



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:

January 03, 2024

Accreditation No.:

71390

Certificate No.:

L23-121-R3

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

Aqueous

Ignitability (Flashpoint) 1780

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
SM 2340B (2011) by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	20046417
Aqueous	
Hardness (Total, as CaCO ₃)	1755
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



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Inorganic

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

Aqueous

Boron	1025
Cadmium	1030
Calcium	1035
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



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Inorganic

EPA 200.8 by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)	10014605
Aqueous	
Copper	1055
Iron	1070
Lead	1075
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)	10155905
Aqueous	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020



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10155905

Aqueous

Boron	1025
Cadmium	1030
Calcium	1035
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



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Inorganic

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

10155905

Solid

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

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



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Inorganic

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

10156420

Aqueous

Magnesium	1085
Manganese	1090
Molybdenum	1100
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



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Code

Inorganic

EPA 7470A by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10165807
Aqueous	
Mercury	1095
EPA 7471A by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10166457
Solid	
Mercury	1095
EPA 9020B by Combustion/Coulometry	10194408
Aqueous	
Total Organic Halides (TOX)	2045
Solid	
Total Organic Halides (TOX)	2045
EPA 9023 by Combustion/Coulometry	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 3500 Cr B (2011) by Colorimetry	20066017
Aqueous	
Hexavalent Chromium (Cr VI)	1045



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Code

Organic

Draft EPA Method 1633 (Draft 3) by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) 10123441

Aqueous

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

4,4,5,5,6,3-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 (Draft 3) 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
4,4,5,5,6,3-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



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Code

Organic

Draft EPA Method 1633 (Draft 3) by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) 10123441

Solid

Perfluorononanoic Acid (PFNA)	6906
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 608.3 by Gas Chromatography Electron Capture Detector (GC/ECD) 10296614

Aqueous

4,4'-DDD	7355
4,4'-DDE	7360
4,4'-DDT	7365
4,4'-DDD	7355
4,4'-DDD	7355
4,4'-DDE	7360
4,4'-DDE	7360
4,4'-DDT	7365
Aldrin	7025
alpha-BHC (a-BHC, alpha-Hexachlorocyclohexane)	7110
alpha-Chlordane (cis-Chlordane)	7240
Aroclor 1016	8880
Aroclor 1221	8885
Aroclor 1232	8890
Aroclor 1242	8895
Aroclor 1248	8900
Aroclor 1254	8905
Aroclor 1260	8910
beta-BHC (b-BHC, beta-Hexachlorocyclohexane)	7115
Chlordane (Technical)	7250
delta-BHC (d-BHC)	7105
Dieldrin	7470
Endosulfan I	7510
Endosulfan II	7515
Endosulfan Sulfate	7520



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EPA 608.3 by Gas Chromatography Electron Capture Detector (GC/ECD) 10296614

Aqueous

Endrin 7540

Endrin Aldehyde 7530

Endrin Ketone 7535

gamma-BHC (?-BHC, Lindane) 7120

gamma-BHC (?-BHC, Lindane, gamma-Hexachlorocyclohexane) 7120

gamma-Chlordane 7245

Heptachlor 7685

Heptachlor Epoxide 7690

Methoxychlor 7810

Toxaphene (Chlorinated Camphene) 8250

EPA 610 by High Performance Liquid Chromatography (HPLC) 10297004

Aqueous

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

Fluoranthene 6265

Fluorene 6270

Indeno(1,2,3-cd) pyrene 6315

Naphthalene 5005

Pyrene 6665

EPA 615 by Gas Chromatography Electron Capture Detector (GC/ECD) 10105609

Aqueous

2,4,5-T 8655

2,4-D 8545

2,4-DB 8560

Dalapon 8555

Dicamba 8595

Dichloroprop (Dichloroprop, Weedone) 8605

Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) 8620



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EPA 615 by Gas Chromatography Electron Capture Detector (GC/ECD)	10105609
Aqueous	
MCPA	7775
Silvex (2,4,5-TP)	8650
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
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



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

Code

Organic

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

10107207

Aqueous

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

Methyl Acetate

4940

Methyl Bromide (Bromomethane)

4950

Methyl Chloride (Chloromethane)

4960

Methyl tert Butyl Ether (MTBE)

5000

Methylene Chloride (Dichloromethane)

4975

Naphthalene

5005



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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 624 by Gas Chromatography Mass Spectrometry (GC/MS)	10107207
Aqueous	
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 624.1 by Gas Chromatography Mass Spectrometry (GC/MS)	10298121
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 (1,1,2-Trichlorotrifluoroethane, Freon 113)	5185
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
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585



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Code

Organic

EPA 624.1 by Gas Chromatography Mass Spectrometry (GC/MS)

10298121

Aqueous

1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene	4615
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
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (MIBK)	4995
Acetone	4315
Acrolein (Propenal)	4325
Acrylonitrile	4340
Benzene	4375
Bromobenzene	4385
Bromochloromethane	4390
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoethane (Ethyl Bromide)	4397
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



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EPA 624.1 by Gas Chromatography Mass Spectrometry (GC/MS)

10298121

Aqueous

Dichlorodifluoromethane (Freon 12) 4625

Dichlorodifluoromethane (Freon-12) 4625

Ethylbenzene 4765

Ethylbenzene 4765

Hexachlorobutadiene 4835

Hexachlorobutadiene 4835

Isopropylbenzene (Cumene) 4900

m,p-Xylene 5240

Methyl Bromide (Bromomethane) 4950

Methyl Chloride (Chloromethane) 4960

Methyl tert Butyl Ether (MTBE) 5000

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-Butylbenzene 4445

Tetrachloroethene 5115

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

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



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

10107401

Aqueous

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

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



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A&B Environmental Services, Inc.

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

Code

Organic

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

10107401

Aqueous

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-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



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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	
Phenol	6625
Pyrene	6665
Pyridine	5095
EPA 625.1 by Gas Chromatography Mass Spectrometry (GC/MS)	10300024
Aqueous	
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,2-Diphenylhydrazine (as Azobenzene)	6220
1,3-Dichlorobenzene	4615
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
1-Methylnaphthalene	6380
2,2'-Oxybis(1-Chloropropane)	4659
2,2'-Oxybis(1-Chloropropane) (was bis(2-Chloroisopropyl)ether)	4659
2,3,4,6-Tetrachlorophenol	6735
2,3-Dichloroaniline	9363
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
2,4-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
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4,6-Dinitro-2-Methylphenol (Dinitro-o-Cresol)	6360



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

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

Code

Organic

EPA 625.1 by Gas Chromatography Mass Spectrometry (GC/MS)

10300024

Aqueous

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-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
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
Fluoranthene	6265
Fluorene	6270



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

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

Code

Organic

EPA 625.1 by Gas Chromatography Mass Spectrometry (GC/MS) 10300024

Aqueous

Hexachlorobenzene 6275

Hexachlorobutadiene 4835

Hexachlorocyclopentadiene 6285

Hexachloroethane 4840

Indeno(1,2,3,cd)Pyrene 6315

Isophorone 6320

Naphthalene 5005

n-Decane 5875

Nitrobenzene 5015

n-Nitrosodimethylamine 6530

n-Nitrosodi-n-Propylamine 6545

n-Nitrosodiphenylamine 6535

n-Octadecane 6580

Pentachlorophenol (PCP) 6605

Phenanthrene 6615

Phenol 6625

Pyrene 6665

Pyridine 5095

EPA 8081B by Gas Chromatography Electron Capture Detector (GC/ECD) 10178811

Aqueous

4,4'-DDD 7355

4,4'-DDE 7360

4,4'-DDT 7365

4,4'-DDD 7355

4,4'-DDD 7355

4,4'-DDE 7360

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

Chlordane 7328

delta-BHC (d-BHC) 7105

Dieldrin 7470

Endosulfan I 7510



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

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

Code

Organic

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

10178811

Aqueous

Endosulfan II	7515
Endosulfan Sulfate	7520
Endrin	7540
Endrin Aldehyde	7530
Endrin Ketone	7535
gamma-BHC (?-BHC, Lindane)	7120
gamma-BHC (?-BHC, Lindane, gamma-Hexachlorocyclohexane)	7120
gamma-Chlordane	7245
Heptachlor	7685
Heptachlor Epoxide	7690
Methoxychlor	7810

Solid

4,4'-DDD	7355
4,4'-DDE	7360
4,4'-DDT	7365
4,4'-DDD	7355
4,4'-DDD	7355
4,4'-DDE	7360
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
Chlordane	7328
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 (?-BHC, Lindane)	7120
gamma-BHC (?-BHC, Lindane, gamma-Hexachlorocyclohexane)	7120
gamma-Chlordane	7245



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

Code

Organic

EPA 8081B by Gas Chromatography Electron Capture Detector (GC/ECD) 10178811

Solid

Heptachlor 7685

Heptachlor Epoxide 7690

Methoxychlor 7810

EPA 8082A by Gas Chromatography Electron Capture Detector (GC/ECD) 10179358

Aqueous

Aroclor 1016 8880

Aroclor 1221 8885

Aroclor 1232 8890

Aroclor 1242 8900

Aroclor 1248 8900

Aroclor 1254 8905

Aroclor 1260 8910

Solid

Aroclor 1016 8880

Aroclor 1221 8885

Aroclor 1232 8890

Aroclor 1242 8900

Aroclor 1248 8900

Aroclor 1254 8905

Aroclor 1260 8910

EPA 8151A by Gas Chromatography Electron Capture Detector (GC/ECD) 10183207

Aqueous

2,4,5-T 8655

2,4,5-TP (Silvex) 8650

2,4-DB 8560

2,4-Dichlorophenoxyacetic Acid (2,4-D) 8545

Dalapon 8555

Dicamba 8595

Dichloroprop (2,4-DP) 8605

Dinoseb (2-sec-Butyl-4,6-Dinitrophenol, DNBP) 8620

MCPA 7775

MCPP 7780

Pentachlorophenol (PCP) 6605

Silvex (2,4,5-TP) 8650

Solid

2,4,5-T 8655



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

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

Code

Organic

EPA 8151A by Gas Chromatography Electron Capture Detector (GC/ECD) 10183207

Solid

2,4,5-TP (Silvex) 8650

2,4-DB 8560

2,4-Dichlorophenoxyacetic Acid (2,4-D) 8545

Dalapon 8555

Dicamba 8595

Dichloroprop (2,4-DP) 8605

Dinoseb (2-sec-Butyl-4,6-Dinitrophenol, DNBP) 8620

MCPA 7775

MCPP 7780

Pentachlorophenol (PCP) 6605

Silvex (2,4,5-TP) 8650

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



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

Code

Organic	
EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS)	10307003
Aqueous	
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
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



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

Code

Organic

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

10307003

Aqueous

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
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



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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

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-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



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	
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-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



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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

2,4,6-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
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



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

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Organic

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

10186002

Aqueous

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
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



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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

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
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



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

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

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



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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 8310 by High Performance Liquid Chromatography (HPLC)

10187607

Aqueous

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
Fluoranthene	6265
Fluorene	6270
Indeno(1,2,3-cd) pyrene	6315
Naphthalene	5005
Phenanthrene	6615
Pyrene	6665

Solid

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
Fluoranthene	6265
Fluorene	6270
Indeno(1,2,3-cd) pyrene	6315
Naphthalene	5005
Phenanthrene	6615
Pyrene	6665

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

10248803

Air

1,1,1-Trichloroethane	5160
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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	
1,1,2,2-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
1,2,4-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



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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

Dichlorotetrafluoroethane (1,2-Dichlorotetrafluoroethane)	4652
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



Certificate of Accreditation: Supplement

A&B Environmental Services, Inc.

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

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

Code

Organic

TNRCC (TCEQ) 1005 by Gas Chromatography Flame Ionization Detection (GC/FID) 90019208

Solid
Total Petroleum Hydrocarbons (TPH) 2050

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)