



# Accredited Laboratory

A2LA has accredited

**EMSL ANALYTICAL, INC.**

*Cinnaminson, NJ*

for technical competence in the field of

**Environmental Testing**

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2017, the 2016 TNI Environmental Testing Laboratory Standard, and the requirements of the Department of Energy Consolidated Audit Program (DOECAP) as detailed in version 5.4 of the DoD Quality System Manual for Environmental Laboratories (QSM), accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 5<sup>th</sup> day of August 2022.

A blue ink signature of a person, likely the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2845.01  
Valid to July 31, 2024

*For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.*



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL ANALYTICAL, INC.  
200 Route 130 North  
Cinnaminson, NJ 08077  
Nicholas Straccione Phone: 856-303-2550

ENVIRONMENTAL

Valid To: July 31, 2024

Certificate Number: 2845.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory’s compliance with the 2016 TNI Environmental Testing Laboratory Standard, the requirements of the Department of Energy Consolidated Audit Program (DOECAP) as detailed in version 5.4 of the DoD/DOE Quality Systems Manual for Environmental Laboratories), and for the test methods applicable to the National Lead Laboratory Accreditation Program (NLLAP), accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

ENVIRONMENTAL LEAD	
Test	Test Method(s)
Total Lead (Pb) in Dust Wipes	EMSL Analytical, Inc. LM-007C (Modified EPA 7000B - (FLAA), 3050 Hotblock Digestion)
Total Lead (Pb) in Paint Chips	EMSL Analytical, Inc. LM-007B (Modified EPA 7000B - (FLAA), 3050 Hotblock Digestion)
Total Lead (Pb) in Soil	EMSL Analytical, Inc. LM-007A (Modified EPA 7000B - (FLAA), 3050 Hotblock Digestion)

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests in the analyte categories listed below:

AIR MATRIX*		
Test	Test Method(s)	Parameter/Analyte
Acetic Acid	NIOSH 1603 mod.	Acetic Acid
Acid Mist	OSHA 165SG	Nitric Acid Hydrochloric Acid Sulfuric Acid Hydrofluoric Acid Hydrobromic Acid
Alcohols	NIOSH 1400 mod.	Isopropyl Alcohol Ethanol
Aldrin and Lindane	NIOSH 5502 mod.	Aldrin and Lindane

Test	Test Method(s)	Parameter/Analyte
Aromatic Hydrocarbons	NIOSH 1501 mod.	Benzene Ethylbenzene Toluene o-Xylene p-Xylene m-Xylene
Chlordane	NIOSH 5510 mod.	Chlordane
Chlorine	NIOSH 6011	Chlorine
Combustion-by-Products (Black Carbon/Soot, Char, and Ash)	ASTM D6602	Black Carbon/Soot Char Ash
Diesel Particulate Matter (As Elemental Carbon)	NIOSH 5040	Elemental Carbon
Elements by ICP	NIOSH 7300 NIOSH 7300 mod. NIOSH 7303 NIOSH 7303 mod.	Aluminum (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Beryllium (Be) Bismuth (Bi) Boron (B) Cadmium (Cd) Cerium (Ce) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Lithium (Li) Magnesium (Mg) Manganese (Mn) Molybdenum (Mo) Nickel (Ni) Phosphorous (P) Potassium (K) Selenium (Se) Silver (Ag) Sodium (Na) Strontium (Sr) Sulfide (S) Thalium (Tl) Tin (Sn) Titanium (Ti) Vanadium (V) Zinc (Zn) Zircon (Zr)
Formaldehyde	NIOSH 2016 mod.	Formaldehyde

Test	Test Method(s)	Parameter/Analyte
Halogenated Hydrocarbons	NIOSH 1003 mod.	1,2-dichlorobenzene 1,4-dichlorobenzene Chlorobenzene 1,1-dichloroethane 1,1-dichloroethene 1,2-dichloroethane 1,2-dichloroethene Carbon Tetrachloride Chloroform Tetrachloroethene
Hexavalent Chromium	OSHA 215	Haxavalent Chromium
Hydrogen Cyanide	NIOSH 6010 mod.	Hydrogen Cyanide
Inorganic Acids	NIOSH 7903	Flourine (F) Bromie (Br) Chlorine (Cl) Nitrate (NO <sub>3</sub> ) Nitrite (NO <sub>2</sub> ) Sulfate (SO <sub>4</sub> ) Phosphate (PO <sub>4</sub> )
Inorganic Fibrous Particles by SEM method	German VDI 3492	Fibrous Glass Mineral Wool Refractory Ceramic Fibers Asbestos
Inorganic Fibrous Particles by SEM method	ISO 14966	Fibrous Glass Mineral Wool Refractory Ceramic Fibers Asbestos
Mercury	NIOSH 6009 mod., OSHA 140 mod.	Mercury
Metalworking Fluids (MWF) All Categories	NIOSH 5524	Metal Working Fluids N.O.S.
Methamphetamine on Wipes	NIOSH 9111	Methamphetamine
Methanol	NIOSH 2000 mod.	Methanol
Methylene Chloride	NIOSH 1005	Methylene Chloride
Naphthas	NIOSH 1550 mod.	WMP Naphtha
Ozone	OSHA 214	Ozone
Polychlorinated Biphenyls	NIOSH 5503 mod.	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268

Test	Test Method(s)	Parameter/Analyte
Polynuclear Aromatic Hydrocarbons by HPLC	NIOSH 5506 mod.	Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(e)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene Indeno(1,2,3-c,d)pyrene
Silica, Crystalline	NIOSH 7500 mod., OSHA 142	a-quartz Cristobalite Trydimite
Sulfur Dioxide	NIOSH 6004 mod.	Sulfur Dioxide
Total Lead (Pb)	NIOSH 7082 - (FLAA)	Lead
Total Metals	EMSL Analytical, Inc. LM-003 (Modified NIOSH 7300 for ICP/ICP-MS)	Beryllium Oxide (BeO) Beryllium (Be)
Volatile Organic Compounds	TO-15	Acetaldehyde Acetone Acetonitrile Acetophenone Acrolein Acrylamide Acrylic acid Acrylonitrile Allyl chloride Aniline Benzene Benzyl chloride Bis (2-chloroethyl) ether Bis (chloromethyl) ether Bromodichloromethane Bromoform Bromomethane Butadiene (1,3-) Butadiene (2-chloro-1,3-) Carbon disulfide Carbon oxysulfide (Carbonyl sulfide)

Test	Test Method(s)	Parameter/Analyte
Volatile Organic Compounds in Air (cont)	TO-15 (cont)	Carbon tetrachloride Catechol Chloroacetic acid Chlorobenzene Chloroethane Chloroform Chloromethane Chloromethyl methyl ether Chlorotoluene (2-) Cresols/Cresylic acid Cyclohexane Diazomethane Dibromo-3-chloropropane (1,2-) Dibromochloromethane Dibromoethane (1,2-) (EDB) Dichlorobenzene (1,2-) Dichlorobenzene (1,3-) Dichlorobenzene (1,4-) Dichlorodifluoromethane Dichloroethane (1,1-) Dichloroethane (1,2-) Dichloroethene (1,1-) Dichloroethene (cis-1,2-) Dichloroethene (trans-1,2-) Dichlorofluoromethane Dichloropropane (1,2-) Dichloropropene (cis-1,3-) Dichloropropene (trans-1,3-) Dichlorotetrafluoroethane (1,2-) Diethyl sulfate Dimethyl formamide (N, N-) Dimethyl hydrazine (1,1-) Dimethyl sulfate Dimethylaniline (N, N-) Dimethylcarbamoyl chloride Dioxane (1,4-) Epichlorohydrin Epoxybutane (1,2-) Ethanol Ethyl acetate Ethyl acrylate Ethyl carbamate (Urethane) Ethylbenzene Ethylene Oxide Ethyleneimine Ethyltoluene (4-) Formaldehyde Heptane (n-) Hexachlorobutadiene (1,3-)



Test	Test Method(s)	Parameter/Analyte
Volatile Organic Compounds in Air (cont)	TO-15 (cont)	Hexachloroethane Hexane (n-) Hexanone (2-) Isophorone Isopropanol Isopropylbenzene Methyl alcohol (Methanol) Methyl ethyl ketone (MEK) Methyl iodide Methyl isobutyl ketone (MIBK) Methyl isocyanate Methyl methacrylate Methyl tert-butyl ether Methylene chloride (Dichloromethane) Methylhydrazine Methylphenol (2-) Naphthalene Nitrobenzene Nitropropane (2-) N-Nitrosodimethylamine N-Nitrosomorpholine N-Nitroso-N-methylurea Phenol Phosgene Propane sultone (1,3-) Propiolactone (beta-) Propionaldehyde Propylene Propylene oxide Propyleneimine (1,2-) Styrene Styrene oxide Tert-butyl alcohol Tetrachloroethane (1,1,2,2-) Tetrachloroethene Tetrahydrofuran Toluene Trichloro (1,1,2-) trifluoroethane (1,2,2-) Trichlorobenzene (1,2,4-) Trichloroethane (1,1,1-) Trichloroethane (1,1,2-) Trichloroethene Trichlorofluoromethane Triethylamine Trifluoromethane Trimethylbenzene (1,2,4-) Trimethylbenzene (1,3,5-)



Test	Test Method(s)	Parameter/Analyte
Volatile Organic Compounds in Air (cont)	TO-15 (cont)	Trimethylpentane (2,2,4-) Vinyl acetate Vinyl bromide Vinyl chloride Xylene (m-) Xylene (o-) Xylenes (total) Xylene (p-)

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests in the analyte categories listed below:

SOIL/SOLIDS/BULK MATRIX*		
Test	Test Method(s)	Parameter/Analyte
Combustion-by-Products (black carbon/soot, char and ash)	ASTM D6602	Black Carbon/Soot Char Ash
Determination of Asbestos in Technical Products by SEM method	German VDI 3866 Part 5	Asbestos
Separatory Funnel Liquid/Liquid Extractions	EPA 3510C	-----
Microwave Sample Preparation	EPA 3546	-----
Polychlorinated Biphenyls (PCBs)	EPA 8082A	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268
Silica Gel Cleanup	EPA 3630C	-----
Soxhlet Sample Preparation	EPA 3540C	-----
Sulfur Extract Cleanup	EPA 3660B	-----
Sulfuric Acid Cleanup	EPA 3665A	-----
Waste Dilution Sample Preparation	EPA 3580A	-----

\*Not NLLAP program





In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests in the analyte categories listed below:

<b>ASBESTOS ANALYSIS</b>		
<b>Test</b>	<b>Test Method(s)</b>	<b>Parameter/Analyte</b>
Phase Contrast Microscopy	NIOSH 7400	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers
Polarized Light Microscopy	SAE J2975, EPA 600/R-93/116 NIOSH 9002 ASTM D7521-16	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers
Sample Preparation by Drilling	SAE J2975	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers
Transmission Electron Microscopy – Air	ISO 10312 (direct method)	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers
Transmission Electron Microscopy – Bulk	ISO 13794 (indirect method)	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers
Transmission Electron Microscopy – Surfaces	ASTM D6480-99 ASTM D5755-95	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers

Test	Test Method(s)	Parameter/Analyte
Transmission Electron Microscopy – Soil	ASTM D7521-16	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers
Transmission Electron Microscopy	EPA 100.2	Asbestos: Chrysotile Asbestos: Amosite Asbestos: Crocidolite Asbestos: Anthophyllite Asbestos: Tremolite Asbestos: Actinolite Asbestos: Other non-regulated amphibole fibers

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests in the analyte categories listed below:

<b>RADIOCHEMISTRY and CHEMISTRY DRINKING WATER, NON POTABLE, SOLID/CHEMICAL MATRIX</b>	
Parameter/Analyte	Test Method(s)
Alpha Spectroscopy (Pu-238, Pu-239/240, U-235, U-234/238, Am-241, Th-230/232)	EMSL RC-SOP-007, EPA 907.0 mod.
Alpha/Beta Scan	EMSL RC-SOP-003, EPA 900 mod.
Gamma Scan	EMSL RC-SOP-002, EPA 901.1 mod.
Gross Alpha/Beta	EPA 900, EPA 900 mod.
Nickel (Ni-63)	EMSL RC-SOP-201
Radium (Ra-226)	EPA 903, EPA 903 mod.
Radium (Ra-228)	EPA 904, EPA 904 mod.
Strontium (Sr-89/-90)	EPA 905, EPA 905 mod.
Tritium	EPA 906, EPA 906 mod.
Total Organic Carbon in Water and Wastewater; Persulfate Oxidation Method SM 5310C	MS-SOP-R2

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Children's Products: <sup>(1)</sup>

<b>CHEMICAL</b>	
Test	Test Method(s)
Lead in Paint and Surface Coatings	16 CFR 1303 (using ASTM E1613 and E1645); CPSC-CH-E1003-09.1
Phthalates	CPSC-CH-C1001-09.4 (using EPA SW-846 8270)
Soluble Heavy Metals Content (As, Ba, Cd, Cr, Pb, Hg, Sb, Se)	ASTM F 963-17 Section 4.3.5.1 & Section 4.3.5.2 (EMSL Analytical, Inc. LM-032)

Test	Test Method(s)
Total Cadmium in Children's Metal Products Including Children's Metal Jewelry	EMSL Analytical, Inc. LM-016, (Modified CPSC-CH-E1001-08.1)
Total Cadmium in Children's Non-Metal Products	EMSL Analytical, Inc. LM-016, (Modified CPSC-CH-E1002-08)
Total Lead in Children's Metal Jewelry	CPSC-CH-E1001-08.1
Total Lead in Children's Metal Products	CPSC-CH-E1001-08.1
Total Lead in Children's Non-Metal Products	CPSC-CH-E1002-08

<sup>1</sup> The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization's acceptance status by using the CPSC's searchable database, located at <http://www.cpsc.gov/cgi-bin/labsearch/>.

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POTABLE, NON-POTABLE, SOLIDS/SOILS MATRIX		
Test	Test Method(s)	Parameter/Analyte
PFAS	EPA 537.1 EPA 537 Modified EPA 533	11Cl-PF3OUdS 9CL-PF3ONS ADONA HFPO-DA PFNS PFBA PFDS N-MeFOSAA N-EtFOSAA PFBS 8:2 FTS PFDA PFDoA PFOSA PFHpA 4:2 FTS PFHxS PFHxA PFTrDA PFTeDA PFNA 6:2 FTS PFOS PFOA



Test	Test Method(s)	Parameter/Analyte
PFAS	EPA 537.1, EPA 533 EPA 537	PFPeA PFPeS PFUnA
Lead	EPA 7420/7000B	Lead
Metals	SW 846 6010D SW 846 6020B	Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Selenium Silver Sodium Strontium Thallium Tin Titanium Vanadium Zinc Zirconium
Mercury	SW 846 7470B (NPW) SW 846 7471A (SCN)	Mercury
PCB's	SW 846 8082A	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260 PCB 1262 PCB 1268

Test	Test Method(s)	Parameter/Analyte
Pesticides	SW 846 8081B	Aldrin Alpha BHC Beta BHC Chlordane (alpha) (cis-) Chlordane (gamma) (trans-) DDD (4,4'-) DDE (4,4'-) DDT (4,4'-) Delta BHC Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin aldehyde Endrin ketone Heptachlor Heptachlor epoxide Lindane (gamma BHC) Methoxychlor Mirex Toxaphene
Semi-Volatiles	SW 846 8270E	Acenaphthene Acenaphthylene Acetophenone Acetylaminofluorene (2-) Aminobiphenyl (4-) Aniline Anthracene Aramite Atrazine Benzaldehyde Benzidine Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(ghi)perylene Benzo(k)fluoranthene Benzoic acid Benzyl alcohol Biphenyl (1,1'-) Bis (2-chloroethoxy) methane Bis (2-chloroethyl) ether Bis(2-chloroisopropyl)ether 1,2'-oxybis(1-chloropropane) Bis (2-ethylhexyl) phthalate Bromophenyl-phenyl ether (4-) Butylbenzylphthalate Caprolactam

Test	Test Method(s)	Parameter/Analyte
Semi-Volatiles (cont)	SW 846 8270E	Carbazole Chloroaniline (4-) Chlorobenzilate Chloronaphthalene (1-) Chloronaphthalene (2-) Chlorophenol (2-) Chlorophenyl-phenyl ether (4-) Chrysene Decane (n-) Diellate (cis) Diellate (trans) Dibenzo(a,h)anthracene Dibenzofuran Dichlorobenzene (1,2-) Dichlorobenzene (1,3-) Dichlorobenzene (1,4-) Dichlorobenzidine (3,3'-) Dichlorophenol (2,4-) Dichlorophenol (2,6-) Diethyl phthalate Dimethoate Dimethyl benzidine (3,3-) Dimethyl phthalate Dimethylamin oazobenzene Dimethylbenz(a)anthracene (7,12-) Dimethylphenol (2,4-) Di-n-butyl phthalate Dinitrobenzene (1,3-) Dinitrophenol (2,4-) Dinitrophenol (2-methyl-4,6-) Dinitrotoluene (2,4-) Dinitrotoluene (2,6-) Di-n-octyl phthalate Dinoseb Dioxane (1,4-) Diphenylhydrazine / Azobenzene Disulfoton Famphur Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene (1,3-) Hexachlorocyclopentadiene Hexachloroethane Hexachlorophene Hexachloropropene Indeno(1,2,3-cd)pyrene

Test	Test Method(s)	Parameter/Analyte
Semi-Volatiles (cont)	SW 846 8270E	Isodrin Isophorone Isosafrole (cis-) Isosafrole (trans-) Kepone Methanesulfonate (Ethyl-) Methanesulfonate (Methyl-) Methapyrilene Methyl phenol (4-chloro-3-) Methylcholanthrene (3-) Methylnaphthalene(1-) Methylnaphthalene (2-) Methylphenol (2-) Methylphenol (3-) Methylphenol (4-) Naphthalene Napthoquinone (1,4-) Napththylamine(1-) Napththylamine (2-) Nitroaniline (2-) Nitroaniline (3-) Nitroaniline (4-) Nitrobenzene Nitrophenol (2-) Nitrophenol (4-) N-Nitrosodiethylamine N-Nitrosodimethylamine N-Nitroso-di-n-butylamine N-Nitroso-di-n-propylamine N-Nitrosodiphenylamine / Diphenylamine N-Nitrosomethylethylamine N-Nitrosomorpholine N-Nitros opiperidine N-Nitrosopyrrolidine Octadecane (n-) Parathion Parathion methyl Pentachlorobenzene Pentachlo roethane Pentachlo ronitrobenzene Phenylethylamine (alpha,alpha-Dimethyl) Phorate Phosphorothioate (O,O,O-triethyl) Phosphorothioate (diethyl-O-2-pyrazinyl) [Thionazin] Picoline (2-)

Test	Test Method(s)	Parameter/Analyte
Semi-Volatiles (cont)	SW 846 8270E	Pronamide Pyrene Pyridine Quinoline -1-Oxide (4-Nitro) Safrole Sulfotepp Tetrachlorobenzene (1,2,4,5-) Tetrachlorophenol (2,3,4,6-) Toluidine (2-) (2-Methylaniline) Toluidine (5-nitro-2-) Trichlorobenzene (1,2,4-) Trichlorophenol (2,4,5-) Trichlorophenol (2,4,6-) Trinitrobenzene (1,3,5-) Acenaphthene Acenaphthylene Anthracene Benzo(a)anthiacene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(ghi)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Dimethylbenz(a)anthracene (7,12-) Dinitrophenol (2-methyl-4,6-) Dioxane (1,4-) Fluoran thene Fluorene Hexachlorobenzene Hexachlorobutadiene (1,3-) Indeno(1,2,3-cd)pyrene Methylcholanthrene (3-) Methylnaphthalene (1-) Methylnaphthalene (2-) Naphthalene N-Nitrosodimethylamine Pentachlorophenol Phenanthrene Pyrene Diethylene glycol Diesel Range Organics (DRO) Ethyl alcohol Ethylene glycol Ethylene Oxide Gasoline Range Orgainc Methyl alcohol (Methanol) Propylene glycol Triethylene glycol



Test	Test Method(s)	Parameter/Analyte
Volatiles	SW 846 8260D	Acetone Acetonitrile Acrolein Acrylonitrile Allyl chloride Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane Butadiene (2-chloro-1,3-) Butanone (2-) (Methyl ethyl ketone) Butylbenzene (n-) Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroethyl vinyl ether (2-) Chloroform Chloromethane Chlorotoluene (2-) Chlorotoluene (4-) Cyclohexane Cyclohexanone Dibromo-3-chloropropane (1,2-) Dibromochloromethane Dibromoethane (1,2-) (EDB) Dibromomethane Dichloro-2-butene (trans-1,4-) Dichlorobenzene (1,2-) Dichlorobenzene (1,3-) Dichlorobenzene (1,4-) Dichlorodiuoromethane Dichloroethane (1,1-) Dichloroethane (1,2-) Dichloroethene (1,1-) Dichloroethene(cis-1,2-) Dichloroethene (trans-1,2-) Dichloropropane (1,2-) Dichloropropane (1,3-) Dichloropropane (2,2-) Dichloropropene (1,1-) Dichloropropene (cis-1,3-) Dichloropropene (trans-1,3-) Diethyl ether (Ethyl ether) Dioxane (1,4-) Ethyl acetate

Test	Test Method(s)	Parameter/Analyte
Volatiles (cont)	SW 846 8260D	Ethyl methacrylate Ethylbenzene Ethyl-tert-butyl Ether (ETBE) Heptane (n-) Hexachlorobutadiene (1,3-) Hexachloroethane Hexane (n-) Hexanone (2-) Isa-butyl alcohol Isopropanol Isopropylbenzene Isopropyltoluene (4-) Methylcrotonitrile Methyl acetate Methyl acrylate Methyl iodide Methyl methacrylate Methyl tert-butyl ether Methylcyclohexane Methylene chloride (Dichloromethane) Naphthalene Nitrobenzene Nitropropane (2-) Pentachloroethane Pentanone (4-methyl-2-) (MIBK) Propionitrile Propylbenzene (n-) Sec-butylbenzene Styrene tert-Amylmethyl ether (TAME) Tert-butyl alcohol Tert-butylbenzene Tetrachloroethane (1,1,1,2-) Tetrachloroethane (1,1,2,2-) Tetrachloroethene Tetrahydrofuran Toluene Trichloro (1,1,2-) trichloroethane (1,2,2-) Trichlorobenzene (1,2,3-) Trichlorobenzene (1,2,4-) Trichloroethane (1,1,1-) Trichloroethane (1,1,2-) Trichloroethene Trichlorofluoromethane Trichloropropane (1,2,3-) Trimethylbenzene (1,2,4-)

Test	Test Method(s)	Parameter/Analyte
Volatiles (cont)	SW 846 8260D	Trimethylbenzene (1,3,5-) Vinyl acetate Vinyl chloride Xylene (m-) Xylene (o-) Xylene (p-) Xylenes (total)
Wet Extraction Test (WET) – Soluble Threshold Limit Concentration/Total Threshold Control Limit (STLC-TTLC)	California Code of Regulations, Title 22, Chapter 11, Article 5 Appendix II	-----

