



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

A&B Environmental Services, Inc.
10100 East Freeway, Suite 100, Houston, TX 77029

(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

Tracy Szorszen
President

Initial Accreditation Date:

February 10, 2012

Issue Date:

February 15, 2023

Expiration Date

February 15, 2025

Revision Date:

April 11, 2023

Accreditation No.:

71390

Certificate No.:

L23-121-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

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Asbestos		
EPA 600/R-93/116 by Polarized Light Microscopy (PLM)		10294583
Aqueous		
Asbestos		1520
Solid		
Asbestos		1520
NIOSH 7400 by Phase Contrast Microscopy (PCM)		90018001
Air		
Asbestos		1520
Bacteriological		
SM 9221E (2011) by Fermentation/Most Probable Number (MPN)		20196401
Aqueous		
Coliform (Fecal)		2530
SM 9222B (2011) by Membrane Filter (MF)		20203401
Aqueous		
Coliform (Total)		2500
SM 9222D (2011) by Membrane Filter (MF)		20209818
Aqueous		
Coliform (Fecal)		2530
SM 9222G (2011) by Membrane Filter (MF)		20210406
Aqueous		
Escherichia Coli (E. Coli)		2525
SM 9230C (2011) by Membrane Filter (MF)		20218400
Aqueous		
Enterococci		2520
Fecal Streptococci		2540
General Chemistry		
EPA 1010A by Closed Cup Tester		10234807
Solid		
Ignitability (Flashpoint)		1780
EPA 1664B by Gravimetry		10260628
Aqueous		
Hexane Extractable Material - Silica Gel Treated (HEM-SGT) (O&G)		1853
n-Hexane Extractable Material (HEM) Oil & Grease (O&G)		1803
EPA 350.3 by Ion Selective Electrode (ISE)		10064401
Aqueous		
Ammonia (as N)		1515



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	Code
General Chemistry	
EPA 420.1 by Colorimetry	10079400
Aqueous	
Phenolics (Total Recoverable)	1905
Solid	
Phenolics (Total Recoverable)	1905
EPA 9010 by Distillation, Spectrophotometry	10193803
Aqueous	
Cyanide (Total)	1645
Solid	
Cyanide (Total)	1645
EPA 9014 by Distillation, Spectrophotometry	10193803
Aqueous	
Cyanide (Amenable to Chlorination)	1510
Cyanide (Total)	1645
Solid	
Cyanide (Total)	1645
EPA 9040C by Electrometry	10244403
Aqueous	
pH	1900
EPA 9045D by Electrometry	10244607
Solid	
pH (Corrosivity)	1625
EPA 9065 by Colorimetry	10200405
Aqueous	
Phenolics (Total Recoverable)	1905
Solid	
Phenolics (Total Recoverable)	1905
Inorganic	
EPA 200.7 by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	10013806
Aqueous	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Calcium	1035



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Inorganic

EPA 200.7 by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES) 10013806

Aqueous

Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Lithium	1080
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Phosphorous (Total)	1910
Potassium	1125
Selenium	1140
Silicon	1990
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

EPA 200.8 by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) 10014605

Aqueous

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075



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Inorganic

EPA 200.8 by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)	10014605
Aqueous	
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Thallium	1165
Thorium	1170
Uranium	3035
Vanadium	1185
Zinc	1190
EPA 245.1 by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10036609
Aqueous	
Mercury	1095
EPA 300.0 by Ion Chromatography (IC)	10053006
Aqueous	
Bromide	1540
Chloride	1575
Fluoride	1730
Nitrate (as N)	1810
Nitrate + Nitrite (as N)	1820
Nitrite (as N)	1840
Orthophosphate (as P)	1870
Sulfate	2000
EPA 6010C by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	10155916
Aqueous	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Calcium	1035



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Inorganic

EPA 6010C by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)

10155916

Aqueous

Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Lithium	1080
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Phosphorous (Total)	1910
Potassium	1125
Selenium	1140
Silica (as SiO ₂)	1990
Silicon	1990
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

Solid

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070



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Inorganic

EPA 6010C by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES) 10155916

Solid	
Lead	1075
Lithium	1080
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Phosphorous (Total)	1910
Potassium	1125
Selenium	1140
Silica (as SiO ₂)	1990
Silicon	1990
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

EPA 6020A by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) 10156420

Aqueous	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Molybdenum	1100



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Inorganic

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

10156420

Aqueous

Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Thallium	1165
Vanadium	1185
Zinc	1190

Solid

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
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
Thallium	1165
Vanadium	1185
Zinc	1190

EPA 7470A by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)

10165807

Aqueous

Mercury	1095
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Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 7471A by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10166457
Solid	
Mercury	1095
EPA 9020B by Combustion/Coulimetry	10194408
Aqueous	
Total Organic Halides (TOX)	2045
Solid	
Total Organic Halides (TOX)	2045
EPA 9023 by Combustion/Coulimetry	10195003
Aqueous	
Extractable Organic Halides (EOX)	1720
Solid	
Extractable Organic Halides (EOX)	1720
EPA 9056A by Ion Chromatography (IC)	10199607
Aqueous	
Bromide	1540
Chloride	1575
Fluoride	1730
Nitrate (as N)	1810
Nitrate + Nitrite (as N)	1820
Nitrite (as N)	1840
Orthophosphate (as P)	1870
Sulfate	2000
Solid	
Bromide	1540
Chloride	1575
Fluoride	1730
Nitrate (as N)	1810
Nitrate + Nitrite (as N) (Calculation)	1820
Nitrite (as N)	1840
Orthophosphate (as P)	1870
Sulfate	2000
SM 2340B (2011) by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	20046417
Aqueous	
Hardness (Total, as CaCO ₃)	1755
SM 3500 Cr B (2011) by Colorimetry	20066017
Aqueous	
Hexavalent Chromium (Cr VI)	1045



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Code

Organic

Draft EPA Method 1633 by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) 10123441

Aqueous

11-chloroeicosafiuoro-3-oxaundecane-1-sulfonic Acid (11Cl-PF3OUdS) 9490

1H, 1H, 2H, 2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonic Acid, 8:2FTS) 6948

1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 Fluorotelomersulfonic Acid, 4:2FTS) 6946

1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2 Fluorotelomersulfonic Acid, 6:2FTS) 6947

2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) 9338

3-perfluoroheptyl Propanoic Acid (7:3 FTCA, 2H,2H,3H,3H-Perfluorodecanoic Acid) 9340

4,4,5,5,6,3-Perfluoropropyl propanoic Acid (3:3 FTCA) 9353

4,8-dioxa-3H-perfluorononanoic Acid (ADONA) 6951

9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid (9Cl-PF3ONS) 6952

Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) 9460

N-ethyl Perfluorooctanesulfonamide (NEtFOSA) 9395

N-ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) 4847

N-ethyl Perfluorooctanesulfonamidoethanol (NEtFOSE) 9431

N-methyl Perfluorooctanesulfonamide (NMeFOSA) 9433

N-methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) 4846

N-methyl Perfluorooctanesulfonamidoethanol (NMeFOSE) 6949

Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA) 6956

Perfluoro(2-ethoxyethane)sulfonic Acid (PFEESA) 6957

Perfluoro-3-methoxypropanoic Acid (PFMPA) 6965

Perfluoro-4-methoxybutanoic Acid (PFMBA) 6966

Perfluorobutanesulfonic Acid (PFBS) 6918

Perfluorobutanoic Acid (PFBA) 6915

Perfluorodecanesulfonic Acid (PFDS) 6920

Perfluorodecanoic Acid (PFDA) 6905

Perfluorododecanesulfonic Acid (PFDoS) 6923

Perfluorododecanoic Acid (PFDoA) 6903

Perfluoroheptanesulfonic Acid (PFHpS) 9470

Perfluoroheptanoic Acid (PFHpA) 6908

Perfluorohexanesulfonic Acid (PFHxS) 6927

Perfluorohexanoic Acid (PFHxA) 6913

Perfluorononanesulfonic Acid (PFNS) 6929

Perfluorononanoic Acid (PFNA) 6906

Perfluorooctanesulfonamide (PFOSA) 6917

Perfluorooctanesulfonic Acid (PFOS) 6931

Perfluorooctanoic Acid (PFOA) 6912

Perfluoropentanesulfonic Acid (PFPeS) 6934



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Code

Organic

Draft EPA Method 1633 by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) 10123441

Aqueous

Perfluoropentanoic Acid (PFPeA) 6914

Perfluorotetradecanoic Acid (PFTeDA) 6902

Perfluorotridecanoic Acid (PFTrDA) 9563

Perfluoroundecanoic Acid (PFUnA) 6904

Solid

11-chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11Cl-PF3OUdS) 9490

1H, 1H, 2H, 2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonic Acid, 8:2FTS) 6948

1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 Fluorotelomersulfonic Acid, 4:2FTS) 6946

1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2 Fluorotelomersulfonic Acid, 6:2FTS) 6947

2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) 9338

3-perfluoroheptyl Propanoic Acid (7:3 FTCA, 2H,2H,3H,3H-Perfluorodecanoic Acid) 9340

4,8-dioxa-3H-perfluorononanoic Acid (ADONA) 6951

9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid (9Cl-PF3ONS) 6952

Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) 9460

N-ethyl Perfluorooctanesulfonamide (NEtFOSA) 9395

N-ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) 4847

N-ethyl Perfluorooctanesulfonamidoethanol (NEtFOSE) 9431

N-methyl Perfluorooctanesulfonamide (NMeFOSA) 9433

N-methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) 4846

N-methyl Perfluorooctanesulfonamidoethanol (NMeFOSE) 6949

Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA) 6956

Perfluoro(2-ethoxyethane)sulfonic Acid (PFEEESA) 6957

Perfluoro-3-methoxypropanoic Acid (PFMPA) 6965

Perfluoro-4-methoxybutanoic Acid (PFMBA) 6966

Perfluorobutanesulfonic Acid (PFBS) 6918

Perfluorobutanoic Acid (PFBA) 6915

Perfluorodecanesulfonic Acid (PFDS) 6920

Perfluorodecanoic Acid (PFDA) 6905

Perfluorododecanesulfonic Acid (PFDoS) 6923

Perfluorododecanoic Acid (PFDoA) 6903

Perfluoroheptanesulfonic Acid (PFHpS) 9470

Perfluoroheptanoic Acid (PFHpA) 6908

Perfluorohexanesulfonic Acid (PFHxS) 6927

Perfluorohexanoic Acid (PFHxA) 6913

Perfluorononanesulfonic Acid (PFNS) 6929

Perfluorononanoic Acid (PFNA) 6906



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Organic

Draft EPA Method 1633 by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) 10123441

Solid

Perfluorooctanesulfonamide (PFOSA)	6917
Perfluorooctanesulfonic Acid (PFOS)	6931
Perfluorooctanoic Acid (PFOA)	6912
Perfluoropentanesulfonic Acid (PFPeS)	6934
Perfluoropentanoic Acid (PFPeA)	6914
Perfluorotetradecanoic Acid (PFTeDA)	6902
Perfluorotridecanoic Acid (PFTrDA)	9563
Perfluoroundecanoic Acid (PFUnA)	6904

EPA 624 by Gas Chromatography Mass Spectrometry (GC/MS) 10107207

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
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-Butadiene	9318
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
2,2,4-Trimethylpentane (Isooctane)	5220
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether (2-CEVE)	4500
2-Chlorotoluene	4535



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EPA 624 by Gas Chromatography Mass Spectrometry (GC/MS)

10107207

Aqueous

2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Methylnaphthalene	6385
2-Methylpentane (Isohexane)	4941
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
4-Vinylcyclohexene	NC
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
Amyl Acetate	4360
Benzene	4375
Benzyl Chloride	5635
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Butyl Acetate	4403
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
Cyclohexane	4555
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Diisobutylene	NC
Ethyl Acetate	4755
Ethylbenzene	4765
Hexane (as n-Hexane)	4855
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240



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EPA 624 by Gas Chromatography Mass Spectrometry (GC/MS)

10107207

Aqueous

Methyl Acetate	4940
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl tert Butyl Ether (MTBE)	5000
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Heptane	4825
n-Hexane	4855
n-Pentane (Pentane)	5028
n-Propyl Acetate	5057
n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
sec-Butylbenzene	4440
Styrene	5100
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 Acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260

EPA 625 by Gas Chromatography Mass Spectrometry (GC/MS)

10107401

Aqueous

1,2,4,5-Tetrachlorobenzene	6715
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,2-Diphenylhydrazine (as Azobenzene)	6220
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
2,2'-Oxybis(1-Chloropropane) (was bis(2-Chloroisopropyl)ether)	4659
2,4,5-Trichlorophenol	6835



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10107401

Aqueous

2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
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-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
Acetophenone	5510
Aniline	5545
Anthracene	5555
Azobenzene (1,2-Diphenylhydrazine)	5562
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



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic	
EPA 625 by Gas Chromatography Mass Spectrometry (GC/MS)	10107401
Aqueous	
bis(2-Chloroethoxy)Methane	5760
bis(2-Chloroethyl)Ether	5765
bis(2-Ethylhexy)Phthalate (DEHP, as di(2-ethylhexyl) phthalate)	6065
Butyl Benzyl Phthalate	5670
Carbazole	5680
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
Hexachlorophene	6290
Indeno(1,2,3,cd)Pyrene	6315
Isophorone	6320
Naphthalene	5005
Nitrobenzene	5015
n-Nitrosodiethylamine	6525
n-Nitrosodimethylamine	6530
n-Nitroso-di-n-Butylamine	5025
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
Pentachlorobenzene	6590
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic	
EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS)	10307003
Aqueous	
1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
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-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-Butadiene	9318
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
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
2-Methylnaphthalene	6385
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
Benzene	4375



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

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

10307003

Aqueous

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
Cyclohexane	4555
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Ethylbenzene	4765
Hexachlorobutadiene	4835
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methyl Acetate	4940
Methyl Acrylate	4945
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl tert Butyl Ether (MTBE)	5000
Methylcyclohexane	4965
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Heptane	4825
n-Hexane	4855
n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
sec-Butylbenzene	4440
Styrene	5100
tert-Butylbenzene	4445
Tetrachloroethylene (Perchloroethylene, PCE)	5115



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

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

10307003

Aqueous

Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
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-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
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-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-Butadiene	9318
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
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



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

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

10307003

Solid

2-Methylnaphthalene	6385
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
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
Cyclohexane	4555
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Ethylbenzene	4765
Hexachlorobutadiene	4835
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methyl Acetate	4940
Methyl Acrylate	4945
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl tert Butyl Ether (MTBE)	5000
Methylcyclohexane	4965
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

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

10307003

Solid

n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
sec-Butylbenzene	4440
Styrene	5100
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 Acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260

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

10186002

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) (was bis(2-Chloroisopropyl)ether)	4659
2,3,4,6-Tetrachlorophenol	6735
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dichlorophenol	6005
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



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic	
EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS)	10186002
Aqueous	
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
Acetophenone	5510
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
Biphenyl	5640
bis(2-Chloroethoxy)Methane	5760
bis(2-Chloroethyl)Ether	5765
bis(2-Ethylhexy)Phthalate (DEHP, as di(2-ethylhexyl) phthalate)	6065
Butyl Benzyl Phthalate	5670
Carbazole	5680
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



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

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

10186002

Aqueous

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
Pentachlorobenzene	6590
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) (was bis(2-Chloroiospropyl)ether)	4659
2,3,4,6-Tetrachlorophenol	6735
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dichlorophenol	6005
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

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

10186002

Solid

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
Acetophenone	5510
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
Biphenyl	5640
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
Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

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

Code

Organic

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS) 10186002

Solid

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
Pentachlorobenzene	6590
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095

EPA 8310 by High Performance Liquid Chromatography (HPLC) 10187607

Aqueous

Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555

Solid

Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555

EPA TO-15 by Gas Chromatography Mass Spectrometry (GC/MS) 10248803

Air

1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

EPA TO-15 by Gas Chromatography Mass Spectrometry (GC/MS)

10248803

Air

1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
1,1,2-Trichloroethane	5165
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
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-Butadiene	9318
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
4-Ethyltoluene (p-Ethyltoluene, 1-Ethyl-4-Methylbenzene)	4542
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Acrolein (Propenal)	4325
Benzene	4375
Benzyl Chloride	5635
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
Cyclohexane	4555
Dichlorodifluoromethane (Freon 12)	4625
Dichlorotetrafluoroethane (1,2-Dichlorotetrafluoroethane)	4652



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Organic

EPA TO-15 by Gas Chromatography Mass Spectrometry (GC/MS)	10248803
Air	
Ethanol	4750
Ethyl Acetate	4755
Ethylbenzene	4765
Hexachlorobutadiene	4835
Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol)	4895
m,p-Xylene	5240
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl Methacrylate	4990
Methyl tert Butyl Ether (MTBE)	5000
Methylene Chloride (Dichloromethane)	4975
n-Heptane	4825
n-Hexane	4855
o-Xylene (1,2-Xylene)	5250
Propylene (as Propene)	4836
Styrene	5100
Tetrachloroethylene (Perchloroethylene, PCE)	5115
Tetrahydrofuran (THF)	5120
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
Vinyl Chloride (Chloroethene)	5235
TNRCC (TCEQ) 1005 by Gas Chromatography Flame Ionization Detection (GC/FID)	90019208
Aqueous	
>C12-C28	9371
>C28-C35	9373
C6-C12	9370
Total Petroleum Hydrocarbons (TPH)	2050
Solid	
>C12-C28	9371
>C28-C35	9373
C6-C12	9370
Total Petroleum Hydrocarbons (TPH)	2050



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

10100 East Freeway, Suite 100, Houston, TX 77029

Contact Name: Almera Rosario Phone: 713-453-6060

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

Code

Preparation

Aqueous

EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP)
EPA 1312	Synthetic Precipitation Leaching Procedure (SPLP)
EPA 3005A	Acid Digestion of Waters for Total Recoverable or Dissolved Metals
EPA 3010A	Acid Digestion for Total Metals
EPA 3510C	Separatory Funnel Liquid-Liquid Extraction
EPA 5030C	Purge-and-Trap for Volatile Organics in Aqueous Samples

Solid

EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP)
EPA 1312	Synthetic Precipitation Leaching Procedure (SPLP)
EPA 3050B	Acid Digestion for Metals
EPA 3540C	Soxhlet Extraction (Non-Automated)
EPA 3545A	Pressurized Fluid Extraction (PFE)
EPA 3546	Microwave Extraction (Organics)
EPA 3550C	Ultrasonic Extraction
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)