

Division of Waste Management
Library History

Date	Subject	Disposition	Comments
2009	Replace all discontinued EPA methods with currently accepted methods	Methods updated	
4/29/2011	Tighten QC control limits for MS/MSD, LCS/LCSD, MS-RPD, LCS-RPD, Lab Duplicate RPD, and Field Duplicate RPD for most inorganic methods	Methods updated	
4/29/2011	Remove all methods with the SED matrix, then copy all Soil matrix methods to the SED matrix	Methods updated	
4/29/2011	Replace all 24 and 48 hour hold times with 24.9 and 48.9	Update made	
4/29/2011	Set all rejection factors to 2 for the hold time table	Update made	
4/29/2011	Change all 5X entries to 10X for the Method Blank Contaminant Rule	Update made	
10/19/2011	Add Pentachlorophenol to EPA 8321 (SOP)	Analyte added	
10/26/2011	Add Propylene Glycol as an analyte and 1,3-Butylene Glycol as a surrogate to EPA 8015 DAI	Analyte added; surrogate not added	DWM does not support the addition of 1,3-Butylene Glycol as a surrogate for EPA 8015
10/21/2011	Remove duplicate methods in the DWM Library	Duplicate methods removed	
11/14/2011	Add Chlormefos (CAS-RN: 24934-91-6) as a surrogate to EPA 8141	Surrogate not added	Method already suggests 3 possible surrogates; Chlormefos is an organophosphate insecticide
11/21/2011	Add analytes for EPA 6010B wipe matrix; add total phosphorous as an analyte for EPA 365.1 wipe matrix	Analytes added	
12/12/2011	Add Cis-1,4-Dichloro-2-butene as an analyte to EPA 8260	Analyte added	
12/13/2011	Add dissolved inorganic carbon as an analyte to SM18 5310 C	Analyte added	
1/11/2012	Add new preparation method & analytical method based on lab specific SOP's	Methods added	
1/18/2012	Add dissolved organic carbon to SM18 5310C	Analyte added	
1/24/2012	Add Diphenylamine and N-Nitroso-diphenylamine as analytes & 3,4-dinitrotoluene as a surrogate by SOP (TL-LC-044/HPLC-UV)	Analytes added	
1/30/2012	Add a "method" by SOP for Percent Solids	"Method" added	

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2/2/2012	Add dissolved Ferrous Iron by SM 18 3500-Fe D (and/or SM 18 3500-Fe B)	Both methods added	Recommend using SM 18 3500-Fe B (online method)
2/15/2012	Add Ethylene Glycol as an analyte to EPA 8015 (Certified) to the AQ, SO, and SED matrices	Analyte added	
2/27/2012	Add Silica and Silicon as analytes to EPA 6010 (Certified)	Analytes added	
3/9/2012	Remove specific unused methods	Methods removed	
5/4/2012	Remove duplicate Flopro method	Duplicate removed	
6/21/2012	Add air method TO-3	Method added	
7/18/2012	Add EPA 1312 (SPLP); add 4-Bromofluorobenzene as a surrogate to MADEP VPH (Massachusetts DEP Volatile Petroleum Hydrocarbons)	Method added; surrogate not added	MADEP VPH already recommends 2,5-Dibromotoluene (1,4-Dibromo-2-Methylbenzene in the DWM Library) as surrogate
7/23/2012	Add 2,4-Dichlorophenylacetic Acid (DEP-SURR-012) as a surrogate to EPA 1311/8321 in the AQ matrix	Surrogate added	Surrogate already in EPA 8321 for both DWM and DEP Lab Libraries
7/31/2012	Add EPA 8260 (SIM)	Method added	
8/14/2012	Add low level fatty acid analysis-AM 23G Low Level VFA (SOP Not Certified)	Method added	
8/28/2012	Removal of surrogates for EPA 8011 and EPA 504.1	Surrogates removed	
10/17/2012	Rename analyte "Carbon-Total Organic" for SO/SED 2040 to be consistent with AQ 2040	Update made	
10/25/2012	Add 4-Bromofluorobenzene as a surrogate to EPA 602	Surrogate added	
12/19/2012	Add 1,4-Dioxane as an analyte to EPA 8260 SIM for both the SED and SO matrices	Analyte added	
1/8/2013	Add RSK-175M for Methane, Ethane, and Ethene; add Propene as a surrogate for RSK-175M	Method RKS-175 (SOP, Not Certified) and surrogate added	
1/23/2013	Add Hexahydro-1,3,5-trinitro-1,3,5 (RDX) as an analyte to 8330B for the wipe matrix; add Perchlorate by EPA 314.0 for the wipe matrix	Analyte added to 8330B; Method EPA 314.0 added for the wipe matrix as SOP, Certified	
1/24/2013	Add evaporation prep method to 9310	Prep method added	

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1/24/2013	Add Chlorite as an analyte to EPA 300.1 and EPA 300.0; add Atrazine-d5 as a surrogate for EPA 8321	Analyte and surrogate added	
1/30/2013	Change "SM18 5310 B" to "SM 5310 B"	Method updated	
2/22/2013	Add methods SM 4500-CN E and SM 2320 B; add Bicarbonate (as CaCO ₃) and Alkalinity, Total (as CaCO ₃) as analytes to SM 2320 B	Methods added; analytes not added	Alkalinity is reported for SM 2320 B; Bicarbonate and Alkalinity, Total are not necessary
3/5/2013	Add Cyclohexanone and Tetrahydrofuran as analytes to EPA 8260	Analytes added as EPA 8260 (SOP Certified)	
3/5/2013	Add Strontium as an analyte to EPA 200.8 and EPA 6020	Analyte added as EPA 200.8 (Certified) and EPA 6020 (Certified)	
3/25/2013	Add Atrazine and Simazine as analytes to EPA 8270 for the AQ and SO matrices	Analytes added as EPA 8270 (Certified)	
3/25/2013	Add a Percent Moisture method (and analyte) by SOP for the SED and SO matrices	Method and analyte added	
4/1/2013	Remove (duplicate) method EPA 1613B	Duplicate method removed	
4/15/2013	Add Decachlorobiphenyl and Tetrachloro-m-xylene as surrogates to EPA 8091	Surrogates added	
5/10/2013	Add 2-Bromo-1-chloropropane as a surrogate to EPA 8260B	Surrogate added	
5/28/2013	Add EPA 6850 for Perchlorate ClO ₄ analysis by LC/MS	Method added to the AQ, SED, and SO matrices	
5/30/2013	Add Isopropyl Ether as an analyte to EPA 8260	Analyte added	
6/21/2013	Add SM 3500 Cr-B for Chromium VI	Method added	
6/21/2013	Update analyte name for SM 5310 B from "Carbon-Organic" to "Carbon-Total Organic"	Update made	
8/6/2013	Add 8 Dioxin/Furan analytes to EPA 8290 for the AQ, SED, and SO matrices (Total: HpCDD, HpCDF, HxCDD, HxCDF, PeCDD, PeCDF, TCDD, TCDF)	Analytes added	
8/13/2013	Add Titanium as an analyte to EPA 200.7	Analyte added	
11/18/2013	Add 2-Chloronaphthalene as an analyte to EPA 8270/PAH Low Level	Analyte added	
1/14/2014	Add 13 metals to EPA 6020 Wipe matrix	Analytes added	

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1/14/2014	Add EPA 6020 (Certified) with Boron, Titanium, Tungsten, and Zirconium as additional analytes for the Wipe matrix	Method and analytes added	
1/14/2014	Add Glyphosate 13C 15N and Diquat-d4 as surrogates for EPA 8321	Surrogates added	
1/14/2014	Add EPA t6020 (Not Certified) with Aqueous and Wipe matrices; add Tungsten as an analyte	Method and analyte added	
1/24/2014	Add Carbon Dioxide as an analyte to RSK-175 (Not Certified)	Analyte added	
1/27/2014	Change holding times from 48.9 to 48.99 and 24.9 to 24.99 for 74 analytical methods	Holding times changed	
3/7/2014	Add 1,4-Dioxane as an analyte to EPA 8270 (Certified) for the AQ, SED, and SO matrices	Analyte added	
3/31/2014	Add EPA 7010 (metals by GFAA) for the AQ, SED, and SO matrices	Method added	
5/19/2014	Add D3590 as a prep method for ASTM TKN	Method added	
5/19/2014	Add 8 surrogates to match library for DEP Bureau of Labs	Surrogates added	
5/21/2014	Add C21-C35 Aliphatics, TPHC635 as a spike analyte, and 1-Chlorooctane as a surrogate for TPHCWG	QC and analytes added	
6/10/2014	Add micro-extraction of VOA's and SVOA's Prep Method 3511 to EPA 8081 and EPA 8082 AQ matrix	Prep method added	
7/3/2014	Add 1,2-Diphenylhydrazine plus Azobenzene as an analyte to EPA 8270	Analyte added	
7/3/2014	Add EPA TO-15 (Air Matrix) with 74 analytes	Method and analytes added	
7/3/2014	Replace EPA 1664 A with EPA 1664 B (revision) and add missing QC control limits; method renamed EPA 1664	Method replaced	
7/21/2014	Add SM 4500-CN M (Not Certified) for the AQ matrix; add Thiocyanate and Sodium Thiocyanate as analytes	Method and analytes added	
7/24/2014	Add Naphthalene, GRO (Gasoline Range Organics), and total Xylenes as analytes and a,a,a-Trifluorotoluene as a surrogate to M-18 (Not Certified)	Analytes and surrogates added	
7/24/2014	Add total Xylenes as an analyte and add a,a,a-Trifluorotoluene as a surrogate to M-18	Analyte and surrogate added	
8/18/2014	Add EPA 1312/FDEP FL-PRO, EPA 1312/8310, and EPA 1312/8270/PAH Low Level for the AQ, SED, and SO matrices	Methods added	

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9/17/2014	Add new air method TO-15 (SOP); new method to contain all analytes from TO-15 and additional analytes n-Decane, n-Pentane, n-Dodecane, n-Undecane, n-Nonane, n-Octane, n-Propylbenzene, Alpha Methyl Styrene, and Dibromomethane	Method and analytes added	
9/29/2014	Add Gasoline Range Organics (GRO) as an analyte to EPA TO-3 (Certified)	Analyte added	
11/17/2014	Update Air Method units	Updates made	
12/9/2014	Add 2-Methylnaphthalene-d10 and Fluoranthene-d10 as surrogates to EPA 8270 and EPA 8270/PAH Low Level for the AQ, SED, and SO matrices	Surrogates added	
1/5/2015	Add t-Butyl alcohol as an analyte to EPA 8260 for the AQ, SED, and SO matrices	Analyte added	
1/21/2015	Add EPA 9023	Method added	
2/4/2015	Standardize reporting units to mg/kg for the SO and SED matrices for EPA 200.9, EPA 6010 (Not Certified), and EPA 7010	Updates made	
2/4/2015	Standardize reporting units to ug/kg for the SO and SED matrices for EPA 8015, EPA 8015 (Certified), EPA 8021, EPA 8041-Derivatized, EPA 8041-Non-Derivatized, EPA 8061, EPA 8070, EPA 8100, EPA 8275, EPA 8310, EPA 8318, EPA 8321, and TPHCWG	Updates made	
2/10/2015	Add 234/UV-VIS (SOP Certified) for Nitrocellulose in the AQ, SED, SO, and Wipe matrices	Method added	
2/10/2015	Add FDEP FLO-PRO for the Wipe matrix	Method added	
2/10/2015	Add EPA 8270 Diphenylamine for the Wipe matrix	Method added	
2/10/2015	Add EPA 8260 Acetone, Isopropyl Alcohol, and Styrene for the Wipe matrix	Method added	
2/10/2015	Add EPA 6010 Titanium for the Wipe matrix	Method added	
2/10/2015	Add all analytes by EPA 8330 for the Wipe matrix	Analytes added	
2/18/2015	Add EPA 6850 for Perchlorate for the Wipe matrix	Method added	
2/19/2015	Add EPA 6860 for Perchlorate for the AQ, SED, SO, and Wipe matrices	Method added	
2/25/2015	Add Zirconium as an analyte to EPA 6010 (Certified) for the AQ matrix	Analyte added	

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Date	Subject	Disposition	Comments
2/27/2015	Changed the AnalyteName "Xylenes (Total)" to "Xylenes-Total" for methods EPA 1311/8260 and EPA 1312/8260 for the AQ, SED, SO, and Waste matrices, EPA 624 and EPA 624-unpreserved for the AQ matrix, and EPA 8260 for the Waste matrix. Changes made to maintain consistency across methods and matrices in the library	Changes made	
3/6/2015	Add 4-Methyl-2-Pentatone (MIBK) as an analyte to new method EPA 8021 (Certified) for the AQ, SED, and SO matrices	Analyte and method added	
3/9/2015	Add EPA 1311/8021, EPA 1312/8021, EPA 1311/8021 (Certified), and EPA 1312/8021 (Certified) for the AQ, SED, and SO matrices	Methods added	
3/11/2015	Add 1-Bromo-4-Chlorobenzene (DEP-SURR-086) as a surrogate to the Air method M-18 (Not Certified)	Surrogate added	
4/10/2015	Add C5-C6 Aliphatics and C16-C35 Aliphatics as analytes to TPHCWG for the SED and SO matrices	Analytes added	
4/20/2015	Add Benzo(a)pyrene-d12 and 1-Methylnaphthalene-d10 as surrogates to EPA 8270/PAH Low Level for the AQ, SED, and SO matrices	Surrogates added	
4/21/2015	Add Triacontane (c30) as a surrogate to FDEP FL-PRO for the AQ, SED, SO, WASTE, and Wipe matrices	Surrogate added	
4/21/2015	Add 2-Butanone as an analyte to EPA 8021 (Not Certified), EPA 13/11/8021 (Not Certified), and EPA 1312/8021 (Not Certified) for the AQ, SED, and SO matrices	Analyte added	
4/29/2015	Add Benzo(e)pyrene-d12 as a surrogate to EPA 8270/PAH Low Level for the AQ, SED, and SO matrices	Surrogate added	
6/8/2015	Add Ethanol as an analyte to EPA 8260 for the AQ matrix	Analyte added	
8/17/2015	Add Ethyl tert-Butyl Ether and tert-Amyl Methyl Ether as analytes to EPA 8260 for the AQ, SO, and SED matrices	Analytes added	
9/29/2015	Add 2,5-Dibromotoluene as a surrogate to MADEP VPH	Surrogate added	
9/29/2015	Add EPA 1030 for the parameter Ignitability	Method added	
10/21/2015	Add EPA 415.1 for Total Organic Carbon for the AQ matrix	Method added	
12/14/2015	Add O,O,O-Triethylphosphorothioate as an analyte to EPA 8141 (Certified) for the AQ, SO, and SED matrices	Analyte added	
4/11/2016	Add EPA 8260 (Certified) for the AQ, SO and SED matrices	Method added	

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4/11/2016	Add 1,2,3-Trimethylbenzene as an analyte to EPA 8260 (Certified) for the AQ, SO, and SED matrices	Analyte added	
4/19/2016	Add SM 9215 B for the analyte Heterotrophic Plate Count for the AQ matrix	Method added	
4/20/2016	Add Chloropicrin and Biphenyl as analytes to EPA 8260 (Certified) for the AQ, SO, and SED matrices	Analytes added	
4/20/2016	Add EPA 8270 (Not Certified) for the AQ, SO, and SED matrices	Method added	
4/20/2016	Add 2,3,5-Trimethylnaphthalene, 2,6-Dimethylnaphthalene, Dibenzothiophene, and 1-Methylphenantrene as analytes to EPA 8270 (Not Certified) for the AQ, SO, and SED matrices	Analytes added	
10/14/2016	Add 1,2-Dibromoethane and 1,2-Dibromo-3-Chloro-Propane as analytes to EPA 8260 SIM for the AQ matrix	Analytes added	
10/14/2016	Add the "AGRO Walkley-Black" method for Total Organic Carbon for the SO matrix	Method added	
8/29/2017	Add Ortho-Terphenyl as a surrogate to EPA 610-HPLC for the AQ matrix	Surrogate added	
12/15/2017	Add Systea EasyChem (1-Reagent)(Nitrate) and Systea EasyChem (1-Reagent)(Nitrate-Nitrite) methods for the AQ matrix	Methods added	
9/18/2018	Add 2-Chloronaphthalene as an analyte to EPA 8270/PAH Low Level for the SO and SED matrices	Analyte added	
9/25/2018	Add EPA 608.3, EPA 624.1 and EPA 625.1 for the AQ matrix	Methods added	
1/9/2019	Add DEP-SURR-084 and DEP-SURR-085 as surrogates to EPA 1312/8270 for the AQ, SED, and SO matrices, and add to EPA 1312/8270/PAH Low Level for the SED and SO matrices	Surrogates added	
3/25/2019	Add ASTM D516-11, Sulfate for the AQ matrix and add ASTM D3590-11B, Total Kjeldahl Nitrogen (TKN) for the AQ matrix	Methods and analytes added	
1/15/2020	Add EPA 7473, Mercury for the AQ, SO, and SED matrices	Method added	
4/23/2020	Update the ClientAnalyteID for Total Kjeldahl Nitrogen, (TKN) from 1790 to 1795, including updating all the appropriate methods	Update made	
4/23/2020	Add Method EPA 8321 (PFAS) for the AQ matrix. This method includes the 24 analyte names and abbreviated synonyms, and the 19 surrogates and their abbreviated synonyms, all as listed in the proposed EPA Method 8327	Method added	

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5/25/2020	Add Drinking Water Methods for the AQ matrix; EPA 533, EPA 537, and EPA 537.1 for PFAS type compounds	Methods added	
7/15/2020	Add Method EPA 8321 (PFAS) for the SO matrix	Method added	
8/26/2020	Add Method SIMPLATE for Heterotrophic plate count for the AQ matrix	Method added	
9/28/2020	Add Method EPA 537 (SOP), an SOP for the analysis of 36 PFAS type analytes for the AQ and SO matrices (method includes 25 isotopically labeled surrogates)	Method added	
4/27/2021	Add Standard Method SM 5310 C for the analysis of Total Organic Carbon (TOC) for the AQ matrix	Method added	
5/10/2021	Add Standard Method SM 9222 C (MF) for Fecal Coliform for the AQ and SO matrices	Method added	
5/26/2021	Add Standard Method SM 4500-H+B for pH for the AQ matrix	Method added	
5/26/2021	Add Standard Method SM 2540 G for Total Solids, Volatile Solids, and Fixed Solids for the SED and SO matrices	Method added	
5/26/2021	Add Standard Method SM 9221 CE for Fecal Coliform for the AQ, SED, and SO matrices	Method added	
6/17/2021	Add 1,2,3-Trichloropropane to Method EPA 8260 SIM for the AQ matrix	Analyte added	
7/21/2021	Add Method Cr(III) Calculated for the AQ matrix	Method added	
7/26/2021	Add Method EPA 1312/7470 for Mercury for the SED and SO matrices	Method added	
8/11/2021	Add Ethylene Oxide to Method EPA 624.1 for the AQ matrix	Analyte added	
9/20/2021	Add Benzaldehyde, Biphenyl, and Caprolactam as analytes to Method EPA 8270 (Certified) for the AQ, SO, and SED matrices	Analytes added	
10/5/2021	Add 3,5-Dinitroaniline to Method EPA 8330 (Certified) for the AQ, SO, and SED matrices	Method added	
12/7/2021	Add the AQ matrix for Method EPA 1010 for Flashpoint	Matrix added	
12/7/2021	Add DEP-SURR-057, 1,4-Dioxane-d8 as a surrogate to Method EPA 8270 (Certified) for the AQ matrix	Surrogate added	
12/19/2021	Add 1,2-Dinitrobenzene as a surrogate to Method EPA 8330 for the SO and SED matrices	Surrogate added	
12/31/2021	Add Carbazole and Dibenzofuran as analytes to Method EPA 8270/PAH Low-Level for the AQ, SO, and SED matrices	Analytes added	

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2/7/2022	Add the combination analyte 1,2-Diphenylhydrazine plus Azobenzene to Method EPA 8270 for the AQ and SO matrices	Analyte added	
3/1/2022	Add Zirconium as an analyte to EPA 6010 (Certified) for the SO and SED matrices	Analyte added	
3/25/2022	Add Ethylene Oxide to Method EPA 8260 for the AQ matrix	Analyte added	
5/5/2022	Add Method EPA 200.7 (Not Certified) for Tungsten for the AQ matrix	Method added	
5/23/2022	Add Method EPA 8082 (Certified) for the AQ matrix	Method added	
5/23/2022	Add PCB-1262 and PCB-1268 as analytes to Method EPA 8082 (Certified) for the AQ matrix	Analytes added	
5/31/2022	Add Method EPA 354.1 for Nitrite for the AQ matrix	Method added	
6/23/2022	Add Tetraethyllead as an analyte to Method EPA 8270 (Not Certified) for the AQ matrix	Analyte added	
9/2/2022	Add Method ASTM D3590-17 for Total Kieldahl Nitrogen (TKN) for the AQ matrix	Method added	
9/2/2022	Add Method ASTM D516-16 for Sulfate for the AQ matrix	Method added	
9/22/2022	Add Phosphorus-Total as an analyte to Method EPA 365.3 (Phosphorus-Total) for the SO matrix	Analyte added	
9/22/2022	Add Mercury as an analyte to Method EPA 6020 for the SO matrix	Analyte added	
9/22/2022	Add DEP-SURR-143 as a surrogate for Fluorene-d10 to Method EPA 8270/PAH Low Level for the AQ, SED, and SO matrices	Surrogate added	
4/4/2023	Add a,a-Dimethylphenethylamine to Method EPA 8270 for the SO and SED matrices	Analyte added	
4/13/2023	Add Method EPA 9056 (Nitrocellulose SOP Not Certified) for Nitrocellulose for the AQ matix	Method added	
6/2/2023	Add analyte Titanium to Method EPA 6020 (Certified) for the AQ and SO matrices	Analyte added	
8/8/2023	Add Method "Calculated TTO" for the analyte "Total Toxic Organics" for the AQ matrix with units of ug/L	Method added	
8/15/2023	Add a-Chlordane and g-Chlordane analytes to Method EPA 608.3 for the AQ matrix	Analytes added	

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8/15/2023	Add Method EPA 1633 including 40 analytes and 31 isotopically labeled Extractable Internal Standards as surrogates for the AQ and SO matrices	Method, analytes, and surrogates added	
9/28/2023	Add Methods EPA 376.1 and EPA 376.2 for Sulfide for the AQ matrix	Methods added	
11/3/2023	Add Method EPA 9056 (Total Halides) for the AQ matrix	Method added	
12/18/2023	Add Method COLILERT-18 (Fecal Coliforms) for the analyte "Fecal Coliform" for the AQ matrix	Method added	
3/14/2024	Add analyte isopropyl ether to Method EPA 8260 for the AQ matrix	Analyte added	
8/12/2024	Add Method ASTM D7065 for analytes 4-tert-Octylphenol, Nonylphenol di-ethoxylate, Nonylphenol monoethoxylate, Bisphenol A, and Nonylphenol to the AQ matrix	Method and analytes added	Last updated 8/19/2024