic Parameters - Drinking Water

Analyte	Method	Method Revision # or date	Technology Description	TNI Method Code	TNI Analyte Code
Sulfate	EPA 300.0	rev 2.1	IC-COND	10053200	2000
Total Organic Carbon (TOC)	SM 5310C	20th ed.	TOC-FID	20138403	2040
Turbidity	EPA 180.1	rev 2.0	TURB	10011800	2055
Vanadium	EPA 200.7	rev 4.4	ICP-AES	10013806	1185
Zinc	EPA 200.7	rev 4.4	ICP-AES	10013806	1190

Organic Parameters - Drinking Water

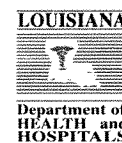
Analyte	Method	Method Revision # or date	Technology Description	TNI Method Code	TNI Analyte Code
1,1,1,2-Tetrachloroethane	EPA 524.2	rev 4.1	GC-MS	10088809	5105
1,1,1-Trichloroethane	EPA 524.2	rev 4.1	GC-MS	10088809	5160
1,1,2,2-Tetrachloroethane	EPA 524.2	rev 4.1	GC-MS	10088809	5110
1,1,2-Trichloroethane	EPA 524.2	rev 4.1	GC-MS	10088809	5165
1,1-Dichloroethane	EPA 524.2	rev 4.1	GC-MS	10088809	4630
1,1-Dichloroethylene	EPA 524.2	rev 4.1	GC-MS	10088809	4640
1,1-Dichloropropene	EPA 524.2	rev 4.1	GC-MS	10088809	4670
1,2,3-Trichlorobenzene	EPA 524.2	rev 4.1	GC-MS	10088809	5150
1,2,3-Trichloropropane	EPA 504.1	rev 1.1	GC-ECD	10082801	5180
1,2,3-Trichloropropane	EPA 524.2	rev 4.1	GC-MS	10088809	5180
1,2,4-Trichlorobenzene	EPA 524.2	rev 4.1	GC-MS	10088809	5155
1,2,4-Trimethylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	5210
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	rev 1.1	GC-ECD	10082801	4570
1,2-Dibromoethane (EDB)	EPA 504.1	rev 1.1	GC-ECD	10082801	4585

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Analyte	Method	Method Revision # or date	Technology Description	TNI Method Code	TNI Analyte Code
1,2-Dichlorobenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4610
1,2-Dichloroethane	EPA 524.2	rev 4.1	GC-MS	10088809	4635
1,2-Dichloropropane	EPA 524.2	rev 4.1	GC-MS	10088809	4655
1,3,5-Trimethylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	5215
1,3-Dichlorobenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4615
1,3-Dichloropropane	EPA 524.2	rev 4.1	GC-MS	10088809	4660
1,4-Dichlorobenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4620
2,2-Dichloropropane	EPA 524.2	rev 4.1	GC-MS	10088809	4665
2,4-D	EPA 515.4	rev 1.0	GC-ECD	10088503	8545
3-Hydroxycarbofuran	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7710
4-Chlorotoluene	EPA 524.2	rev 4.1	GC-MS	10088809	4540
4-Isopropyltoluene	EPA 524.2	rev 4.1	GC-MS	10088809	4910
Alachlor	EPA 525.2	rev 2.0	GC-MS	10090003	7005
Aldicarb	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7010
Aldicarb Sulfone	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7015
Aldicarb Sulfoxide	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7020
Aldrin	EPA 508.1	rev 2.0	GC-ECD	10086405	7025
Atrazine	EPA 525.2	rev 2.0	GC-MS	10090003	7065
Benzene	EPA 524.2	rev 4.1	GC-MS	10088809	4375
Benzo(a)pyrene (PAHs)	EPA 525.2	rev 2.0	GC-MS	10090003	5580
Bis(2-ethylhexyl) phthalate	EPA 525.2	rev 2.0	GC-MS	10090003	6065
Bromoacetic Acid	EPA 552.2	rev 1.0	GC-ECD	10095804	9312
Bromobenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4385
Bromochloromethane	EPA 524.2	rev 4.1	GC-MS	10088809	4390

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Analyte	Method	Method Revision # or date	Technology Description	TNI Method Code	TNI Analyte Code
Bromodichloromethane	EPA 524.2	rev 4.1	GC-MS	10088809	4395
Bromoform	EPA 524.2	rev 4.1	GC-MS	10088809	4400
Butachlor	EPA 525.2	rev 2.0	GC-MS	10090003	7160
Carbaryl	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7195
Carbofuran	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7205
Carbon Tetrachloride	EPA 524.2	rev 4.1	GC-MS	10088809	4455
Chlordane (tech.)	EPA 508.1	rev 2.0	GC-ECD	10086405	7250
Chlorobenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4475
Chloroethane	EPA 524.2	rev 4.1	GC-MS	10088809	4485
Chloroform	EPA 524.2	rev 4.1	GC-MS	10088809	4505
cis-1,2-Dichloroethylene	EPA 524.2	rev 4.1	GC-MS	10088809	4645
Dalapon	EPA 515.4	rev 1.0	GC-ECD	10088503	8555
Di(2-ethylhexyl) Adipate	EPA 525.2	rev 1.0	GC-MS	10090003	6062
Dibromoacetic Acid	EPA 552.2	rev 1.0	GC-ECD	10095804	9357
Dibromochloromethane	EPA 524.2	rev 4.1	GC-MS	10088809	4575
Dibromomethane	EPA 524.2	rev 4.1	GC-MS	10088809	4595
Dicamba	EPA 515.4	rev 1.0	GC-ECD	10088503	8595
Dichloroacetic Acid	EPA 552.2	rev 1.0	GC-ECD	10095804	9360
Dichlorodifluoromethane	EPA 524.2	rev 4.1	GC-MS	10088809	4625
Dichloromethane	EPA 524.2	rev 4.1	GC-MS	10088809	4975
Dieldrin	EPA 508.1	rev 2.0	GC-ECD	10086405	7470
Dinoseb	EPA 515.4	rev 1.0	GC-ECD	10088503	8620
Diquat	EPA 549.2	rev 1.0	HPLC-UV	10093400	9390
Endothall	EPA 548.1	rev 1.0	GC-MS	10092805	7525

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Endrin	EPA 508.1	rev 2.0	GC-ECD	10086405	7540
Ethylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4765
gamma-BHC (Lindane)	EPA 508.1	rev 2.0	GC-ECD	10086405	7120
Glyphosate	EPA 547	1990	HPLC-FLUOR	10092009	9411
Heptachlor	EPA 508.1	rev 2.0	GC-ECD	10086405	7685
Heptachlor Epoxide	EPA 508.1	rev 2.0	GC-ECD	10086405	7690
Hexachlorobenzene	EPA 525.2	rev 2.0	GC-MS	10090003	6275
Hexachlorocyclopentadiene	EPA 525.2	rev 2.0	GC-MS	10090003	6285
Isopropylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4900
Methiocarb	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7800
Methomyl	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7805
Methoxychlor	EPA 508.1	rev 2.0	GC-ECD	10086405	7810
Methyl Bromide (Bromomethane)	EPA 524.2	rev 4.1	GC-MS	10088809	4950
Methyl Chloride (Chloromethane)	EPA 524.2	rev 4.1	GC-MS	10088809	4960
Methyl tert-butyl Ether (MTBE)	EPA 524.2	rev 4.1	GC-MS	10088809	5000
Metolachlor	EPA 525.2	rev 2.0	GC-MS	10090003	7835
Metribuzin	EPA 525.2	rev 2.0	GC-MS	10090003	7845
Molinate	EPA 525.2	rev 2.0	GC-MS	10090003	7875
Naphthalene	EPA 524.2	rev 4.1	GC-MS	10088809	5005
n-Butylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4435
n-Propylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	5090
Oxamyl	EPA 531.1	rev 3.1	HPLC-FLUOR	10091006	7940
PCBs as Aroclors (screen)	EPA 508.1	rev 2.0	GC-ECD	10086405	8872
Pentachlorophenol	EPA 515.4	rev 1.0	GC-ECD	10088503	6605

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Picloram	EPA 515.4	rev 1.0	GC-ECD	10088503	8645
Propachlor	EPA 525.2	rev 2.0	GC-MS	10090003	8045
sec-Butylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4440
Silvex (2,4,5-TP)	EPA 515.4	rev 1.0	GC-ECD	10088503	8650
Simazine	EPA 525.2	rev 2.0	GC-MS	10090003	8125
Styrene	EPA 524.2	rev 4.1	GC-MS	10088809	5100
tert-Butylbenzene	EPA 524.2	rev 4.1	GC-MS	10088809	4445
Tetrachloroethylene	EPA 524.2	rev 4.1	GC-MS	10088809	5115
Toluene	EPA 524.2	rev 4.1	GC-MS	10088809	5140
Total Haloacetic Acids (HAA5)	EPA 552.2	rev 1.0	GC-ECD	10095804	9414
Toxaphene	EPA 508.1	rev 2.0	GC-ECD	10086405	8250
trans-1,2-Dichloroethylene	EPA 524.2	rev 4.1	GC-MS	10088809	4700
trans-1,3-Dichloropropene	EPA 524.2	rev 4.1	GC-MS	10088809	4685
Trichloroacetic Acid	EPA 552.2	rev 1.0	GC-ECD	10095804	9642
Trichloroethylene	EPA 524.2	rev 4.1	GC-MS	10088809	5170
Vinyl Chloride	EPA 524.2	rev 4.1	GC-MS	10088809	5235
Xylenes (total)	EPA 524.2	rev 4.1	GC-MS	10088809	5260

The State of Oregon is the primary NELAP Accreditation Body for Columbia Analytical Services, Inc. – Kelso, WA and the Louisiana Department of Health & Hospitals is a secondary Accreditation Body for this laboratory. For a list of additional parameters, refer to the State of Oregon Certificate Number WA100010-003.

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