



Kansas Department of Health and Environment

LABORATORY CERTIFICATE

for

Utah Public Health Laboratory

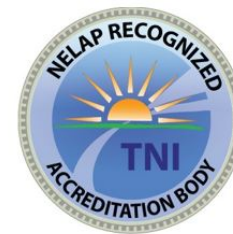
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CONDITIONS OF ACCREDITATION

This laboratory has been accredited in accordance with K.S.A. 65-1,109a under the standards adopted in K.A.R. 28-15-35 – K.A.R. 28-15-37 and has conformed with the 2003 TNI Standard. The Scope of Accreditation is limited to the State of Kansas accredited fields that accompany this Certificate. Continuous accreditation depends on successful, ongoing participation in the accreditation program.

A handwritten signature in black ink, reading "SASakallah".

Dr. Sameer Sakallah
Lab Director
Office of Laboratory Services

A handwritten signature in black ink, reading "Carissa Robertson".

Carissa Robertson
Certification Section Chief
Office of Laboratory Services

Fields of Accreditation

Matrix	Method	Method Code	Analyte	Analyte Code	Primary AB
DW	EPA 150.1 (1982)	10008409	pH	1900	KS
DW	EPA 180.1 (2, 1993)	10011800	Turbidity	2055	KS
DW	EPA 200.7 (4.4, 1994)	10013806	Boron	1025	KS
DW	EPA 200.7 (4.4, 1994)	10013806	Calcium	1035	KS
DW	EPA 200.7 (4.4, 1994)	10013806	Iron	1070	KS
DW	EPA 200.7 (4.4, 1994)	10013806	Magnesium	1085	KS
DW	EPA 200.7 (4.4, 1994)	10013806	Potassium	1125	KS
DW	EPA 200.7 (4.4, 1994)	10013806	Sodium	1155	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Aluminum	1000	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Antimony	1005	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Arsenic	1010	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Barium	1015	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Beryllium	1020	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Cadmium	1030	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Chromium	1040	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Cobalt	1050	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Copper	1055	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Lead	1075	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Manganese	1090	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Molybdenum	1100	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Nickel	1105	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Selenium	1140	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Silver	1150	KS

DW	EPA 200.8 (5.4, 1994)	10014605	Strontium	1160	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Thallium	1165	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Vanadium	1185	KS
DW	EPA 200.8 (5.4, 1994)	10014605	Zinc	1190	KS
DW	EPA 245.1 (3, 1994)	10036609	Mercury	1095	KS
DW	EPA 300.0 (2.1, 1993)	10053200	Chloride	1575	KS
DW	EPA 300.0 (2.1, 1993)	10053200	Fluoride	1730	KS
DW	EPA 300.0 (2.1, 1993)	10053200	Orthophosphate as P	1870	KS
DW	EPA 300.0 (2.1, 1993)	10053200	Sulfate	2000	KS
DW	EPA 300.1 (1, 1997)	10275602	Bromate	1535	KS
DW	EPA 300.1 (1, 1997)	10275602	Bromide	1540	KS
DW	EPA 300.1 (1, 1997)	10275602	Chlorate	1570	KS
DW	EPA 300.1 (1, 1997)	10275602	Chlorite	1595	KS
DW	EPA 335.4 (1, 1993)	10061402	Total Cyanide	1645	KS
DW	EPA 353.2 (2, 1993)	10067604	Nitrate as N	1810	KS
DW	EPA 353.2 (2, 1993)	10067604	Nitrate plus Nitrite as N	1820	KS
DW	EPA 353.2 (2, 1993)	10067604	Nitrite as N	1840	KS
DW	EPA 365.1 (2, 1993)	10070005	Total Phosphorus	1910	KS
DW	EPA 524.2 (4.1, 1995)	10088809	Bromodichloromethane	4395	KS
DW	EPA 524.2 (4.1, 1995)	10088809	Bromoform	4400	KS
DW	EPA 524.2 (4.1, 1995)	10088809	Chlorodibromomethane	4575	KS
DW	EPA 524.2 (4.1, 1995)	10088809	Chloroform	4505	KS
DW	EPA 533 (2019)	10091619	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9490	KS
DW	EPA 533 (2019)	10091619	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	6948	KS
DW	EPA 533 (2019)	10091619	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	6946	KS
DW	EPA 533 (2019)	10091619	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	6947	KS

DW	EPA 533 (2019)	10091619	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6951	KS
DW	EPA 533 (2019)	10091619	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	6952	KS
DW	EPA 533 (2019)	10091619	Hexafluoropropylene oxide dimer acid (HFPO-DA) (GenX)	9460	KS
DW	EPA 533 (2019)	10091619	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6956	KS
DW	EPA 533 (2019)	10091619	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	6957	KS
DW	EPA 533 (2019)	10091619	Perfluoro-3-methoxypropanoic acid (PFMPA)	6965	KS
DW	EPA 533 (2019)	10091619	Perfluoro-4-methoxybutanoic acid (PFMBA)	6966	KS
DW	EPA 533 (2019)	10091619	Perfluorobutanesulfonic acid (PFBS)	6918	KS
DW	EPA 533 (2019)	10091619	Perfluorobutanoic acid (PFBA)	6915	KS
DW	EPA 533 (2019)	10091619	Perfluorodecanoic acid (PFDA)	6905	KS
DW	EPA 533 (2019)	10091619	Perfluorododecanoic acid (PFDOA)	6903	KS
DW	EPA 533 (2019)	10091619	Perfluoroheptanesulfonic acid (PFHpS)	9470	KS
DW	EPA 533 (2019)	10091619	Perfluoroheptanoic acid (PFHpA)	6908	KS
DW	EPA 533 (2019)	10091619	Perfluorohexanesulfonic acid (PFHxS)	6927	KS
DW	EPA 533 (2019)	10091619	Perfluorohexanoic acid (PFHxA)	6913	KS
DW	EPA 533 (2019)	10091619	Perfluorononanoic acid (PFNA)	6906	KS
DW	EPA 533 (2019)	10091619	Perfluorooctanesulfonic acid (PFOS)	6931	KS
DW	EPA 533 (2019)	10091619	Perfluorooctanoic acid (PFOA)	6912	KS
DW	EPA 533 (2019)	10091619	Perfluoropentanesulfonic acid (PFPeS)	6934	KS
DW	EPA 533 (2019)	10091619	Perfluoropentanoic acid (PFPeA)	6914	KS
DW	EPA 533 (2019)	10091619	Perfluoroundecanoic acid (PFUnA)	6904	KS
DW	Legiolert (2016)	60008335	Legionella pneumophila	2556	KS
DW	SM 2120 B-2011 (2011)	20039310	Color	1605	KS
DW	SM 2150 B-2011 (2011)	20043816	Odor	1855	KS
DW	SM 2320 B (22nd Ed, 2011)	20045414	Alkalinity as CaCO3	1505	KS

DW	SM 2330 B (22nd ED, 2010)	20003365	Corrosivity (langlier index)	1620	KS
DW	SM 2340 B (22nd Ed, 2011)	20046417	Total hardness as CaCO3	1755	KS
DW	SM 2510 B (22nd Ed, 2011)	20048413	Conductivity	1610	KS
DW	SM 2540 C (22nd Ed, 2011)	20050424	Residue-filterable (TDS)	1955	KS
DW	SM 4500-Cl G-2011 (2011)	20081623	Total Residual Chlorine	1940	KS
DW	SM 4500-NH3 H (22nd ED, 2011)	20112010	Ammonia as N	1515	KS
DW	SM 5310 B (22nd ED, 2011)	20137615	Total Organic Carbon (TOC)	2040	KS
DW	SM 6251 B (22nd ED, 2007)	20149013	Bromoacetic acid	9312	KS
DW	SM 6251 B (22nd ED, 2007)	20149013	Bromochloroacetic acid	9315	KS
DW	SM 6251 B (22nd ED, 2007)	20149013	Chloroacetic acid	9336	KS
DW	SM 6251 B (22nd ED, 2007)	20149013	Dibromoacetic acid	9357	KS
DW	SM 6251 B (22nd ED, 2007)	20149013	Dichloroacetic acid	9360	KS
DW	SM 6251 B (22nd ED, 2007)	20149013	Trichloroacetic acid (TCAA)	9642	KS
DW	SM 9215 B (PCA)-2004 (2004)	20181617	Heterotrophic plate count	2555	KS
DW	SM 9223 B (Colilert Quanti-Tray)-2004 (2004)	20211614	Escherichia coli (E. coli)	2525	KS
DW	SM 9223 B (Colilert Quanti-Tray)-2004 (2004)	20211614	Total coliforms	2500	KS
DW	SM 9223 B (Colilert)-2004 (2004)	20212628	Escherichia coli (E. coli)	2525	KS
DW	SM 9223 B (Colilert)-2004 (2004)	20212628	Total coliforms	2500	KS
DW	SM 9223 B (Colisure) (22nd ED, 2004)	20231612	Escherichia coli (E. coli)	2525	KS
DW	SM 9223 B (Colisure) (22nd ED, 2004)	20231612	Total coliforms	2500	KS
DW	SM 9260 J - 2007 (2007)	20220240	Legionella pneumophila	2556	KS
NPW	ASTM D8083-16 (2016)	30035202	Total Nitrogen	1827	KS
NPW	EPA 150.1 (1982)	10008409	pH	1900	KS
NPW	EPA 180.1 (2, 1993)	10011800	Turbidity	2055	KS
NPW	EPA 200.7 (4.4, 1994)	10013806	Boron	1025	KS
NPW	EPA 200.7 (4.4, 1994)	10013806	Calcium	1035	KS

NPW	EPA 200.7 (4.4, 1994)	10013806	Iron	1070	KS
NPW	EPA 200.7 (4.4, 1994)	10013806	Magnesium	1085	KS
NPW	EPA 200.7 (4.4, 1994)	10013806	Potassium	1125	KS
NPW	EPA 200.7 (4.4, 1994)	10013806	Sodium	1155	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Aluminum	1000	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Antimony	1005	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Arsenic	1010	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Barium	1015	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Beryllium	1020	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Cadmium	1030	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Chromium	1040	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Cobalt	1050	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Copper	1055	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Lead	1075	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Manganese	1090	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Molybdenum	1100	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Nickel	1105	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Selenium	1140	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Silver	1150	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Strontium	1160	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Thallium	1165	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Vanadium	1185	KS
NPW	EPA 200.8 (5.4, 1994)	10014605	Zinc	1190	KS
NPW	EPA 245.1 (3, 1994)	10036609	Mercury	1095	KS
NPW	EPA 300.0 (2.1, 1993)	10053200	Fluoride	1730	KS
NPW	EPA 300.0 (2.1, 1993)	10053200	Orthophosphate as P	1870	KS

NPW	EPA 300.1 (1, 1997)	10275602	Bromide	1540	KS
NPW	EPA 325.2 (1978)	10057202	Chloride	1575	KS
NPW	EPA 335.4 (1, 1993)	10061402	Total Cyanide	1645	KS
NPW	EPA 353.2 (2, 1993)	10067604	Nitrate as N	1810	KS
NPW	EPA 353.2 (2, 1993)	10067604	Nitrate plus Nitrite as N	1820	KS
NPW	EPA 365.1 (2, 1993)	10070005	Phosphorus	1909	KS
NPW	EPA 375.2 (2, 1993)	10073004	Sulfate	2000	KS
NPW	EPA 533 (2019)	10091619	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	9490	KS
NPW	EPA 533 (2019)	10091619	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	6948	KS
NPW	EPA 533 (2019)	10091619	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	6946	KS
NPW	EPA 533 (2019)	10091619	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	6947	KS
NPW	EPA 533 (2019)	10091619	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6951	KS
NPW	EPA 533 (2019)	10091619	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	6952	KS
NPW	EPA 533 (2019)	10091619	Hexafluoropropylene oxide dimer acid (HFPO-DA) (GenX)	9460	KS
NPW	EPA 533 (2019)	10091619	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6956	KS
NPW	EPA 533 (2019)	10091619	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	6957	KS
NPW	EPA 533 (2019)	10091619	Perfluoro-3-methoxypropanoic acid (PFMPA)	6965	KS
NPW	EPA 533 (2019)	10091619	Perfluoro-4-methoxybutanoic acid (PFMBA)	6966	KS
NPW	EPA 533 (2019)	10091619	Perfluorobutanesulfonic acid (PFBS)	6918	KS
NPW	EPA 533 (2019)	10091619	Perfluorobutanoate (PFBA)	6919	KS
NPW	EPA 533 (2019)	10091619	Perfluorodecanoic acid (PFDA)	6905	KS
NPW	EPA 533 (2019)	10091619	Perfluorododecanoic acid (PFDOA)	6903	KS
NPW	EPA 533 (2019)	10091619	Perfluoroheptanesulfonic acid (PFHpS)	9470	KS
NPW	EPA 533 (2019)	10091619	Perfluoroheptanoic acid (PFHpA)	6908	KS

NPW	EPA 533 (2019)	10091619	Perfluorohexanesulfonic acid (PFHxS)	6927	KS
NPW	EPA 533 (2019)	10091619	Perfluorohexanoic acid (PFHxA)	6913	KS
NPW	EPA 533 (2019)	10091619	Perfluorononanoic acid (PFNA)	6906	KS
NPW	EPA 533 (2019)	10091619	Perfluorooctanesulfonic acid (PFOS)	6931	KS
NPW	EPA 533 (2019)	10091619	Perfluorooctanoic acid (PFOA)	6912	KS
NPW	EPA 533 (2019)	10091619	Perfluoropentanesulfonic acid (PFPeS)	6934	KS
NPW	EPA 533 (2019)	10091619	Perfluoropentanoic acid (PFPeA)	6914	KS
NPW	EPA 533 (2019)	10091619	Perfluoroundecanoic acid (PFUnA)	6904	KS
NPW	Legiolert (2016)	60008335	Legionella pneumophila	2556	KS
NPW	SM 10200 H - 2011 (2011)	20300236	Chlorophyll a	9344	KS
NPW	SM 10200 H - 2011 (2011)	20300236	Pheophytin A	8637	KS
NPW	SM 10300 C (21st ED, 2001)	20300269	Periphyton	8652	KS
NPW	SM 2320 B (22nd Ed, 2011)	20045414	Alkalinity as CaCO ₃	1505	KS
NPW	SM 2340 B (22nd Ed, 2011)	20046417	Total hardness as CaCO ₃	1755	KS
NPW	SM 2510 B (22nd Ed, 2011)	20048413	Conductivity	1610	KS
NPW	SM 2540 C (22nd Ed, 2011)	20050424	Residue-filterable (TDS)	1955	KS
NPW	SM 2540 D (22nd Ed, 2011)	20051018	Residue-nonfilterable (TSS)	1960	KS
NPW	SM 2540 E (22nd Ed, 2011)	20051665	Residue-volatile	1970	KS
NPW	SM 4500-NH ₃ H (22nd ED, 2011)	20112010	Ammonia as N	1515	KS
NPW	SM 4500-S ₂ ⁻ D-2011 (2011)	20125864	Sulfide	2005	KS
NPW	SM 4500-SiO ₂ F-2011 (2011)	20129877	Silica as SiO ₂	1990	KS
NPW	SM 5310 B-2011 (2011)	20137820	Total Organic Carbon (TOC)	2040	KS
NPW	SM 9223 B (Colilert Quanti-Tray)-2004 (2004)	20211614	Escherichia coli (E. coli)	2525	KS
NPW	SM 9223 B (Colilert Quanti-Tray)-2004 (2004)	20211614	Total coliforms	2500	KS
NPW	SM 9223 B (Colisure Quanti-Tray)-2004 (2004)	20230813	Escherichia coli (E. coli)	2525	KS
NPW	SM 9223 B (Colisure Quanti-Tray)-2004 (2004)	20230813	Total coliforms	2500	KS

NPW	SM 9230 D-2007 (2007)	20219709	Enterococci	2520	KS
NPW	SM 9260 J - 2007 (2007)	20220240	Legionella pneumophila	2556	KS