

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Erin E. Chancellor, *Interim Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

April 10, 2023

Ms. Celey Keene  
Cardinal Laboratories  
101 East Marland  
Hobbs, NM 88240-6640

Subject: Texas NELAP accreditation renewal

Dear Ms. Keene:

I am pleased to advise you the Texas Commission on Environmental Quality is renewing your laboratory's NELAP. The accreditation is valid until the expiration date on the certificate and scope, contingent on continued compliance with the standards for accreditation and requirements of the state of Texas.

I am enclosing an accreditation certificate and listing of your laboratory's fields of accreditation. Please review the enclosures for accuracy and completeness.

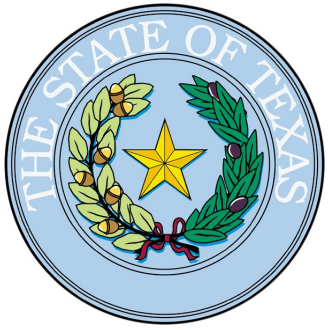
Please contact me at [frank.jamison@tceq.texas.gov](mailto:frank.jamison@tceq.texas.gov) if I can provide any additional information or assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Frank Jamison", with a long horizontal flourish extending to the right.

Frank Jamison  
Data and Records Specialist

Enclosures



# Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to



**Cardinal Laboratories**

**101 East Marland  
Hobbs, NM 88240-6640**

in accordance with Texas Water Code Chapter 5, Subchapter R, Title 30 Texas Administrative Code Chapter 25, and the National Environmental Laboratory Accreditation Program.

The laboratory's scope of accreditation includes the fields of accreditation that accompany this certificate. Continued accreditation depends upon successful ongoing participation in the program. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current location(s) and accreditation status for particular methods and analyses ([www.tceq.texas.gov/goto/lab](http://www.tceq.texas.gov/goto/lab)). Accreditation does not imply that a product, process, system or person is approved by the Texas Commission on Environmental Quality.

**Certificate Number: T104704398-23-16**

**Effective Date: 5/1/2023**

**Expiration Date: 4/30/2024**

A handwritten signature in black ink, reading "Erin E. Chamallo".

**Executive Director Texas Commission on  
Environmental Quality**



# Texas Commission on Environmental Quality

## NELAP - Recognized Laboratory Fields of Accreditation



### Cardinal Laboratories

101 East Marland  
Hobbs, NM 88240-6640

Certificate: T104704398-23-16  
Expiration Date: 4/30/2024  
Issue Date: 5/1/2023

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### Matrix: *Drinking Water*

#### Method EPA 524.2

| Analyte                                  | AB | Analyte ID | Method ID |
|------------------------------------------|----|------------|-----------|
| 1,1,1-Trichloroethane                    | TX | 5160       | 10088809  |
| 1,1,2-Trichloroethane                    | TX | 5165       | 10088809  |
| 1,1-Dichloroethylene                     | TX | 4640       | 10088809  |
| 1,2,4-Trichlorobenzene                   | TX | 5155       | 10088809  |
| 1,2-Dichlorobenzene                      | TX | 4610       | 10088809  |
| 1,2-Dichloroethane (Ethylene dichloride) | TX | 4635       | 10088809  |
| 1,2-Dichloropropane                      | TX | 4655       | 10088809  |
| 1,4-Dichlorobenzene                      | TX | 4620       | 10088809  |
| Benzene                                  | TX | 4375       | 10088809  |
| Carbon tetrachloride                     | TX | 4455       | 10088809  |
| Chlorobenzene                            | TX | 4475       | 10088809  |
| cis-1,2-Dichloroethylene                 | TX | 4645       | 10088809  |
| Ethylbenzene                             | TX | 4765       | 10088809  |
| Methylene chloride (Dichloromethane)     | TX | 4975       | 10088809  |
| Styrene                                  | TX | 5100       | 10088809  |
| Tetrachloroethylene (Perchloroethylene)  | TX | 5115       | 10088809  |
| Toluene                                  | TX | 5140       | 10088809  |
| Total trihalomethanes                    | TX | 5205       | 10088809  |
| trans-1,2-Dichloroethylene               | TX | 4700       | 10088809  |
| Trichloroethene (Trichloroethylene)      | TX | 5170       | 10088809  |
| Vinyl chloride                           | TX | 5235       | 10088809  |
| Xylene (total)                           | TX | 5260       | 10088809  |

#### Method EPA 552.2

| Analyte                | AB | Analyte ID | Method ID |
|------------------------|----|------------|-----------|
| Total haloacetic acids | TX | 9414       | 10095804  |

#### Method SM 9223-IDEXX Laboratories Colilert® Test

| Analyte                           | AB | Analyte ID | Method ID |
|-----------------------------------|----|------------|-----------|
| Total coliforms and E. coli (P/A) | TX | 2502       | 20212413  |



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4/30/2024

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5/1/2023

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### Matrix: *Non-Potable Water*

#### Method EPA 120.1

| Analyte      | AB | Analyte ID | Method ID |
|--------------|----|------------|-----------|
| Conductivity | TX | 1610       | 10006403  |

#### Method EPA 1311

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
| TCLP    | TX | 849        | 10118806  |

#### Method EPA 1312

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
| SPLP    | TX | 850        | 10119003  |

#### Method EPA 150.1

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
| pH      | TX | 1900       | 10008409  |

#### Method EPA 160.1

| Analyte                  | AB | Analyte ID | Method ID |
|--------------------------|----|------------|-----------|
| Residue-filterable (TDS) | TX | 1955       | 10009208  |

#### Method EPA 160.2

| Analyte                     | AB | Analyte ID | Method ID |
|-----------------------------|----|------------|-----------|
| Residue-nonfilterable (TSS) | TX | 1960       | 10009606  |

#### Method EPA 160.3

| Analyte                      | AB | Analyte ID | Method ID |
|------------------------------|----|------------|-----------|
| Residue-total (total solids) | TX | 1950       | 10010001  |

#### Method EPA 310.1

| Analyte                         | AB | Analyte ID | Method ID |
|---------------------------------|----|------------|-----------|
| Alkalinity as CaCO <sub>3</sub> | TX | 1505       | 10054805  |

#### Method EPA 375.4

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
| Sulfate | TX | 2000       | 10073800  |

#### Method EPA 8015

| Analyte                       | AB | Analyte ID | Method ID |
|-------------------------------|----|------------|-----------|
| Diesel range organics (DRO)   | TX | 9369       | 10173601  |
| Gasoline range organics (GRO) | TX | 9408       | 10173601  |



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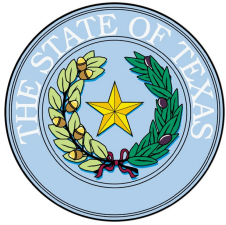
### Matrix: *Non-Potable Water*

#### Method EPA 8021

| Analyte                        | AB | Analyte ID | Method ID |
|--------------------------------|----|------------|-----------|
| Benzene                        | TX | 4375       | 10174400  |
| Ethylbenzene                   | TX | 4765       | 10174400  |
| m+p-xylene                     | TX | 5240       | 10174400  |
| Methyl tert-butyl ether (MTBE) | TX | 5000       | 10174400  |
| o-Xylene                       | TX | 5250       | 10174400  |
| Toluene                        | TX | 5140       | 10174400  |
| Xylene (total)                 | TX | 5260       | 10174400  |

#### Method EPA 8260

| Analyte                                     | AB | Analyte ID | Method ID |
|---------------------------------------------|----|------------|-----------|
| 1,1,1,2-Tetrachloroethane                   | TX | 5105       | 10184802  |
| 1,1,1-Trichloroethane                       | TX | 5160       | 10184802  |
| 1,1,2,2-Tetrachloroethane                   | TX | 5110       | 10184802  |
| 1,1,2-Trichloroethane                       | TX | 5165       | 10184802  |
| 1,1-Dichloroethane                          | TX | 4630       | 10184802  |
| 1,1-Dichloroethylene                        | TX | 4640       | 10184802  |
| 1,1-Dichloropropene                         | TX | 4670       | 10184802  |
| 1,2,3-Trichlorobenzene                      | TX | 5150       | 10184802  |
| 1,2,3-Trichloropropane                      | TX | 5180       | 10184802  |
| 1,2,4-Trichlorobenzene                      | TX | 5155       | 10184802  |
| 1,2,4-Trimethylbenzene                      | TX | 5210       | 10184802  |
| 1,2-Dibromo-3-chloropropane (DBCP)          | TX | 4570       | 10184802  |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | TX | 4585       | 10184802  |
| 1,2-Dichlorobenzene                         | TX | 4610       | 10184802  |
| 1,2-Dichloroethane (Ethylene dichloride)    | TX | 4635       | 10184802  |
| 1,2-Dichloropropane                         | TX | 4655       | 10184802  |
| 1,3,5-Trimethylbenzene                      | TX | 5215       | 10184802  |
| 1,3-Dichlorobenzene                         | TX | 4615       | 10184802  |
| 1,3-Dichloropropane                         | TX | 4660       | 10184802  |
| 1,4-Dichlorobenzene                         | TX | 4620       | 10184802  |



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Issue Date: 5/1/2023

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### Matrix: *Non-Potable Water*

|                                       |    |      |          |
|---------------------------------------|----|------|----------|
| 2,2-Dichloropropane                   | TX | 4665 | 10184802 |
| 2-Butanone (Methyl ethyl ketone, MEK) | TX | 4410 | 10184802 |
| 2-Chloroethyl vinyl ether             | TX | 4500 | 10184802 |
| 2-Chlorotoluene                       | TX | 4535 | 10184802 |
| 2-Hexanone (MBK)                      | TX | 4860 | 10184802 |
| 4-Chlorotoluene                       | TX | 4540 | 10184802 |
| 4-Isopropyltoluene (p-Cymene)         | TX | 4915 | 10184802 |
| 4-Methyl-2-pentanone (MIBK)           | TX | 4995 | 10184802 |
| Acetone (2-Propanone)                 | TX | 4315 | 10184802 |
| Acrolein (Propenal)                   | TX | 4325 | 10184802 |
| Acrylonitrile                         | TX | 4340 | 10184802 |
| Benzene                               | TX | 4375 | 10184404 |
| Bromobenzene                          | TX | 4385 | 10184802 |
| Bromochloromethane                    | TX | 4390 | 10184802 |
| Bromodichloromethane                  | TX | 4395 | 10184802 |
| Bromoform                             | TX | 4400 | 10184802 |
| Carbon disulfide                      | TX | 4450 | 10184802 |
| Carbon tetrachloride                  | TX | 4455 | 10184802 |
| Chlorobenzene                         | TX | 4475 | 10184802 |
| Chlorodibromomethane                  | TX | 4575 | 10184802 |
| Chloroethane (Ethyl chloride)         | TX | 4485 | 10184802 |
| Chloroform                            | TX | 4505 | 10184802 |
| cis-1,2-Dichloroethylene              | TX | 4645 | 10184802 |
| cis-1,3-Dichloropropene               | TX | 4680 | 10184802 |
| Dibromomethane (Methylene bromide)    | TX | 4595 | 10184802 |
| Dichlorodifluoromethane (Freon-12)    | TX | 4625 | 10184802 |
| Ethylbenzene                          | TX | 4765 | 10184404 |
| Hexachlorobutadiene                   | TX | 4835 | 10184802 |
| Isopropylbenzene (Cumene)             | TX | 4900 | 10184802 |
| m+p-xylene                            | TX | 5240 | 10184802 |





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### Matrix: *Non-Potable Water*

|                                                           |    |      |          |
|-----------------------------------------------------------|----|------|----------|
| Methyl bromide (Bromomethane)                             | TX | 4950 | 10184802 |
| Methyl chloride (Chloromethane)                           | TX | 4960 | 10184802 |
| Methyl tert-butyl ether (MTBE)                            | TX | 5000 | 10184802 |
| Methylene chloride (Dichloromethane)                      | TX | 4975 | 10184802 |
| Naphthalene                                               | TX | 5005 | 10184802 |
| n-Butylbenzene                                            | TX | 4435 | 10184802 |
| n-Propylbenzene                                           | TX | 5090 | 10184802 |
| o-Xylene                                                  | TX | 5250 | 10184802 |
| sec-Butylbenzene                                          | TX | 4440 | 10184802 |
| Styrene                                                   | TX | 5100 | 10184802 |
| tert-Butylbenzene                                         | TX | 4445 | 10184802 |
| Tetrachloroethylene (Perchloroethylene)                   | TX | 5115 | 10184802 |
| Toluene                                                   | TX | 5140 | 10184404 |
| trans-1,2-Dichloroethylene                                | TX | 4700 | 10184802 |
| trans-1,3-Dichloropropylene                               | TX | 4685 | 10184802 |
| Trichloroethene (Trichloroethylene)                       | TX | 5170 | 10184802 |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | TX | 5175 | 10184802 |
| Vinyl acetate                                             | TX | 5225 | 10184802 |
| Vinyl chloride                                            | TX | 5235 | 10184802 |
| Xylene (total)                                            | TX | 5260 | 10184404 |

### Method EPA 8270

| Analyte                                                         | AB | Analyte ID | Method ID |
|-----------------------------------------------------------------|----|------------|-----------|
| 1,2,4,5-Tetrachlorobenzene                                      | TX | 6715       | 10185805  |
| 1,2,4-Trichlorobenzene                                          | TX | 5155       | 10185805  |
| 1,2-Dichlorobenzene                                             | TX | 4610       | 10185805  |
| 1,3-Dichlorobenzene                                             | TX | 4615       | 10185805  |
| 1,4-Dichlorobenzene                                             | TX | 4620       | 10185805  |
| 2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl)ether) | TX | 4659       | 10185805  |
| 2,3,4,6-Tetrachlorophenol                                       | TX | 6735       | 10185805  |
| 2,4,5-Trichlorophenol                                           | TX | 6835       | 10185805  |



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### Matrix: *Non-Potable Water*

|                                                         |    |      |          |
|---------------------------------------------------------|----|------|----------|
| 2,4,6-Trichlorophenol                                   | TX | 6840 | 10185805 |
| 2,4-Dichlorophenol                                      | TX | 6000 | 10185805 |
| 2,4-Dimethylphenol                                      | TX | 6130 | 10185805 |
| 2,4-Dinitrophenol                                       | TX | 6175 | 10185805 |
| 2,4-Dinitrotoluene (2,4-DNT)                            | TX | 6185 | 10185805 |
| 2,6-Dichlorophenol                                      | TX | 6005 | 10185805 |
| 2,6-Dinitrotoluene (2,6-DNT)                            | TX | 6190 | 10185805 |
| 2-Chloronaphthalene                                     | TX | 5795 | 10185805 |
| 2-Chlorophenol                                          | TX | 5800 | 10185805 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol) | TX | 6360 | 10185805 |
| 2-Methylnaphthalene                                     | TX | 6385 | 10185805 |
| 2-Methylphenol (o-Cresol)                               | TX | 6400 | 10185805 |
| 2-Nitroaniline                                          | TX | 6460 | 10185805 |
| 2-Nitrophenol                                           | TX | 6490 | 10185805 |
| 3,3'-Dichlorobenzidine                                  | TX | 5945 | 10185805 |
| 3-Nitroaniline                                          | TX | 6465 | 10185805 |
| 4-Bromophenyl phenyl ether (BDE-3)                      | TX | 5660 | 10185805 |
| 4-Chloro-3-methylphenol                                 | TX | 5700 | 10185805 |
| 4-Chloroaniline                                         | TX | 5745 | 10185805 |
| 4-Chlorophenyl phenylether                              | TX | 5825 | 10185805 |
| 4-Methylphenol (p-Cresol)                               | TX | 6410 | 10185805 |
| 4-Nitroaniline                                          | TX | 6470 | 10185805 |
| 4-Nitrophenol                                           | TX | 6500 | 10185805 |
| Acenaphthene                                            | TX | 5500 | 10185805 |
| Acenaphthylene                                          | TX | 5505 | 10185805 |
| Aniline                                                 | TX | 5545 | 10185805 |
| Anthracene                                              | TX | 5555 | 10185805 |
| Benzidine                                               | TX | 5595 | 10185805 |
| Benzo(a)anthracene                                      | TX | 5575 | 10185805 |
| Benzo(a)pyrene                                          | TX | 5580 | 10185805 |





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### Matrix: *Non-Potable Water*

|                                                                |    |      |          |
|----------------------------------------------------------------|----|------|----------|
| Benzo(b)fluoranthene                                           | TX | 5585 | 10185805 |
| Benzo(g,h,i)perylene                                           | TX | 5590 | 10185805 |
| Benzo(k)fluoranthene                                           | TX | 5600 | 10185805 |
| Benzyl alcohol                                                 | TX | 5630 | 10185805 |
| bis(2-Chloroethoxy)methane                                     | TX | 5760 | 10185805 |
| bis(2-Chloroethyl) ether                                       | TX | 5765 | 10185805 |
| bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP) | TX | 6065 | 10185805 |
| Butyl benzyl phthalate                                         | TX | 5670 | 10185805 |
| Carbazole                                                      | TX | 5680 | 10185805 |
| Chrysene                                                       | TX | 5855 | 10185805 |
| Dibenz(a,h) anthracene                                         | TX | 5895 | 10185805 |
| Dibenzofuran                                                   | TX | 5905 | 10185805 |
| Diethyl phthalate                                              | TX | 6070 | 10185805 |
| Dimethyl phthalate                                             | TX | 6135 | 10185805 |
| Di-n-butyl phthalate                                           | TX | 5925 | 10185805 |
| Di-n-octyl phthalate                                           | TX | 6200 | 10185805 |
| Fluoranthene                                                   | TX | 6265 | 10185805 |
| Fluorene                                                       | TX | 6270 | 10185805 |
| Hexachlorobenzene                                              | TX | 6275 | 10185805 |
| Hexachlorobutadiene                                            | TX | 4835 | 10185805 |
| Hexachlorocyclopentadiene                                      | TX | 6285 | 10185805 |
| Hexachloroethane                                               | TX | 4840 | 10185805 |
| Indeno(1,2,3-cd) pyrene                                        | TX | 6315 | 10185805 |
| Isophorone                                                     | TX | 6320 | 10185805 |
| Naphthalene                                                    | TX | 5005 | 10185805 |
| Nitrobenzene                                                   | TX | 5015 | 10185805 |
| n-Nitrosodimethylamine                                         | TX | 6530 | 10185805 |
| n-Nitrosodi-n-propylamine                                      | TX | 6545 | 10185805 |
| n-Nitrosodiphenylamine                                         | TX | 6535 | 10185805 |
| Pentachlorobenzene                                             | TX | 6590 | 10185805 |



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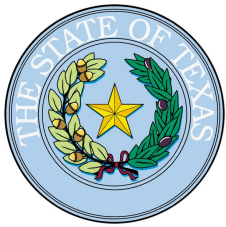
|                   |    |      |          |
|-------------------|----|------|----------|
| Pentachlorophenol | TX | 6605 | 10185805 |
| Phenanthrene      | TX | 6615 | 10185805 |
| Phenol            | TX | 6625 | 10185805 |
| Pyrene            | TX | 6665 | 10185805 |
| Pyridine          | TX | 5095 | 10185805 |

### Method SM 4500-Cl<sup>-</sup> B

| Analyte  | AB | Analyte ID | Method ID |
|----------|----|------------|-----------|
| Chloride | TX | 1575       | 20083801  |

### Method TCEQ 1005

| Analyte                            | AB | Analyte ID | Method ID |
|------------------------------------|----|------------|-----------|
| Total Petroleum Hydrocarbons (TPH) | TX | 2050       | 90019208  |



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### Matrix: Solid & Chemical Materials

#### Method EPA 1311

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
| TCLP    | TX | 849        | 10118806  |

#### Method EPA 1312

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
| SPLP    | TX | 850        | 10119003  |

#### Method EPA 8015

| Analyte                       | AB | Analyte ID | Method ID |
|-------------------------------|----|------------|-----------|
| Diesel range organics (DRO)   | TX | 9369       | 10173601  |
| Gasoline range organics (GRO) | TX | 9408       | 10173601  |

#### Method EPA 8021

| Analyte                        | AB | Analyte ID | Method ID |
|--------------------------------|----|------------|-----------|
| Benzene                        | TX | 4375       | 10174400  |
| Ethylbenzene                   | TX | 4765       | 10174400  |
| m+p-xylene                     | TX | 5240       | 10174400  |
| Methyl tert-butyl ether (MTBE) | TX | 5000       | 10174400  |
| o-Xylene                       | TX | 5250       | 10174400  |
| Toluene                        | TX | 5140       | 10174400  |
| Xylene (total)                 | TX | 5260       | 10174400  |

#### Method EPA 8260

| Analyte                   | AB | Analyte ID | Method ID |
|---------------------------|----|------------|-----------|
| 1,1,1,2-Tetrachloroethane | TX | 5105       | 10184802  |
| 1,1,1-Trichloroethane     | TX | 5160       | 10184802  |
| 1,1,2,2-Tetrachloroethane | TX | 5110       | 10184802  |
| 1,1,2-Trichloroethane     | TX | 5165       | 10184802  |
| 1,1-Dichloroethane        | TX | 4630       | 10184802  |
| 1,1-Dichloroethylene      | TX | 4640       | 10184802  |
| 1,1-Dichloropropene       | TX | 4670       | 10184802  |
| 1,2,3-Trichlorobenzene    | TX | 5150       | 10184802  |
| 1,2,3-Trichloropropane    | TX | 5180       | 10184802  |
| 1,2,4-Trichlorobenzene    | TX | 5155       | 10184802  |



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### Matrix: *Solid & Chemical Materials*

|                                             |    |      |          |
|---------------------------------------------|----|------|----------|
| 1,2,4-Trimethylbenzene                      | TX | 5210 | 10184802 |
| 1,2-Dibromo-3-chloropropane (DBCP)          | TX | 4570 | 10184802 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | TX | 4585 | 10184802 |
| 1,2-Dichlorobenzene                         | TX | 4610 | 10184802 |
| 1,2-Dichloroethane (Ethylene dichloride)    | TX | 4635 | 10184802 |
| 1,2-Dichloropropane                         | TX | 4655 | 10184802 |
| 1,3,5-Trimethylbenzene                      | TX | 5215 | 10184802 |
| 1,3-Dichlorobenzene                         | TX | 4615 | 10184802 |
| 1,3-Dichloropropane                         | TX | 4660 | 10184802 |
| 1,4-Dichlorobenzene                         | TX | 4620 | 10184802 |
| 2,2-Dichloropropane                         | TX | 4665 | 10184802 |
| 2-Butanone (Methyl ethyl ketone, MEK)       | TX | 4410 | 10184802 |
| 2-Chlorotoluene                             | TX | 4535 | 10184802 |
| 2-Hexanone (MBK)                            | TX | 4860 | 10184802 |
| 4-Chlorotoluene                             | TX | 4540 | 10184802 |
| 4-Isopropyltoluene (p-Cymene)               | TX | 4915 | 10184802 |
| 4-Methyl-2-pentanone (MIBK)                 | TX | 4995 | 10184802 |
| Acetone (2-Propanone)                       | TX | 4315 | 10184802 |
| Acrolein (Propenal)                         | TX | 4325 | 10184802 |
| Acrylonitrile                               | TX | 4340 | 10184802 |
| Benzene                                     | TX | 4375 | 10184404 |
| Bromobenzene                                | TX | 4385 | 10184802 |
| Bromochloromethane                          | TX | 4390 | 10184802 |
| Bromodichloromethane                        | TX | 4395 | 10184802 |
| Bromoform                                   | TX | 4400 | 10184802 |
| Carbon disulfide                            | TX | 4450 | 10184802 |
| Carbon tetrachloride                        | TX | 4455 | 10184802 |
| Chlorobenzene                               | TX | 4475 | 10184802 |
| Chlorodibromomethane                        | TX | 4575 | 10184802 |
| Chloroethane (Ethyl chloride)               | TX | 4485 | 10184802 |



# Texas Commission on Environmental Quality

## NELAP - Recognized Laboratory Fields of Accreditation



### Cardinal Laboratories

101 East Marland  
Hobbs, NM 88240-6640

Certificate: T104704398-23-16  
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Issue Date: 5/1/2023

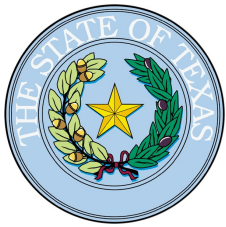
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### Matrix: Solid & Chemical Materials

|                                                           |    |      |          |
|-----------------------------------------------------------|----|------|----------|
| Chloroform                                                | TX | 4505 | 10184802 |
| cis-1,2-Dichloroethylene                                  | TX | 4645 | 10184802 |
| cis-1,3-Dichloropropene                                   | TX | 4680 | 10184802 |
| Dibromomethane (Methylene bromide)                        | TX | 4595 | 10184802 |
| Dichlorodifluoromethane (Freon-12)                        | TX | 4625 | 10184802 |
| Ethylbenzene                                              | TX | 4765 | 10184404 |
| Hexachlorobutadiene                                       | TX | 4835 | 10184802 |
| Isopropylbenzene (Cumene)                                 | TX | 4900 | 10184802 |
| m+p-xylene                                                | TX | 5240 | 10184802 |
| Methyl bromide (Bromomethane)                             | TX | 4950 | 10184802 |
| Methyl chloride (Chloromethane)                           | TX | 4960 | 10184802 |
| Methyl tert-butyl ether (MTBE)                            | TX | 5000 | 10184802 |
| Naphthalene                                               | TX | 5005 | 10184802 |
| n-Butylbenzene                                            | TX | 4435 | 10184802 |
| n-Propylbenzene                                           | TX | 5090 | 10184802 |
| o-Xylene                                                  | TX | 5250 | 10184802 |
| sec-Butylbenzene                                          | TX | 4440 | 10184802 |
| Styrene                                                   | TX | 5100 | 10184802 |
| tert-Butylbenzene                                         | TX | 4445 | 10184802 |
| Tetrachloroethylene (Perchloroethylene)                   | TX | 5115 | 10184802 |
| Toluene                                                   | TX | 5140 | 10184404 |
| trans-1,2-Dichloroethylene                                | TX | 4700 | 10184802 |
| trans-1,3-Dichloropropylene                               | TX | 4685 | 10184802 |
| Trichloroethene (Trichloroethylene)                       | TX | 5170 | 10184802 |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | TX | 5175 | 10184802 |
| Vinyl acetate                                             | TX | 5225 | 10184802 |
| Vinyl chloride                                            | TX | 5235 | 10184802 |
| Xylene (total)                                            | TX | 5260 | 10184404 |

Method EPA 8270

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
|---------|----|------------|-----------|



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### Matrix: *Solid & Chemical Materials*

|                                                                 |    |      |          |
|-----------------------------------------------------------------|----|------|----------|
| 1,2,4,5-Tetrachlorobenzene                                      | TX | 6715 | 10185805 |
| 1,2,4-Trichlorobenzene                                          | TX | 5155 | 10185805 |
| 1,2-Dichlorobenzene                                             | TX | 4610 | 10185805 |
| 1,3-Dichlorobenzene                                             | TX | 4615 | 10185805 |
| 1,4-Dichlorobenzene                                             | TX | 4620 | 10185805 |
| 2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl)ether) | TX | 4659 | 10185805 |
| 2,3,4,6-Tetrachlorophenol                                       | TX | 6735 | 10185805 |
| 2,4,5-Trichlorophenol                                           | TX | 6835 | 10185805 |
| 2,4,6-Trichlorophenol                                           | TX | 6840 | 10185805 |
| 2,4-Dichlorophenol                                              | TX | 6000 | 10185805 |
| 2,4-Dimethylphenol                                              | TX | 6130 | 10185805 |
| 2,4-Dinitrophenol                                               | TX | 6175 | 10185805 |
| 2,4-Dinitrotoluene (2,4-DNT)                                    | TX | 6185 | 10185805 |
| 2,6-Dichlorophenol                                              | TX | 6005 | 10185805 |
| 2,6-Dinitrotoluene (2,6-DNT)                                    | TX | 6190 | 10185805 |
| 2-Chloronaphthalene                                             | TX | 5795 | 10185805 |
| 2-Chlorophenol                                                  | TX | 5800 | 10185805 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)         | TX | 6360 | 10185805 |
| 2-Methylnaphthalene                                             | TX | 6385 | 10185805 |
| 2-Methylphenol (o-Cresol)                                       | TX | 6400 | 10185805 |
| 2-Nitroaniline                                                  | TX | 6460 | 10185805 |
| 2-Nitrophenol                                                   | TX | 6490 | 10185805 |
| 3,3'-Dichlorobenzidine                                          | TX | 5945 | 10185805 |
| 3-Nitroaniline                                                  | TX | 6465 | 10185805 |
| 4-Bromophenyl phenyl ether (BDE-3)                              | TX | 5660 | 10185805 |
| 4-Chloro-3-methylphenol                                         | TX | 5700 | 10185805 |
| 4-Chloroaniline                                                 | TX | 5745 | 10185805 |
| 4-Chlorophenyl phenylether                                      | TX | 5825 | 10185805 |
| 4-Methylphenol (p-Cresol)                                       | TX | 6410 | 10185805 |
| 4-Nitroaniline                                                  | TX | 6470 | 10185805 |





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### Matrix: *Solid & Chemical Materials*

|                                                                |    |      |          |
|----------------------------------------------------------------|----|------|----------|
| 4-Nitrophenol                                                  | TX | 6500 | 10185805 |
| Acenaphthene                                                   | TX | 5500 | 10185805 |
| Acenaphthylene                                                 | TX | 5505 | 10185805 |
| Aniline                                                        | TX | 5545 | 10185805 |
| Anthracene                                                     | TX | 5555 | 10185805 |
| Benzidine                                                      | TX | 5595 | 10185805 |
| Benzo(a)anthracene                                             | TX | 5575 | 10185805 |
| Benzo(a)pyrene                                                 | TX | 5580 | 10185805 |
| Benzo(b)fluoranthene                                           | TX | 5585 | 10185805 |
| Benzo(g,h,i)perylene                                           | TX | 5590 | 10185805 |
| Benzo(k)fluoranthene                                           | TX | 5600 | 10185805 |
| Benzyl alcohol                                                 | TX | 5630 | 10185805 |
| bis(2-Chloroethoxy)methane                                     | TX | 5760 | 10185805 |
| bis(2-Chloroethyl) ether                                       | TX | 5765 | 10185805 |
| bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP) | TX | 6065 | 10185805 |
| Butyl benzyl phthalate                                         | TX | 5670 | 10185805 |
| Carbazole                                                      | TX | 5680 | 10185805 |
| Dibenz(a,h) anthracene                                         | TX | 5895 | 10185805 |
| Dibenzofuran                                                   | TX | 5905 | 10185805 |
| Diethyl phthalate                                              | TX | 6070 | 10185805 |
| Dimethyl phthalate                                             | TX | 6135 | 10185805 |
| Di-n-butyl phthalate                                           | TX | 5925 | 10185805 |
| Di-n-octyl phthalate                                           | TX | 6200 | 10185805 |
| Fluoranthene                                                   | TX | 6265 | 10185805 |
| Fluorene                                                       | TX | 6270 | 10185805 |
| Hexachlorobenzene                                              | TX | 6275 | 10185805 |
| Hexachlorobutadiene                                            | TX | 4835 | 10185805 |
| Hexachlorocyclopentadiene                                      | TX | 6285 | 10185805 |
| Hexachloroethane                                               | TX | 4840 | 10185805 |
| Indeno(1,2,3-cd) pyrene                                        | TX | 6315 | 10185805 |



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### Matrix: *Solid & Chemical Materials*

|                           |    |      |          |
|---------------------------|----|------|----------|
| Isophorone                | TX | 6320 | 10185805 |
| Naphthalene               | TX | 5005 | 10185805 |
| Nitrobenzene              | TX | 5015 | 10185805 |
| n-Nitrosodimethylamine    | TX | 6530 | 10185805 |
| n-Nitrosodi-n-propylamine | TX | 6545 | 10185805 |
| Pentachlorobenzene        | TX | 6590 | 10185805 |
| Pentachlorophenol         | TX | 6605 | 10185805 |
| Phenanthrene              | TX | 6615 | 10185805 |
| Phenol                    | TX | 6625 | 10185805 |
| Pyrene                    | TX | 6665 | 10185805 |
| Pyridine                  | TX | 5095 | 10185805 |

### Method EPA 9045

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
| pH      | TX | 1900       | 10198455  |

### Method TCEQ 1005

| Analyte                            | AB | Analyte ID | Method ID |
|------------------------------------|----|------------|-----------|
| Total Petroleum Hydrocarbons (TPH) | TX | 2050       | 90019208  |