



# Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to



## Enthalpy Analytical, LLC - Virginia

1941 Reymet Road  
Richmond, VA 23237

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:** T104704576-23-1

**Effective Date:** 5/15/2023

**Expiration Date:** 5/31/2024

A handwritten signature in black ink that reads "Erin E. Chamallor".

Executive Director Texas Commission on  
Environmental Quality



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

Enthalpy Analytical, LLC - Virginia

1941 Reymet Road  
Richmond, VA 23237

Certificate: T104704576-23-1  
Expiration Date: 5/31/2024  
Issue Date: 5/15/2023

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: *Non-Potable Water*

#### Method EPA 200.7

Analyte	AB	Analyte ID	Method ID
Aluminum	VA	1000	10013806
Antimony	VA	1005	10013806
Arsenic	VA	1010	10013806
Barium	VA	1015	10013806
Beryllium	VA	1020	10013806
Boron	VA	1025	10013806
Cadmium	VA	1030	10013806
Calcium	VA	1035	10013806
Chromium	VA	1040	10013806
Cobalt	VA	1050	10013806
Copper	VA	1055	10013806
Iron	VA	1070	10013806
Lead	VA	1075	10013806
Magnesium	VA	1085	10013806
Manganese	VA	1090	10013806
Molybdenum	VA	1100	10013806
Nickel	VA	1105	10013806
Potassium	VA	1125	10013806
Selenium	VA	1140	10013806
Silica as SiO <sub>2</sub>	VA	1990	10013806
Silver	VA	1150	10013806
Sodium	VA	1155	10013806
Thallium	VA	1165	10013806
Tin	VA	1175	10013806
Titanium	VA	1180	10013806
Vanadium	VA	1185	10013806
Zinc	VA	1190	10013806

#### Method EPA 200.8

Analyte	AB	Analyte ID	Method ID
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**Matrix: Non-Potable Water**

Aluminum	VA	1000	10014605
Antimony	VA	1005	10014605
Arsenic	VA	1010	10014605
Barium	VA	1015	10014605
Beryllium	VA	1020	10014605
Cadmium	VA	1030	10014605
Calcium	VA	1035	10014605
Chromium	VA	1040	10014605
Cobalt	VA	1050	10014605
Copper	VA	1055	10014605
Iron	VA	1070	10014605
Lead	VA	1075	10014605
Magnesium	VA	1085	10014605
Manganese	VA	1090	10014605
Molybdenum	VA	1100	10014605
Nickel	VA	1105	10014605
Potassium	VA	1125	10014605
Selenium	VA	1140	10014605
Silver	VA	1150	10014605
Sodium	VA	1155	10014605
Thallium	VA	1165	10014605
Tin	VA	1175	10014605
Vanadium	VA	1185	10014605
Zinc	VA	1190	10014605
<b>Method EPA 245.1</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Mercury	VA	1095	10036609
<b>Method EPA 608.3</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
4,4'-DDD	VA	7355	10296625
4,4'-DDE	VA	7360	10296625



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**Matrix: Non-Potable Water**

4,4'-DDT	VA	7365	10296625
Aldrin	VA	7025	10296625
alpha-BHC (alpha-Hexachlorocyclohexane)	VA	7110	10296625
Aroclor-1016 (PCB-1016)	VA	8880	10296625
Aroclor-1221 (PCB-1221)	VA	8885	10296625
Aroclor-1232 (PCB-1232)	VA	8890	10296625
Aroclor-1242 (PCB-1242)	VA	8895	10296625
Aroclor-1248 (PCB-1248)	VA	8900	10296625
Aroclor-1254 (PCB-1254)	VA	8905	10296625
Aroclor-1260 (PCB-1260)	VA	8910	10296625
beta-BHC (beta-Hexachlorocyclohexane)	VA	7115	10296625
Chlordane (tech.)	VA	7250	10296625
delta-BHC (delta-Hexachlorocyclohexane)	VA	7105	10296625
Dieldrin	VA	7470	10296625
Endosulfan I	VA	7510	10296625
Endosulfan II	VA	7515	10296625
Endosulfan sulfate	VA	7520	10296625
Endrin	VA	7540	10296625
Endrin aldehyde	VA	7530	10296625
Endrin ketone	VA	7535	10296625
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	VA	7120	10296625
Heptachlor	VA	7685	10296625
Heptachlor epoxide	VA	7690	10296625
Methoxychlor	VA	7810	10296625
Toxaphene (Chlorinated camphene)	VA	8250	10296625

**Method EPA 615**

Analyte	AB	Analyte ID	Method ID
2,4-D	VA	8545	10298201
2,4-DB	VA	8560	10298201
Dalapon	VA	8555	10298201



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**Matrix: Non-Potable Water**

Dicamba	VA	8595	10298201
Dichloroprop (Dichlorprop, Weedone)	VA	8605	10298201
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	VA	8620	10298201
MCPA	VA	7775	10298201
MCPP	VA	7780	10298201
Silvex (2,4,5-TP)	VA	8650	10298201

**Method EPA 624.1**

Analyte	AB	Analyte ID	Method ID
1,1,1-Trichloroethane	VA	5160	10298121
1,1,2,2-Tetrachloroethane	VA	5110	10298121
1,1,2-Trichloroethane	VA	5165	10298121
1,1-Dichloroethane	VA	4630	10298121
1,1-Dichloroethylene	VA	4640	10298121
1,2-Dichlorobenzene	VA	4610	10298121
1,2-Dichloroethane (Ethylene dichloride)	VA	4635	10298121
1,2-Dichloropropane	VA	4655	10298121
1,3-Dichlorobenzene	VA	4615	10298121
1,4-Dichlorobenzene	VA	4620	10298121
2-Butanone (Methyl ethyl ketone, MEK)	VA	4410	10298121
2-Chloroethyl vinyl ether	VA	4500	10298121
Acetone (2-Propanone)	VA	4315	10298121
Acrolein (Propenal)	VA	4325	10298121
Acrylonitrile	VA	4340	10298121
Benzene	VA	4375	10298121
Bromodichloromethane	VA	4395	10298121
Bromoform	VA	4400	10298121
Carbon tetrachloride	VA	4455	10298121
Chlorobenzene	VA	4475	10298121
Chlorodibromomethane	VA	4575	10298121
Chloroethane (Ethyl chloride)	VA	4485	10298121



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**Matrix: Non-Potable Water**

Chloroform	VA	4505	10298121
cis-1,2-Dichloroethylene	VA	4645	10298121
cis-1,3-Dichloropropene	VA	4680	10298121
Ethylbenzene	VA	4765	10298121
m+p-xylene	VA	5240	10298121
Methyl bromide (Bromomethane)	VA	4950	10298121
Methyl chloride (Chloromethane)	VA	4960	10298121
Methyl tert-butyl ether (MTBE)	VA	5000	10298121
Methylene chloride (Dichloromethane)	VA	4975	10298121
Naphthalene	VA	5005	10298121
o-Xylene	VA	5250	10298121
Tetrachloroethylene (Perchloroethylene)	VA	5115	10298121
Toluene	VA	5140	10298121
Total trihalomethanes	VA	5205	10298121
trans-1,2-Dichloroethylene	VA	4700	10298121
trans-1,3-Dichloropropylene	VA	4685	10298121
Trichloroethene (Trichloroethylene)	VA	5170	10298121
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	VA	5175	10298121
Vinyl chloride	VA	5235	10298121
Xylene (total)	VA	5260	10298121

**Method EPA 625.1**

Analyte	AB	Analyte ID	Method ID
1,2,4-Trichlorobenzene	VA	5155	10300024
1,2-Diphenylhydrazine	VA	6221	10300024
2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl)ether)	VA	4659	10300024
2,4,5-Trichlorophenol	VA	6835	10300024
2,4,6-Trichlorophenol	VA	6840	10300024
2,4-Dichlorophenol	VA	6000	10300024
2,4-Dimethylphenol	VA	6130	10300024
2,4-Dinitrophenol	VA	6175	10300024



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**Matrix: Non-Potable Water**

2,4-Dinitrotoluene (2,4-DNT)	VA	6185	10300024
2,6-Dinitrotoluene (2,6-DNT)	VA	6190	10300024
2-Chloronaphthalene	VA	5795	10300024
2-Chlorophenol	VA	5800	10300024
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	VA	6360	10300024
2-Methylphenol (o-Cresol)	VA	6400	10300024
2-Nitrophenol	VA	6490	10300024
3,3'-Dichlorobenzidine	VA	5945	10300024
Acenaphthene	VA	5500	10300024
Acenaphthylene	VA	5505	10300024
Anthracene	VA	5555	10300024
Benzidine	VA	5595	10300024
Benzo(a)anthracene	VA	5575	10300024
Benzo(a)pyrene	VA	5580	10300024
Benzo(b)fluoranthene	VA	5585	10300024
Benzo(g,h,i)perylene	VA	5590	10300024
Benzo(k)fluoranthene	VA	5600	10300024
bis(2-Chloroethoxy)methane	VA	5760	10300024
bis(2-Chloroethyl) ether	VA	5765	10300024
bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP)	VA	6065	10300024
Butyl benzyl phthalate	VA	5670	10300024
Chrysene	VA	5855	10300024
Dibenz(a,h) anthracene	VA	5895	10300024
Diethyl phthalate	VA	6070	10300024
Dimethyl phthalate	VA	6135	10300024
Di-n-butyl phthalate	VA	5925	10300024
Di-n-octyl phthalate	VA	6200	10300024
Fluoranthene	VA	6265	10300024
Fluorene	VA	6270	10300024
Hexachlorobenzene	VA	6275	10300024



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### Matrix: *Non-Potable Water*

Hexachlorobutadiene	VA	4835	10300024
Hexachlorocyclopentadiene	VA	6285	10300024
Hexachloroethane	VA	4840	10300024
Indeno(1,2,3-cd) pyrene	VA	6315	10300024
Isophorone	VA	6320	10300024
Naphthalene	VA	5005	10300024
n-Nitrosodimethylamine	VA	6530	10300024
n-Nitrosodi-n-propylamine	VA	6545	10300024
n-Nitrosodiphenylamine	VA	6535	10300024
Pentachlorophenol	VA	6605	10300024
Phenanthrene	VA	6615	10300024
Phenol	VA	6625	10300024
Pyrene	VA	6665	10300024

### Method EPA 8015

Analyte	AB	Analyte ID	Method ID
Diesel range organics (DRO)	VA	9369	10173816
Gasoline range organics (GRO)	VA	9408	10173816

### Method EPA 8021

Analyte	AB	Analyte ID	Method ID
Benzene	VA	4375	10174808
Ethylbenzene	VA	4765	10174808
m+p-xylene	VA	5240	10174808
Methyl tert-butyl ether (MTBE)	VA	5000	10174808
Naphthalene	VA	5005	10174808
o-Xylene	VA	5250	10174808
Toluene	VA	5140	10174808
Xylene (total)	VA	5260	10174808

### Method EPA 8081

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	VA	7355	10178800
4,4'-DDE	VA	7360	10178800





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**Matrix: Non-Potable Water**

4,4'-DDT	VA	7365	10178800
Aldrin	VA	7025	10178800
alpha-BHC (alpha-Hexachlorocyclohexane)	VA	7110	10178800
alpha-Chlordane	VA	7240	10178800
beta-BHC (beta-Hexachlorocyclohexane)	VA	7115	10178800
Chlordane (tech.)	VA	7250	10178800
Dacthal (DCPA)	VA	8550	10178800
delta-BHC (delta-Hexachlorocyclohexane)	VA	7105	10178800
Dieldrin	VA	7470	10178800
Endosulfan I	VA	7510	10178800
Endosulfan II	VA	7515	10178800
Endosulfan sulfate	VA	7520	10178800
Endrin	VA	7540	10178800
Endrin aldehyde	VA	7530	10178800
Endrin ketone	VA	7535	10178800
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	VA	7120	10178800
gamma-Chlordane	VA	7245	10178800
Heptachlor	VA	7685	10178800
Heptachlor epoxide	VA	7690	10178800
Methoxychlor	VA	7810	10178800
Mirex	VA	7870	10178800
Toxaphene (Chlorinated camphene)	VA	8250	10178800

**Method EPA 8082**

Analyte	AB	Analyte ID	Method ID
Aroclor-1016 (PCB-1016)	VA	8880	10179201
Aroclor-1221 (PCB-1221)	VA	8885	10179201
Aroclor-1232 (PCB-1232)	VA	8890	10179201
Aroclor-1242 (PCB-1242)	VA	8895	10179201
Aroclor-1248 (PCB-1248)	VA	8900	10179201
Aroclor-1254 (PCB-1254)	VA	8905	10179201



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**Matrix: Non-Potable Water**

Method	AB	Analyte ID	Method ID
Aroclor-1260 (PCB-1260)	VA	8910	10179201
<b>Method EPA 8151</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
2,4,5-T	VA	8655	10183207
2,4-D	VA	8545	10183207
2,4-DB	VA	8560	10183207
3,5-Dichlorobenzoic acid	VA	8600	10183207
4-Nitrophenol	VA	6500	10183207
Acifluorfen	VA	8505	10183207
Bentazon	VA	8530	10183207
Chloramben	VA	8540	10183207
Dacthal (DCPA)	VA	8550	10183207
Dalapon	VA	8555	10183207
Dicamba	VA	8595	10183207
Dichloroprop (Dichloroprop, Weedone)	VA	8605	10183207
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	VA	8620	10183207
MCPA	VA	7775	10183207
MCPP	VA	7780	10183207
Pentachlorophenol	VA	6605	10183207
Picloram	VA	8645	10183207
Silvex (2,4,5-TP)	VA	8650	10183207
<b>Method EPA 8260</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
1,1,1,2-Tetrachloroethane	VA	5105	10184802
1,1,1-Trichloroethane	VA	5160	10184802
1,1,2,2-Tetrachloroethane	VA	5110	10184802
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA	5185	10184802
1,1,2-Trichloroethane	VA	5165	10184802
1,1-Dichloroethane	VA	4630	10184802
1,1-Dichloroethylene	VA	4640	10184802
1,1-Dichloropropene	VA	4670	10184802



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### Matrix: *Non-Potable Water*

1,2,3-Trichlorobenzene	VA	5150	10184802
1,2,3-Trichloropropane	VA	5180	10184802
1,2,4-Trichlorobenzene	VA	5155	10184802
1,2,4-Trimethylbenzene	VA	5210	10184802
1,2-Dibromo-3-chloropropane (DBCP)	VA	4570	10184802
1,2-Dibromoethane (EDB, Ethylene dibromide)	VA	4585	10184802
1,2-Dichlorobenzene	VA	4610	10184802
1,2-Dichloroethane (Ethylene dichloride)	VA	4635	10184802
1,2-Dichloropropane	VA	4655	10184802
1,3,5-Trimethylbenzene	VA	5215	10184802
1,3-Dichlorobenzene	VA	4615	10184802
1,3-Dichloropropane	VA	4660	10184802
1,4-Dichlorobenzene	VA	4620	10184802
1,4-Dioxane (1,4-Diethyleneoxide)	VA	4735	10184802
2,2-Dichloropropane	VA	4665	10184802
2-Butanone (Methyl ethyl ketone, MEK)	VA	4410	10184802
2-Chloroethyl vinyl ether	VA	4500	10184802
2-Chlorotoluene	VA	4535	10184802
2-Hexanone (MBK)	VA	4860	10184802
2-Picoline (2-Methylpyridine)	VA	5050	10184802
4-Chlorotoluene	VA	4540	10184802
4-Isopropyltoluene (p-Cymene)	VA	4915	10184802
4-Methyl-2-pentanone (MIBK)	VA	4995	10184802
Acetone (2-Propanone)	VA	4315	10184802
Acetonitrile	VA	4320	10184802
Acrolein (Propenal)	VA	4325	10184802
Acrylonitrile	VA	4340	10184802
Allyl chloride (3-Chloropropene)	VA	4355	10184802
Benzene	VA	4375	10184802
Benzyl chloride	VA	5635	10184802



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**Matrix: Non-Potable Water**

Bromobenzene	VA	4385	10184802
Bromochloromethane	VA	4390	10184802
Bromodichloromethane	VA	4395	10184802
Bromoform	VA	4400	10184802
Carbon disulfide	VA	4450	10184802
Carbon tetrachloride	VA	4455	10184802
Chlorobenzene	VA	4475	10184802
Chlorodibromomethane	VA	4575	10184802
Chloroethane (Ethyl chloride)	VA	4485	10184802
Chloroform	VA	4505	10184802
Chloroprene (2-Chloro-1,3-butadiene)	VA	4525	10184802
cis-1,2-Dichloroethylene	VA	4645	10184802
cis-1,3-Dichloropropene	VA	4680	10184802
cis-1,4-Dichloro-2-butene	VA	4600	10184802
Dibromomethane (Methylene bromide)	VA	4595	10184802
Dichlorodifluoromethane (Freon-12)	VA	4625	10184802
Diethyl ether	VA	4725	10184802
Di-isopropylether (DIPE)	VA	9375	10184802
Ethanol	VA	4750	10184802
Ethyl acetate	VA	4755	10184802
Ethyl methacrylate	VA	4810	10184802
Ethylbenzene	VA	4765	10184802
Ethylene oxide	VA	4795	10184802
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	VA	4770	10184802
Hexachlorobutadiene	VA	4835	10184802
Iodomethane (Methyl iodide)	VA	4870	10184802
Isobutyl alcohol (2-Methyl-1-propanol)	VA	4875	10184802
Isopropyl alcohol (2-Propanol, Isopropanol)	VA	4895	10184802
Isopropylbenzene (Cumene)	VA	4900	10184802
m+p-xylene	VA	5240	10184802



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### Matrix: *Non-Potable Water*

Methacrylonitrile	VA	4925	10184802
Methyl acetate	VA	4940	10184802
Methyl bromide (Bromomethane)	VA	4950	10184802
Methyl chloride (Chloromethane)	VA	4960	10184802
Methyl methacrylate	VA	4990	10184802
Methyl tert-butyl ether (MTBE)	VA	5000	10184802
Methylcyclohexane	VA	4965	10184802
Methylene chloride (Dichloromethane)	VA	4975	10184802
Naphthalene	VA	5005	10184802
n-Butylbenzene	VA	4435	10184802
n-Propylbenzene	VA	5090	10184802
o-Xylene	VA	5250	10184802
Pentachloroethane	VA	5035	10184802
Pentafluorobenzene	VA	5040	10184802
Propionitrile (Ethyl cyanide)	VA	5080	10184802
sec-Butylbenzene	VA	4440	10184802
Styrene	VA	5100	10184802
T-amylmethylether (TAME)	VA	4370	10184802
tert-Butyl alcohol	VA	4420	10184802
tert-Butylbenzene	VA	4445	10184802
Tetrachloroethylene (Perchloroethylene)	VA	5115	10184802
Toluene	VA	5140	10184802
Total trihalomethanes	VA	5205	10184802
trans-1,2-Dichloroethylene	VA	4700	10184802
trans-1,3-Dichloropropylene	VA	4685	10184802
trans-1,4-Dichloro-2-butene	VA	4605	10184802
Trichloroethene (Trichloroethylene)	VA	5170	10184802
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	VA	5175	10184802
Vinyl acetate	VA	5225	10184802
Vinyl chloride	VA	5235	10184802



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

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Issue Date: 5/15/2023

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**Matrix: Non-Potable Water**

Analyte	AB	Analyte ID	Method ID
Xylene (total)	VA	5260	10184802
<b>Method EPA 8270</b>			
1,2,4,5-Tetrachlorobenzene	VA	6715	10186002
1,2,4-Trichlorobenzene	VA	5155	10186002
1,2-Dibromo-3-chloropropane (DBCP)	VA	4570	10186002
1,2-Dichlorobenzene	VA	4610	10186002
1,2-Dinitrobenzene	VA	6155	10186002
1,2-Diphenylhydrazine	VA	6220	10186002
1,3,5-Trinitrobenzene (1,3,5-TNB)	VA	6885	10186002
1,3-Dichlorobenzene	VA	4615	10186002
1,3-Dinitrobenzene (1,3-DNB)	VA	6160	10186002
1,4-Dichlorobenzene	VA	4620	10186002
1,4-Dinitrobenzene	VA	6165	10186002
1,4-Naphthoquinone	VA	6420	10186002
1,4-Phenylenediamine	VA	6630	10186002
1-Chloronaphthalene	VA	5790	10186002
1-Naphthylamine	VA	6425	10186002
2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl)ether)	VA	4659	10186002
2,3,4,6-Tetrachlorophenol	VA	6735	10186002
2,4,5-Trichlorophenol	VA	6835	10186002
2,4,6-Trichlorophenol	VA	6840	10186002
2,4-Dichlorophenol	VA	6000	10186002
2,4-Dimethylphenol	VA	6130	10186002
2,4-Dinitrophenol	VA	6175	10186002
2,4-Dinitrotoluene (2,4-DNT)	VA	6185	10186002
2,6-Dichlorophenol	VA	6005	10186002
2,6-Dinitrotoluene (2,6-DNT)	VA	6190	10186002
2-Acetylamino fluorene	VA	5515	10186002
2-Chloronaphthalene	VA	5795	10186002



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### Matrix: *Non-Potable Water*

2-Chlorophenol	VA	5800	10186002
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	VA	6360	10186002
2-Methylaniline (o-Toluidine)	VA	5145	10186002
2-Methylnaphthalene	VA	6385	10186002
2-Methylphenol (o-Cresol)	VA	6400	10186002
2-Naphthylamine	VA	6430	10186002
2-Nitroaniline	VA	6460	10186002
2-Nitrophenol	VA	6490	10186002
2-Picoline (2-Methylpyridine)	VA	5050	10186002
3,3'-Dichlorobenzidine	VA	5945	10186002
3,3'-Dimethylbenzidine	VA	6120	10186002
3-Methylcholanthrene	VA	6355	10186002
3-Methylphenol (m-Cresol)	VA	6405	10186002
3-Nitroaniline	VA	6465	10186002
4,4'-Methylenebis(2-chloroaniline)	VA	6365	10186002
4,4'-Methylenebis(n,n-dimethylaniline)	VA	6370	10186002
4-Aminobiphenyl	VA	5540	10186002
4-Bromophenyl phenyl ether (BDE-3)	VA	5660	10186002
4-Chloro-3-methylphenol	VA	5700	10186002
4-Chloroaniline	VA	5745	10186002
4-Chlorophenyl phenylether	VA	5825	10186002
4-Dimethyl aminoazobenzene	VA	6105	10186002
4-Methylphenol (p-Cresol)	VA	6410	10186002
4-Nitroaniline	VA	6470	10186002
4-Nitrophenol	VA	6500	10186002
4-Nitroquinoline-1-oxide	VA	6510	10186002
5-Nitro-o-toluidine	VA	6570	10186002
7,12-Dimethylbenz(a) anthracene	VA	6115	10186002
a-a-Dimethylphenethylamine	VA	6125	10186002
Acenaphthene	VA	5500	10186002



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**Matrix: Non-Potable Water**

Acenaphthylene	VA	5505	10186002
Acetophenone	VA	5510	10186002
Aniline	VA	5545	10186002
Anthracene	VA	5555	10186002
Aramite	VA	5560	10186002
Atrazine	VA	7065	10186002
Azinphos-methyl (Guthion)	VA	7075	10186002
Azobenzene	VA	5562	10186002
Benzidine	VA	5595	10186002
Benzo(a)anthracene	VA	5575	10186002
Benzo(a)pyrene	VA	5580	10186002
Benzo(b)fluoranthene	VA	5585	10186002
Benzo(g,h,i)perylene	VA	5590	10186002
Benzo(k)fluoranthene	VA	5600	10186002
Benzoic acid	VA	5610	10186002
Benzyl alcohol	VA	5630	10186002
Biphenyl	VA	5640	10186002
bis(2-Chloroethoxy)methane	VA	5760	10186002
bis(2-Chloroethyl) ether	VA	5765	10186002
bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP)	VA	6065	10186002
Butyl benzyl phthalate	VA	5670	10186002
Caprolactam	VA	7180	10186002
Carbazole	VA	5680	10186002
Chlorobenzilate	VA	7260	10186002
Chrysene	VA	5855	10186002
Diallate	VA	7405	10186002
Dibenz(a,h) anthracene	VA	5895	10186002
Dibenz(a,j) acridine	VA	5900	10186002
Dibenzofuran	VA	5905	10186002
Diethyl phthalate	VA	6070	10186002





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### Matrix: *Non-Potable Water*

Dimethoate	VA	7475	10186002
Dimethyl phthalate	VA	6135	10186002
Di-n-butyl phthalate	VA	5925	10186002
Di-n-octyl phthalate	VA	6200	10186002
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	VA	8620	10186002
Diphenylamine	VA	6205	10186002
Disulfoton	VA	8625	10186002
Ethyl methanesulfonate	VA	6260	10186002
Famphur	VA	7580	10186002
Fluoranthene	VA	6265	10186002
Fluorene	VA	6270	10186002
Hexachlorobutadiene	VA	4835	10186002
Hexachlorocyclopentadiene	VA	6285	10186002
Hexachloroethane	VA	4840	10186002
Hexachlorophene	VA	6290	10186002
Hexachloropropene	VA	6295	10186002
Indeno(1,2,3-cd) pyrene	VA	6315	10186002
Isodrin	VA	7725	10186002
Isophorone	VA	6320	10186002
Isosafrole	VA	6325	10186002
Kepone	VA	7740	10186002
Malathion	VA	7770	10186002
Methapyrilene	VA	6345	10186002
Methyl methanesulfonate	VA	6375	10186002
Methyl parathion (Parathion, methyl)	VA	7825	10186002
Naphthalene	VA	5005	10186002
Nicotine	VA	6450	10186002
Nitrobenzene	VA	5015	10186002
n-Nitrosodiethylamine	VA	6525	10186002
n-Nitrosodimethylamine	VA	6530	10186002



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### Matrix: *Non-Potable Water*

n-Nitrosodi-n-butylamine	VA	5025	10186002
n-Nitrosodi-n-propylamine	VA	6545	10186002
n-Nitrosodiphenylamine	VA	6535	10186002
n-Nitrosomethylethylamine	VA	6550	10186002
n-Nitrosomorpholine	VA	6555	10186002
n-Nitrosopiperidine	VA	6560	10186002
n-Nitrosopyrrolidine	VA	6565	10186002
o,o,o-Triethyl phosphorothioate	VA	8290	10186002
Parathion, ethyl	VA	7955	10186002
Pentachlorobenzene	VA	6590	10186002
Pentachloronitrobenzene (PCNB)	VA	6600	10186002
Pentachlorophenol	VA	6605	10186002
Phenacetin	VA	6610	10186002
Phenanthrene	VA	6615	10186002
Phenol	VA	6625	10186002
Phorate	VA	7985	10186002
Pronamide (Kerb)	VA	6650	10186002
Pyrene	VA	6665	10186002
Pyridine	VA	5095	10186002
Safrole	VA	6685	10186002
Thionazin (Zinophos)	VA	8235	10186002



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### Matrix: *Solid & Chemical Materials*

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Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	VA	1000	10155905
Antimony	VA	1005	10155905
Arsenic	VA	1010	10155905
Barium	VA	1015	10155905
Beryllium	VA	1020	10155905
Boron	VA	1025	10155905
Cadmium	VA	1030	10155905
Calcium	VA	1035	10155905
Chromium	VA	1040	10155905
Cobalt	VA	1050	10155905
Copper	VA	1055	10155905
Iron	VA	1070	10155905
Lead	VA	1075	10155905
Magnesium	VA	1085	10155905
Manganese	VA	1090	10155905
Molybdenum	VA	1100	10155905
Nickel	VA	1105	10155905
Potassium	VA	1125	10155905
Selenium	VA	1140	10155905
Silica as SiO2	VA	1990	10155905
Silver	VA	1150	10155905
Sodium	VA	1155	10155905
Strontium	VA	1160	10155905
Thallium	VA	1165	10155905
Tin	VA	1175	10155905
Titanium	VA	1180	10155905
Vanadium	VA	1185	10155905
Zinc	VA	1190	10155905



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**Matrix: Solid & Chemical Materials**

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**Method EPA 6020**

Analyte	AB	Analyte ID	Method ID
Antimony	VA	1005	10156419
Arsenic	VA	1010	10156419
Barium	VA	1015	10156419
Beryllium	VA	1020	10156419
Cadmium	VA	1030	10156419
Chromium	VA	1040	10156419
Cobalt	VA	1050	10156419
Copper	VA	1055	10156419
Lead	VA	1075	10156419
Manganese	VA	1090	10156419
Molybdenum	VA	1100	10156419
Nickel	VA	1105	10156419
Selenium	VA	1140	10156419
Silver	VA	1150	10156419
Thallium	VA	1165	10156419
Vanadium	VA	1185	10156419
Zinc	VA	1190	10156419

**Method EPA 7471**

Analyte	AB	Analyte ID	Method ID
Mercury	VA	1095	10166457

**Method EPA 8015**

Analyte	AB	Analyte ID	Method ID
Diesel range organics (DRO)	VA	9369	10173816
Gasoline range organics (GRO)	VA	9408	10173816

**Method EPA 8021**

Analyte	AB	Analyte ID	Method ID
Benzene	VA	4375	10174808
Ethylbenzene	VA	4765	10174808
m+p-xylene	VA	5240	10174808



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**Matrix: Solid & Chemical Materials**

Methyl tert-butyl ether (MTBE)	VA	5000	10174808
Naphthalene	VA	5005	10174808
o-Xylene	VA	5250	10174808
Toluene	VA	5140	10174808
Xylene (total)	VA	5260	10174808

**Method EPA 8081**

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	VA	7355	10178800
4,4'-DDE	VA	7360	10178800
4,4'-DDT	VA	7365	10178800
Aldrin	VA	7025	10178800
alpha-BHC (alpha-Hexachlorocyclohexane)	VA	7110	10178800
alpha-Chlordane	VA	7240	10178800
beta-BHC (beta-Hexachlorocyclohexane)	VA	7115	10178800
Chlordane (tech.)	VA	7250	10178800
Dacthal (DCPA)	VA	8550	10178800
delta-BHC (delta-Hexachlorocyclohexane)	VA	7105	10178800
Dieldrin	VA	7470	10178800
Endosulfan I	VA	7510	10178800
Endosulfan II	VA	7515	10178800
Endosulfan sulfate	VA	7520	10178800
Endrin	VA	7540	10178800
Endrin aldehyde	VA	7530	10178800
Endrin ketone	VA	7535	10178800
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	VA	7120	10178800
gamma-Chlordane	VA	7245	10178800
Heptachlor	VA	7685	10178800
Heptachlor epoxide	VA	7690	10178800
Methoxychlor	VA	7810	10178800
Mirex	VA	7870	10178800



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**Matrix: Solid & Chemical Materials**

Toxaphene (Chlorinated camphene)	VA	8250	10178800
<b>Method EPA 8082</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Aroclor-1016 (PCB-1016)	VA	8880	10179201
Aroclor-1221 (PCB-1221)	VA	8885	10179201
Aroclor-1232 (PCB-1232)	VA	8890	10179201
Aroclor-1242 (PCB-1242)	VA	8895	10179201
Aroclor-1248 (PCB-1248)	VA	8900	10179201
Aroclor-1254 (PCB-1254)	VA	8905	10179201
Aroclor-1260 (PCB-1260)	VA	8910	10179201
<b>Method EPA 8141</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Azinphos-methyl (Guthion)	VA	7075	10182204
Chlorpyrifos (Dursban)	VA	7300	10182204
Demeton	VA	7390	10182204
Demeton-o	VA	7395	10182204
Demeton-s	VA	7385	10182204
Diazinon	VA	7410	10182204
Dimethoate	VA	7475	10182204
Disulfoton	VA	8625	10182204
Ethion	VA	7565	10182204
Malathion	VA	7770	10182204
Methyl parathion (Parathion, methyl)	VA	7825	10182204
Parathion, ethyl	VA	7955	10182204
Phorate	VA	7985	10182204
<b>Method EPA 8151</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
2,4,5-T	VA	8655	10183207
2,4-D	VA	8545	10183207
2,4-DB	VA	8560	10183207
3,5-Dichlorobenzoic acid	VA	8600	10183207



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**Matrix: Solid & Chemical Materials**

4-Nitrophenol	VA	6500	10183207
Acifluorfen	VA	8505	10183207
Bentazon	VA	8530	10183207
Chloramben	VA	8540	10183207
Dacthal (DCPA)	VA	8550	10183207
Dalapon	VA	8555	10183207
Dicamba	VA	8595	10183207
Dichloroprop (Dichloroprop, Weedone)	VA	8605	10183207
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	VA	8620	10183207
MCPA	VA	7775	10183207
MCPP	VA	7780	10183207
Pentachlorophenol	VA	6605	10183207
Picloram	VA	8645	10183207
Silvex (2,4,5-TP)	VA	8650	10183207

**Method EPA 8260**

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	VA	5105	10184802
1,1,1-Trichloroethane	VA	5160	10184802
1,1,2,2-Tetrachloroethane	VA	5110	10184802
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA	5185	10184802
1,1,2-Trichloroethane	VA	5165	10184802
1,1-Dichloroethane	VA	4630	10184802
1,1-Dichloroethylene	VA	4640	10184802
1,1-Dichloropropene	VA	4670	10184802
1,2,3-Trichlorobenzene	VA	5150	10184802
1,2,3-Trichloropropane	VA	5180	10184802
1,2,4-Trichlorobenzene	VA	5155	10184802
1,2,4-Trimethylbenzene	VA	5210	10184802
1,2-Dibromo-3-chloropropane (DBCP)	VA	4570	10184802
1,2-Dibromoethane (EDB, Ethylene dibromide)	VA	4585	10184802



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**Matrix: Solid & Chemical Materials**

1,2-Dichlorobenzene	VA	4610	10184802
1,2-Dichloroethane (Ethylene dichloride)	VA	4635	10184802
1,2-Dichloropropane	VA	4655	10184802
1,3,5-Trimethylbenzene	VA	5215	10184802
1,3-Dichlorobenzene	VA	4615	10184802
1,3-Dichloropropane	VA	4660	10184802
1,4-Dichlorobenzene	VA	4620	10184802
1,4-Dioxane (1,4-Diethyleneoxide)	VA	4735	10184802
2,2-Dichloropropane	VA	4665	10184802
2-Butanone (Methyl ethyl ketone, MEK)	VA	4410	10184802
2-Chlorotoluene	VA	4535	10184802
2-Hexanone (MBK)	VA	4860	10184802
4-Chlorotoluene	VA	4540	10184802
4-Isopropyltoluene (p-Cymene)	VA	4915	10184802
4-Methyl-2-pentanone (MIBK)	VA	4995	10184802
Acetone (2-Propanone)	VA	4315	10184802
Acetonitrile	VA	4320	10184802
Acrolein (Propenal)	VA	4325	10184802
Acrylonitrile	VA	4340	10184802
Allyl chloride (3-Chloropropene)	VA	4355	10184802
Benzene	VA	4375	10184802
Bromobenzene	VA	4385	10184802
Bromochloromethane	VA	4390	10184802
Bromodichloromethane	VA	4395	10184802
Bromoform	VA	4400	10184802
Carbon disulfide	VA	4450	10184802
Carbon tetrachloride	VA	4455	10184802
Chlorobenzene	VA	4475	10184802
Chlorodibromomethane	VA	4575	10184802
Chloroethane (Ethyl chloride)	VA	4485	10184802





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**Matrix: Solid & Chemical Materials**

Chloroform	VA	4505	10184802
Chloroprene (2-Chloro-1,3-butadiene)	VA	4525	10184802
cis-1,2-Dichloroethylene	VA	4645	10184802
cis-1,3-Dichloropropene	VA	4680	10184802
Dibromofluoromethane	VA	4590	10184802
Dibromomethane (Methylene bromide)	VA	4595	10184802
Dichlorodifluoromethane (Freon-12)	VA	4625	10184802
Ethanol	VA	4750	10184802
Ethyl methacrylate	VA	4810	10184802
Ethylbenzene	VA	4765	10184802
Hexachlorobutadiene	VA	4835	10184802
Iodomethane (Methyl iodide)	VA	4870	10184802
Isobutyl alcohol (2-Methyl-1-propanol)	VA	4875	10184802
Isopropylbenzene (Cumene)	VA	4900	10184802
m+p-xylene	VA	5240	10184802
Methacrylonitrile	VA	4925	10184802
Methyl acetate	VA	4940	10184802
Methyl bromide (Bromomethane)	VA	4950	10184802
Methyl chloride (Chloromethane)	VA	4960	10184802
Methyl methacrylate	VA	4990	10184802
Methyl tert-butyl ether (MTBE)	VA	5000	10184802
Methylcyclohexane	VA	4965	10184802
Methylene chloride (Dichloromethane)	VA	4975	10184802
Naphthalene	VA	5005	10184802
n-Butylbenzene	VA	4435	10184802
n-Propylbenzene	VA	5090	10184802
o-Xylene	VA	5250	10184802
Pentachloroethane	VA	5035	10184802
Pentafluorobenzene	VA	5040	10184802
Styrene	VA	5100	10184802



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

Enthalpy Analytical, LLC - Virginia

1941 Reymet Road  
Richmond, VA 23237

Certificate: T104704576-23-1  
Expiration Date: 5/31/2024  
Issue Date: 5/15/2023

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**Matrix: Solid & Chemical Materials**

tert-Butyl alcohol	VA	4420	10184802
tert-Butylbenzene	VA	4445	10184802
Tetrachloroethylene (Perchloroethylene)	VA	5115	10184802
Toluene	VA	5140	10184802
trans-1,2-Dichloroethylene	VA	4700	10184802
trans-1,3-Dichloropropylene	VA	4685	10184802
trans-1,4-Dichloro-2-butene	VA	4605	10184802
Trichloroethene (Trichloroethylene)	VA	5170	10184802
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	VA	5175	10184802
Vinyl acetate	VA	5225	10184802
Vinyl chloride	VA	5235	10184802
Xylene (total)	VA	5260	10184802

**Method EPA 8270**

Analyte	AB	Analyte ID	Method ID
1,2,4,5-Tetrachlorobenzene	VA	6715	10186002
1,2,4-Trichlorobenzene	VA	5155	10186002
1,2-Dichlorobenzene	VA	4610	10186002
1,2-Dinitrobenzene	VA	6155	10186002
1,2-Diphenylhydrazine	VA	6220	10186002
1,3,5-Trinitrobenzene (1,3,5-TNB)	VA	6885	10186002
1,3-Dichlorobenzene	VA	4615	10186002
1,3-Dinitrobenzene (1,3-DNB)	VA	6160	10186002
1,4-Dichlorobenzene	VA	4620	10186002
1,4-Dinitrobenzene	VA	6165	10186002
1,4-Naphthoquinone	VA	6420	10186002
1,4-Phenylenediamine	VA	6630	10186002
1-Chloronaphthalene	VA	5790	10186002
1-Naphthylamine	VA	6425	10186002
2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl)ether)	VA	4659	10186002
2,3,4,6-Tetrachlorophenol	VA	6735	10186002



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**Matrix: Solid & Chemical Materials**

2,4,5-Trichlorophenol	VA	6835	10186002
2,4,5-Trimethylaniline	VA	6880	10186002
2,4,6-Trichlorophenol	VA	6840	10186002
2,4-Dichlorophenol	VA	6000	10186002
2,4-Dimethylphenol	VA	6130	10186002
2,4-Dinitrophenol	VA	6175	10186002
2,4-Dinitrotoluene (2,4-DNT)	VA	6185	10186002
2,6-Dichlorophenol	VA	6005	10186002
2,6-Dinitrotoluene (2,6-DNT)	VA	6190	10186002
2-Acetylaminofluorene	VA	5515	10186002
2-Chloronaphthalene	VA	5795	10186002
2-Chlorophenol	VA	5800	10186002
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	VA	6360	10186002
2-Methylaniline (o-Toluidine)	VA	5145	10186002
2-Methylnaphthalene	VA	6385	10186002
2-Methylphenol (o-Cresol)	VA	6400	10186002
2-Naphthylamine	VA	6430	10186002
2-Nitroaniline	VA	6460	10186002
2-Nitrophenol	VA	6490	10186002
2-Picoline (2-Methylpyridine)	VA	5050	10186002
3,3'-Dichlorobenzidine	VA	5945	10186002
3,3'-Dimethylbenzidine	VA	6120	10186002
3-Methylcholanthrene	VA	6355	10186002
3-Methylphenol (m-Cresol)	VA	6405	10186002
3-Nitroaniline	VA	6465	10186002
4,4'-Methylenebis(2-chloroaniline)	VA	6365	10186002
4-Aminobiphenyl	VA	5540	10186002
4-Bromophenyl phenyl ether (BDE-3)	VA	5660	10186002
4-Chloro-3-methylphenol	VA	5700	10186002
4-Chloroaniline	VA	5745	10186002



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**Matrix: Solid & Chemical Materials**

4-Chlorophenyl phenylether	VA	5825	10186002
4-Dimethyl aminoazobenzene	VA	6105	10186002
4-Methylphenol (p-Cresol)	VA	6410	10186002
4-Nitroaniline	VA	6470	10186002
4-Nitrophenol	VA	6500	10186002
4-Nitroquinoline-1-oxide	VA	6510	10186002
5-Nitro-o-toluidine	VA	6570	10186002
7,12-Dimethylbenz(a) anthracene	VA	6115	10186002
Acenaphthene	VA	5500	10186002
Acenaphthylene	VA	5505	10186002
Acetophenone	VA	5510	10186002
Aminoazobenzene	VA	5535	10186002
Aniline	VA	5545	10186002
Anthracene	VA	5555	10186002
Aramite	VA	5560	10186002
Atrazine	VA	7065	10186002
Azobenzene	VA	5562	10186002
Benzidine	VA	5595	10186002
Benzo(a)anthracene	VA	5575	10186002
Benzo(a)pyrene	VA	5580	10186002
Benzo(b)fluoranthene	VA	5585	10186002
Benzo(g,h,i)perylene	VA	5590	10186002
Benzo(k)fluoranthene	VA	5600	10186002
Benzoic acid	VA	5610	10186002
Benzyl alcohol	VA	5630	10186002
Biphenyl	VA	5640	10186002
bis(2-Chloroethoxy)methane	VA	5760	10186002
bis(2-Chloroethyl) ether	VA	5765	10186002
bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP)	VA	6065	10186002
Butyl benzyl phthalate	VA	5670	10186002



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**Matrix: Solid & Chemical Materials**

Caprolactam	VA	7180	10186002
Carbazole	VA	5680	10186002
Carbofuran (Furaden)	VA	7205	10186002
Chlorobenzilate	VA	7260	10186002
Chrysene	VA	5855	10186002
Diallate	VA	7405	10186002
Dibenz(a,h) anthracene	VA	5895	10186002
Dibenz(a,j) acridine	VA	5900	10186002
Dibenzofuran	VA	5905	10186002
Diethyl phthalate	VA	6070	10186002
Dimethoate	VA	7475	10186002
Dimethyl phthalate	VA	6135	10186002
Di-n-butyl phthalate	VA	5925	10186002
Di-n-octyl phthalate	VA	6200	10186002
Diphenylamine	VA	6205	10186002
Disulfoton	VA	8625	10186002
Ethyl methanesulfonate	VA	6260	10186002
Famphur	VA	7580	10186002
Fluoranthene	VA	6265	10186002
Fluorene	VA	6270	10186002
Hexachlorobenzene	VA	6275	10186002
Hexachlorobutadiene	VA	4835	10186002
Hexachlorocyclopentadiene	VA	6285	10186002
Hexachloroethane	VA	4840	10186002
Hexachlorophene	VA	6290	10186002
Hexachloropropene	VA	6295	10186002
Indeno(1,2,3-cd) pyrene	VA	6315	10186002
Isodrin	VA	7725	10186002
Isophorone	VA	6320	10186002
Isosafrole	VA	6325	10186002



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**Matrix: Solid & Chemical Materials**

Kepone	VA	7740	10186002
Malathion	VA	7770	10186002
Methapyrilene	VA	6345	10186002
Methyl methanesulfonate	VA	6375	10186002
Methyl parathion (Parathion, methyl)	VA	7825	10186002
Naphthalene	VA	5005	10186002
Nicotine	VA	6450	10186002
Nitrobenzene	VA	5015	10186002
n-Nitrosodiethylamine	VA	6525	10186002
n-Nitrosodimethylamine	VA	6530	10186002
n-Nitrosodi-n-butylamine	VA	5025	10186002
n-Nitrosodi-n-propylamine	VA	6545	10186002
n-Nitrosodiphenylamine	VA	6535	10186002
n-Nitrosomethylethylamine	VA	6550	10186002
n-Nitrosomorpholine	VA	6555	10186002
n-Nitrosopiperidine	VA	6560	10186002
n-Nitrosopyrrolidine	VA	6565	10186002
o,o,o-Triethyl phosphorothioate	VA	8290	10186002
Parathion, ethyl	VA	7955	10186002
Pentachlorobenzene	VA	6590	10186002
Pentachlorophenol	VA	6605	10186002
Phenacetin	VA	6610	10186002
Phenanthrene	VA	6615	10186002
Phenol	VA	6625	10186002
Phorate	VA	7985	10186002
Pronamide (Kerb)	VA	6650	10186002
Pyrene	VA	6665	10186002
Pyridine	VA	5095	10186002
Safrole	VA	6685	10186002
Thionazin (Zinophos)	VA	8235	10186002