



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc.
has assessed the Organization of:

***Absolute Resource Associates
124 Heritage Ave. Unit 16, Portsmouth, NH 03801***

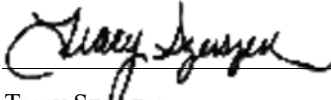
(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of ISO/IEC 17025:2017 General Requirements for the competence of Testing and Calibration Laboratories and the United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP) requirements identified within the DoD/DOE Quality Systems Manual (DoD/DOE QSM) Version 5.4 October 2021 and is accredited in accordance with the:

United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP)

This accreditation demonstrates the technical competence for the defined scope and the operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Environmental Testing (As detailed in the supplement)

Accreditation claims for such activities shall only be made from the addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation Body's duty to observe and comply with the said rules.

For PJLA	<i>Initial Accreditation Date:</i> May 12, 2014	<i>Issue Date:</i> May 06, 2021	<i>Expiration Date:</i> July 31, 2023
 Tracy Szorszen President		<i>Revision Date:</i> May 25, 2022	
	<i>Accreditation No.:</i> 78237	<i>Certificate No.:</i> L21-300-R1	

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjllabs.com



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

General Chemistry

SM 2540B (2011) by Gravimetry 20049416

Solid
Solids (Total, TS) 1950

SM 2540G (2011) by Gravimetry 20049416

Solid
Solids (Total Fixed and Volatile, TS) 1950

Inorganic

EPA 6020A by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) 10156419

Aqueous

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



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6020A by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)	10156419
Solid	
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190
EPA 7470A by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10165807
Aqueous	
Mercury	1095
EPA 7471B by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10166457
Solid	
Mercury	1095
SM 2340B (2011) by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)	20046611
Aqueous	
Hardness (by Calculation)	1760



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 524.2 by Gas Chromatography Mass Spectrometry (GC/MS)

10088809

Drinking Water

1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloroethane	5165
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670
1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
2,2-Dichloropropane	4665
2-Chlorotoluene	4535
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
Benzene	4375
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Carbon Tetrachloride	4455
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 524.2 by Gas Chromatography Mass Spectrometry (GC/MS) 10088809

Drinking Water

Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Di-Isopropylether (DIPE)	9375
Ethyl tert-Butyl Ether (ETBE, 2-Ethoxy-2-Methylpropane)	4770
Ethylbenzene	4765
Hexachlorobutadiene	4835
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl tert Butyl Ether (MTBE)	5000
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
sec-Butylbenzene	4440
Styrene	5100
tert-Amyl Methyl Ether (TAME)	4370
tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol)	4420
tert-Butylbenzene	4445
Tetrachloroethylene (Perchloroethylene, PCE)	5115
Toluene	5140
Total Trihalomethanes (TTHMs)	5205
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260

EPA 8015D by Gas Chromatography Flame Ionization Detection (GC/FID) 10305609

Aqueous

Total Petroleum Hydrocarbons Diesel Range Organics (TPH DRO)	9369
Total Petroleum Hydrocarbons Gasoline Range Organics (TPH GRO)	9408

Solid

Total Petroleum Hydrocarbons Diesel Range Organics (TPH DRO)	9369
--	------



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8015D by Gas Chromatography Flame Ionization Detection (GC/FID) 10305609

Solid
Total Petroleum Hydrocarbons Gasoline Range Organics (TPH GRO) 9408

EPA 8081B by Gas Chromatography Electron Capture Detector (GC/ECD) 10178800

Aqueous
4,4'-DDD 7355

4,4'-DDE 7360

4,4'-DDT 7365

Aldrin 7025

alpha-BHC (a-BHC, alpha-Hexachlorocyclohexane) 7110

alpha-Chlordane (cis-Chlordane) 7240

beta-BHC (b-BHC, beta-Hexachlorocyclohexane) 7115

delta-BHC (d-BHC) 7105

Dieldrin 7470

Endosulfan I 7510

Endosulfan II 7515

Endosulfan Sulfate 7520

Endrin 7540

Endrin Aldehyde 7530

Endrin Ketone 7535

gamma-BHC (γ -BHC, Lindane) 7120

gamma-Chlordane 7245

Heptachlor 7685

Heptachlor Epoxide 7690

Methoxychlor 7810

Solid
4,4'-DDD 7355

4,4'-DDE 7360

4,4'-DDT 7365

Aldrin 7025

alpha-BHC (a-BHC, alpha-Hexachlorocyclohexane) 7110

alpha-Chlordane (cis-Chlordane) 7240

beta-BHC (b-BHC, beta-Hexachlorocyclohexane) 7115

delta-BHC (d-BHC) 7105

Dieldrin 7470

Endosulfan I 7510

Endosulfan II 7515

Endosulfan Sulfate 7520



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801

Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8081B by Gas Chromatography Electron Capture Detector (GC/ECD) 10178800

Solid	
Endrin	7540
Endrin Aldehyde	7530
Endrin Ketone	7535
gamma-BHC (γ -BHC, Lindane)	7120
gamma-Chlordane	7245
Heptachlor	7685
Heptachlor Epoxide	7690
Methoxychlor	7810

EPA 8082A by Gas Chromatography Electron Capture Detector (GC/ECD) 10179201

Aqueous	
Aroclor 1016	8880
Aroclor 1016/1242 (Coelution)	8879
Aroclor 1221	8885
Aroclor 1232	8890
Aroclor 1242	8895
Aroclor 1248	8900
Aroclor 1254	8905
Aroclor 1260	8910

Solid	
Aroclor 1016	8880
Aroclor 1016/1242 (Coelution)	8879
Aroclor 1221	8885
Aroclor 1232	8890
Aroclor 1242	8895
Aroclor 1248	8900
Aroclor 1254	8905
Aroclor 1260	8910

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS) 10307127

Aqueous	
1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloroethane	5165
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)

10307127

Aqueous

1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether (2-CEVE)	4500
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Benzene	4375
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Dibromomethane (Methylene Bromide)	4595



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801

Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)

10307127

Aqueous

Dichlorodifluoromethane (Freon 12) 4625

Di-Isopropylether (DIPE) 9375

Ethyl tert-Butyl Ether (ETBE, 2-Ethoxy-2-Methylpropane) 4770

Ethylbenzene 4765

Hexachlorobutadiene 4835

Isopropylbenzene (Cumene) 4900

m,p-Xylene 5240

Methyl Bromide (Bromomethane) 4950

Methyl Chloride (Chloromethane) 4960

Methyl tert Butyl Ether (MTBE) 5000

Methylene Chloride (Dichloromethane) 4975

Naphthalene 5005

n-Butylbenzene 4435

n-Propylbenzene (1-phenylpropane) 5090

o-Xylene (1,2-Xylene) 5250

sec-Butylbenzene 4440

Styrene 5100

tert-Amyl Methyl Ether (TAME) 4370

tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol) 4420

tert-Butylbenzene 4445

Tetrachloroethylene (Perchloroethylene, PCE) 5115

Toluene 5140

trans-1,2-Dichloroethylene 4700

trans-1,3-Dichloropropylene 4685

Trichloroethene (TCE, Trichloroethylene) 5170

Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) 5175

Vinyl Chloride (Chloroethene) 5235

Xylenes (Total) 5260

Solid

1,1,1,2-Tetrachloroethane 5105

1,1,1-Trichloroethane 5160

1,1,2,2-Tetrachloroethane 5110

1,1,2-Trichloroethane 5165

1,1-Dichloroethane 4630

1,1-Dichloroethylene 4640

1,1-Dichloropropene 4670



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic	
EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)	10307127
Solid	
1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether (2-CEVE)	4500
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Benzene	4375
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Dibromomethane (Methylene Bromide)	4595



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)

10307127

Solid

Dichlorodifluoromethane (Freon 12)	4625
Di-Isopropylether (DIPE)	9375
Ethylbenzene	4765
Hexachlorobutadiene	4835
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl tert Butyl Ether (MTBE)	5000
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
sec-Butylbenzene	4440
Styrene	5100
tert-Amyl Methyl Ether (TAME)	4370
tert-Butylbenzene	4445
Tetrachloroethylene (Perchloroethylene, PCE)	5115
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)

10242543

Aqueous

1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
2,2'-Oxybis(1-Chloropropane)	4659
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)

10242543

Aqueous

2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylphenol (o-Cresol)	6400
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Methylphenol (p-Cresol, as 3,4-Methylphenol)	6410
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505
Aniline	5545
Anthracene	5555
Benzidine	5595
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
bis(2-Chloroethoxy)Methane	5760
bis(2-Chloroethyl)Ether	5765
bis(2-Ethylhexyl)Phthalate (DEHP, as di(2-ethylhexyl) phthalate)	6065
Butyl Benzyl Phthalate	5670
Carbazole	5680



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS) 10242543

Aqueous

Chrysene	5855
Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethyl Phthalate	6135
di-n-Butyl Phthalate	5925
di-n-Octyl Phthalate	6200
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)Pyrene	6315
Isophorone	6320
Naphthalene	5005
Nitrobenzene	5015
n-Nitrosodimethylamine	6530
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095

Solid

1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
2,2'-Oxybis(1-Chloropropane)	4659
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801

Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)

10242543

Solid

2,4-Dinitrotoluene (2,4-DNT) 6185

2,6-Dinitrotoluene (2,6-DNT) 6190

2-Chloronaphthalene 5795

2-Chlorophenol 5800

2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol) 6360

2-Methylnaphthalene 6385

2-Methylphenol (o-Cresol) 6400

2-Nitroaniline 6460

2-Nitrophenol 6490

3,3'-Dichlorobenzidine 5945

3-Nitroaniline 6465

4-Bromophenyl Phenyl Ether (BDE-3) 5660

4-Chloro-3-Methylphenol 5700

4-Chloroaniline 5745

4-Chlorophenyl Phenylether 5825

4-Methylphenol (p-Cresol, as 3,4-Methylphenol) 6410

4-Nitroaniline 6470

4-Nitrophenol 6500

Acenaphthene 5500

Acenaphthylene 5505

Aniline 5545

Anthracene 5555

Benzidine 5595

Benzo(a)Anthracene 5575

Benzo(a)Pyrene 5580

Benzo(b)Fluoranthene 5585

Benzo(g,h,i)Perylene 5590

Benzo(k)Fluoranthene 5600

Benzoic Acid 5610

Benzyl Alcohol 5630

bis(2-Chloroethoxy)Methane 5760

bis(2-Chloroethyl)Ether 5765

bis(2-Ethylhexyl)Phthalate (DEHP, as di(2-ethylhexyl) phthalate) 6065

Butyl Benzyl Phthalate 5670

Carbazole 5680

Chrysene 5855



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)	10242543
Solid	
Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethyl Phthalate	6135
di-n-Butyl Phthalate	5925
di-n-Octyl Phthalate	6200
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)Pyrene	6315
Isophorone	6320
Naphthalene	5005
Nitrobenzene	5015
n-Nitrosodimethylamine	6530
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095
EPA 8270E SIM by Gas Chromatography Mass Spectrometry (GC/MS) Selective Ion Monitoring (SIM)	10242565
Aqueous	
2-Methylnaphthalene	6385
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600
Chrysene	5855



Certificate of Accreditation: Supplement

Absolute Resource Associates
124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E SIM by Gas Chromatography Mass Spectrometry (GC/MS) Selective Ion Monitoring (SIM) 10242565

Aqueous

Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905
Fluoranthene	6265
Fluorene	6270
Indeno(1,2,3,cd)Pyrene	6315
Naphthalene	5005
Phenanthrene	6615

Solid

2-Methylnaphthalene	6385
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600
Chrysene	5855
Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905
Fluoranthene	6265
Fluorene	6270
Indeno(1,2,3,cd)Pyrene	6315
Naphthalene	5005
Phenanthrene	6615

MADEP EPH by Gas Chromatography Flame Ionization Detection (GC/FID) 90017246

Aqueous

2-Methylnaphthalene	6385
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600



Certificate of Accreditation: Supplement

Absolute Resource Associates

124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

MADEP EPH by Gas Chromatography Flame Ionization Detection (GC/FID)	90017246
Aqueous	
Chrysene	5855
Dibenz(a,h)Anthracene	5895
Extractable Petroleum Hydrocarbons (EPH) (Aliphatic C19-C36)	6218
Extractable Petroleum Hydrocarbons (EPH) (Aliphatic C9-C18)	6222
Extractable Petroleum Hydrocarbons (EPH) (Aromatic C11-C22)	6232
Fluoranthene	6265
Fluorene	6270
Indeno(1,2,3,cd)Pyrene	6315
Naphthalene	5005
Phenanthrene	6615
Pyrene	6665
Solid	
2-Methylnaphthalene	6385
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600
Chrysene	5855
Dibenz(a,h)Anthracene	5895
Extractable Petroleum Hydrocarbons (EPH) (Aliphatic C19-C36)	6218
Extractable Petroleum Hydrocarbons (EPH) (Aliphatic C9-C18)	6222
Extractable Petroleum Hydrocarbons (EPH) (Aromatic C11-C22)	6232
Fluoranthene	6265
Fluorene	6270
Indeno(1,2,3,cd)Pyrene	6315
Naphthalene	5005
Phenanthrene	6615
Pyrene	6665
MADEP VPH by Gas Chromatography Flame Ionization Photoionization Detection (GC/FID/PID)	90017451
Aqueous	
Benzene	4375
Ethylbenzene	4765



Certificate of Accreditation: Supplement

Absolute Resource Associates
 124 Heritage Ave. Unit 16, Portsmouth, NH 03801
 Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Organic

MADEP VPH by Gas Chromatography Flame Ionization Photoionization Detection (GC/FID/PID)	90017451
Aqueous	
m,p-Xylene	5240
Methyl tert Butyl Ether (MTBE)	5000
Naphthalene	5005
o-Xylene (1,2-Xylene)	5250
Toluene	5140
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C5-C8 Unadjusted)	5305
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C5-C8)	5304
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C9-C12 Unadjusted)	5307
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C9-C12)	5306
Volatile Petroleum Hydrocarbons (VPH) (Aromatic C9-C10)	5311
Xylenes (total)	5260
Solid	
Benzene	4375
Ethylbenzene	4765
m,p-Xylene	5240
Methyl tert Butyl Ether (MTBE)	5000
Naphthalene	5005
o-Xylene (1,2-Xylene)	5250
Toluene	5140
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C5-C8 Unadjusted)	5305
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C5-C8)	5304
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C9-C12 Unadjusted)	5307
Volatile Petroleum Hydrocarbons (VPH) (Aliphatic C9-C12)	5306
Volatile Petroleum Hydrocarbons (VPH) (Aromatic C9-C10)	5311
Xylenes (Total)	5260



Certificate of Accreditation: Supplement

Absolute Resource Associates
124 Heritage Ave. Unit 16, Portsmouth, NH 03801
Contact Name: Jennifer Guerette Phone: 603-436-2001

Accreditation is granted to the facility to perform the following testing:

Code

Preparation

Aqueous

EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP)
EPA 3005A	Acid Digestion of Waters for Total Recoverable or Dissolved Metals
EPA 3510C	Separatory Funnel Liquid-Liquid Extraction
EPA 3660B	Sulfur Cleanup
EPA 5030C	Purge-and-Trap for Volatile Organics in Aqueous Samples

Solid

ARA SOP QA-801	Incremental Sampling Methodology (ISM) Soil Preparation
EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP)
EPA 3051A	Acid Digestion for Metals
EPA 3540C	Soxhlet Extraction (Non-Automated)
EPA 3546	Microwave Extraction (Organics)
EPA 3550C	Ultrasonic Extraction
EPA 3580A	Waste Dilution Extraction for Extractable Organics
EPA 3620C	Florisil Cleanup
EPA 3660B	Sulfur Cleanup
EPA 5035A	Purge-and-Trap and Extraction For Volatile Organics (Closed-System)

Footnotes:

> Method codes are typically based on The NELAC Institute (TNI) Laboratory Accreditation Management System (LAMS) and are used to compare to the laboratory reported Performance Test (PT) results. Although the method code may not represent the specific method version, it is the method code used to represent the method/technology used to report PTs. (NC = No Code)