

New Mexico Environment Department

Drinking Water Laboratory Certification Program

under Primacy Agreement with the United States Environmental Protection Agency, pursuant to the Safe Drinking Water Act Regulations, 40 CFR, Part 141 certifies that

Cardinal Laboratories (Lab #NM00036)

101 East Marland Hobbs, NM 88240


is in compliance with the criteria and procedures of the NM Drinking Water Laboratory Certification Program to analyze and report SDWA compliance data in New Mexico. The laboratory may perform EPA approved analyses for NM public water systems for the contaminants listed in the attached laboratory scope of accreditation.

Certification Effective: May 1, 2021 – April 30, 2022



Bethany Anderson, Certification Authority

NMED Drinking Water Laboratory Certification Program

| Cardinal Laboratories (Lab #NM00036) 101 East Marland Hobbs, NM 88240 | LABORATORY SCOPE OF ACCREDITATION FOR DRINKING WATER CERTIFICATION IN NEW MEXICO |  | | |
|--|---|---|----------------|-----------------|
| SDWIS CODE - Drinking Water Analytes | METHOD(S) | Type of Certification | Effective Date | Expiration Date |
| INORGANICS | | | | |
| Heavy Metals Group (HM) | | | | |
| 1074 - ANTIMONY | Subcontracted | N/A | N/A | N/A |
| 1005 - ARSENIC | Subcontracted | N/A | N/A | N/A |
| 1010 - BARIUM | Subcontracted | N/A | N/A | N/A |
| 1075 - BERYLLIUM | Subcontracted | N/A | N/A | N/A |
| 1015 - CADMIUM | Subcontracted | N/A | N/A | N/A |
| 1020 - CHROMIUM | Subcontracted | N/A | N/A | N/A |
| 1035 - MERCURY | Subcontracted | N/A | N/A | N/A |
| 1036 - NICKEL | Subcontracted | N/A | N/A | N/A |
| 1045 - SELENIUM | Subcontracted | N/A | N/A | N/A |
| 1052 - SODIUM | Subcontracted | N/A | N/A | N/A |
| 1085 - THALLIUM | Subcontracted | N/A | N/A | N/A |
| Lead and Copper Group (Pb/Cu) | | | | |
| 1030 - LEAD | Subcontracted | N/A | N/A | N/A |
| 1022 - COPPER | Subcontracted | N/A | N/A | N/A |
| Secondary Parameters (SEC) | | | | |
| 1002 - ALUMINUM | Subcontracted | N/A | N/A | N/A |
| 1017 - CHLORIDE | Subcontracted | N/A | N/A | N/A |
| 1905 - COLOR | Subcontracted | N/A | N/A | N/A |
| 2905 - FOAMING AGENTS | Not Requested | N/A | N/A | N/A |
| 1028 - IRON | Subcontracted | N/A | N/A | N/A |
| 1032 - MANGANESE | Subcontracted | N/A | N/A | N/A |
| 1920 - ODOR | Subcontracted | N/A | N/A | N/A |
| 1050 - SILVER | Subcontracted | N/A | N/A | N/A |
| 1055 - SULFATE | Subcontracted | N/A | N/A | N/A |
| 1930 - TOTAL DISSOLVED SOLIDS (TDS) | Subcontracted | N/A | N/A | N/A |
| 1095 - ZINC | Subcontracted | N/A | N/A | N/A |
| Individual Analytes | | | | |
| 1094 - ASBESTOS | Subcontracted | N/A | N/A | N/A |

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|---|---------------|-----------|----------|-----------|
| 1004 - BROMIDE | Not Requested | N/A | N/A | N/A |
| 1024 - CYANIDE | Subcontracted | N/A | N/A | N/A |
| 1025 - FLUORIDE | Subcontracted | N/A | N/A | N/A |
| 1915 - HARDNESS, TOTAL | Not Requested | N/A | N/A | N/A |
| 1031 - MAGNESIUM | Not Requested | N/A | N/A | N/A |
| 1040 - NITRATE | Subcontracted | N/A | N/A | N/A |
| 1041 - NITRITE | Subcontracted | N/A | N/A | N/A |
| 1038 - NITRATE + NITRITE | Subcontracted | N/A | N/A | N/A |
| 1042 - POTASSIUM | Not Requested | | | |
| ORGANICS | | | | |
| Volatile Organic Compounds Group (VOC) | | | | |
| 2981 - 1,1,1-TRICHLOROETHANE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2985 - 1,1,2-TRICHLOROETHANE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2977 - 1,1-DICHLOROETHYLENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2378 - 1,2,4-TRICHLOROBENZENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2968 - 1,2-DICHLOROBENZENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2969 - 1,4-DICHLOROBENZENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2980 - 1,2-DICHLOROETHANE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2380 - CIS-1,2-DICHLOROETHENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2979 - TRANS-1,2-DICHLOROETHENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2983 - 1,2-DICHLOROPROPANE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2990 - BENZENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2982 - CARBON TETRACHLORIDE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2989 - CHLOROBENZENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2964 - DICHLOROMETHANE (DCM) | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2992 - ETHYLBENZENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2996 - STYRENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2987 - TETRACHLOROETHYLENE (PCE) | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2991 - TOLUENE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2984 - TRICHLOROETHYLENE (TCE) | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2976 - VINYL CHLORIDE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2955 - XYLENES, TOTAL | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| Synthetic Organic Compounds Group (RSOC) | | | | |
| 2110 - 2,4,5-TP (SILVEX) | Subcontracted | N/A | N/A | N/A |
| 2105 - 2,4-D | Subcontracted | N/A | N/A | N/A |
| 2050 - ATRAZINE | Subcontracted | N/A | N/A | N/A |
| 2306 - BENZO(A)PYRENE | Subcontracted | N/A | N/A | N/A |

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|---|---------------|-----------|----------|-----------|
| 2010 - LINDANE (BHC-GAMMA) | Subcontracted | N/A | N/A | N/A |
| 2046 - CARBOFURAN | Subcontracted | N/A | N/A | N/A |
| 2959 - CHLORDANE | Subcontracted | N/A | N/A | N/A |
| 2031 - DALAPON | Subcontracted | N/A | N/A | N/A |
| 2035 - DI(2-ETHYLHEXYL) ADIPATE | Subcontracted | N/A | N/A | N/A |
| 2039 - DI(2-ETHYLHEXYL) PHTHALATE | Subcontracted | N/A | N/A | N/A |
| 2931 - DIBROMOCHLOROPROPANE | Subcontracted | N/A | N/A | N/A |
| 2041 - DINOSEB | Subcontracted | N/A | N/A | N/A |
| 2032 - DIQUAT | Subcontracted | N/A | N/A | N/A |
| 2033 - ENDOTHALL | Subcontracted | N/A | N/A | N/A |
| 2005 - ENDRIN | Subcontracted | N/A | N/A | N/A |
| 2946 - ETHYLENE DIBROMIDE (EDB) | Subcontracted | N/A | N/A | N/A |
| 2034 - GLYPHOSATE | Subcontracted | N/A | N/A | N/A |
| 2065 - HEPTACHLOR | Subcontracted | N/A | N/A | N/A |
| 2067 - HEPTACHLOR EPOXIDE | Subcontracted | N/A | N/A | N/A |
| 2274 - HEXACHLOROBENZENE | Subcontracted | N/A | N/A | N/A |
| 2042 - HEXACHLOROYCLOPENTADIENE | Subcontracted | N/A | N/A | N/A |
| 2051 - LASSO (ALACHLOR) | Subcontracted | N/A | N/A | N/A |
| 2015 - METHOXYCHLOR | Subcontracted | N/A | N/A | N/A |
| 2036 - OXAMYL (VYDATE) | Subcontracted | N/A | N/A | N/A |
| 2326 - PENTACHLOROPHENOL | Subcontracted | N/A | N/A | N/A |
| 2040 - PICLORAM | Subcontracted | N/A | N/A | N/A |
| 2037 - SIMAZINE | Subcontracted | N/A | N/A | N/A |
| 2383 - PCBs (as AROCLORS) | Subcontracted | N/A | N/A | N/A |
| 2020 - TOXAPHENE | Subcontracted | N/A | N/A | N/A |
| Disinfectant Byproducts Group (DBP2) | | | | |
| Total Trihalomethanes (TTHM) | | | | |
| 2943 - BROMODICHLOROMETHANE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2942 - BROMOFORM | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2941 - CHLOROFORM | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2944 - DIBROMOCHLOROMETHANE | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2950 - TOTAL TRIHALOMETHANES | EPA 524.2 | secondary | 5/1/2021 | 4/30/2022 |
| Total Haloacetic Acids (HAA5) | | | | |
| 2453 - MONOBROMOACETIC ACID | EPA 552.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2454 - DIBROMOACETIC ACID | EPA 552.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2451 - DICHLOROACETIC ACID | EPA 552.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2452 - TRICHLOROACETIC ACID | EPA 552.2 | secondary | 5/1/2021 | 4/30/2022 |

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| 2450 - MONOCHLOROACETIC ACID | EPA 552.2 | secondary | 5/1/2021 | 4/30/2022 |
| 2456 - TOTAL HAA5 | EPA 552.2 | secondary | 5/1/2021 | 4/30/2022 |
| Per- and Polyfluoroalkyl Substances (PFAS) | | | | |
| 11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID (11CI-PF3OUds) | Subcontracted | N/A | N/A | N/A |
| 9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (9CI-PF3ONS) | Subcontracted | N/A | N/A | N/A |
| 4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA) | Subcontracted | N/A | N/A | N/A |
| HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROBUTANESULFONIC ACID (PFBS) | Subcontracted | N/A | N/A | N/A |
| PERFLUORODECANOIC ACID (PFDA) | Subcontracted | N/A | N/A | N/A |
| PERFLUORODODECANOIC ACID (PFDoA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROHEPTANOIC ACID (PFHpA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROHEXANOIC ACID (PFHxA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROHEXANESULFONIC ACID (PFHxS) | Subcontracted | N/A | N/A | N/A |
| PERFLUORONONANOIC ACID (PFNA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROOCTANOIC ACID (PFOA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROOCTANESULFONIC ACID (PFOS) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROUNDECANOIC ACID (PFUnA) | Subcontracted | N/A | N/A | N/A |
| 1H,1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID | Subcontracted | N/A | N/A | N/A |
| 1H,1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID | Subcontracted | N/A | N/A | N/A |
| 1H,1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID | Subcontracted | N/A | N/A | N/A |
| NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROBUTANOIC ACID (PFBA) | Subcontracted | N/A | N/A | N/A |
| PERFLUORO(2-ETHOXYETHANE) SULFONIC ACID | Subcontracted | N/A | N/A | N/A |
| PERFLUOROHEPTANESULFONIC ACID (PFHps) | Subcontracted | N/A | N/A | N/A |
| PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA) | Subcontracted | N/A | N/A | N/A |
| PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROPENTANOIC ACID (PFPeA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROPENTANESULFONIC ACID (PFPeS) | Subcontracted | N/A | N/A | N/A |
| N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NEtFOSA) | Subcontracted | N/A | N/A | N/A |
| N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMeFOSAA) | Subcontracted | N/A | N/A | N/A |
| PERFLUOROTRIDECANOIC ACID (PFTTrA) | Subcontracted | | | |
| PERFLUOROTETRADECANOIC ACID (PFTeA) | Subcontracted | N/A | N/A | N/A |

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| Individual Parameters | | | | |
| 1011 - BROMATE | Subcontracted | N/A | N/A | N/A |
| 1008 - CHLORINE DIOXIDE | Not Requested | N/A | N/A | N/A |
| 1006 - CHLORAMINE | Not Requested | N/A | N/A | N/A |
| 2063 - 2,3,7,8 -TCDD (DIOXIN) | Subcontracted | N/A | N/A | N/A |
| 2919 - DISSOLVED ORGANIC CARBON (DOC) | Subcontracted | N/A | N/A | N/A |
| 2920 - TOTAL ORGANIC CARBON (TOC) | Subcontracted | N/A | N/A | N/A |
| 2923 - SPECIFIC UV ABS (SUVA) | Not Requested | N/A | N/A | N/A |
| RADIOLOGICAL | | | | |
| Radiological Group (NRAD) | | | | |
| 4002 - GROSS ALPHA, INCL. RADON & U | Subcontracted | N/A | N/A | N/A |
| 4100 - GROSS BETA PARTICLE ACTIVITY | Subcontracted | N/A | N/A | N/A |
| 4020 - RADIUM-226 | Subcontracted | N/A | N/A | N/A |
| 4030 - RADIUM-228 | Subcontracted | N/A | N/A | N/A |
| 4006 - COMBINED URANIUM (U-MASS) | Subcontracted | N/A | N/A | N/A |
| Individual Radiological Parameters | | | | |
| 4172 - STRONTIUM-89 | Not Requested | N/A | N/A | N/A |
| 4174 - STRONTIUM-90 | Not Requested | N/A | N/A | N/A |
| 4102 - TRITIUM | Subcontracted | N/A | N/A | N/A |
| MICROBIOLOGICAL | | | | |
| 3100 - TOTAL COLIFORM | SM 9223B | N/A | 5/1/2021 | 4/30/2022 |
| 3014 - E. COLI | SM 9223B | N/A | 5/1/2021 | 4/30/2022 |
| 3015 - CRYPTOSPORIDIUM | Not Requested | N/A | N/A | N/A |
| 3008 - GIARDIA | Not Requested | N/A | N/A | N/A |
| TC/EC ENUMERATION | Not Requested | N/A | N/A | N/A |