



Associate Director for ESH
 Environment, Safety, and Health
 P.O. Box 1663, MS K491
 Los Alamos, New Mexico 87545
 505-667-4218/Fax 505-665-3811

RECEIVED

JUN 11 2015

**NMED
 Hazardous Waste Bureau**

Environmental Management
 Los Alamos Field Office, MS A316
 3747 West Jemez Road
 Los Alamos, New Mexico 87544
 (505) 667-4255/FAX (505) 606-2132

Date: JUN 11 2015

Refer To: ADESH-15-089

LAUR: LA-UR-14-23327

Locates Action No.: N/A

John Kieling, Bureau Chief
 Hazardous Waste Bureau
 New Mexico Environment Department
 2905 Rodeo Park Drive East, Building 1
 Santa Fe, NM 87505-6303

Subject: Replacement Table B-4.1-1, Analytical Methods Used by Contract Laboratories for Samples Collected under the Interim Plan, of the Interim Facility-Wide Groundwater Monitoring Plan Monitoring Year 2015

Dear Mr. Kieling:

Please replace Table B-4.1-1, Analytical Methods Used by Contract Laboratories for Samples Collected under the Interim Plan, of the Interim Facility-Wide Groundwater Monitoring Plan Monitoring Year 2015. The revised Table B-4.1-1 provides analytical methods used by contract laboratories for samples collected under the Interim Plan. Revised methods for analyzing numerous volatile organic compounds and semivolatile organic compounds will result in lower method detection limits for these constituents.

The revised table is also provided in redline strikeout to indicate revisions. The modifications have also been incorporated into the MY2016 Interim Plan, submitted on June 1, 2015.

If you have questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,

Dave McInroy, Program Director
 Environmental Remediation Program
 Los Alamos National Laboratory

Sincerely,

Christine Gelles, Acting Manager
 Environmental Management
 Los Alamos Field Office

DM/CG/SP:sm

Attachment: Two hard copies with electronic files:

- (1) Table B-4.1-1, Analytical Methods Used by Contract Laboratories for Samples Collected under the Interim Plan (EP2015-0108)
- (2) An electronic copy of the redline-strikeout version of the table that includes all updates

Cy: (w/att.)
Steve Paris, ADEP ER Program, MS M992
Public Reading Room (EPRR)
ADESH Records

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Raymond Martinez, San Ildefonso Pueblo, NM
Dino Chavarria, Santa Clara Pueblo, NM
PRS Database

Cy: (w/o att./date-stamped letter emailed)
lasomailbox@nnsa.doe.gov
Kimberly Davis Lebak, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
Annette Russell, DOE-EM-LA
Hai Shen, DOE-EM-LA
David Rhodes, DOE-EM-LA
Tim Goering, ADEP ER Program
Dave McInroy, ADEP ER Program
Randy Erickson, ADEP
Jocelyn Buckley, ADESH-ENV-CP
Mike Saladen, ADESH-ENV-CP
Tony Grieggs, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Michael Lansing, PADOPS

**Table B-4.1-1
Analytical Methods Used by
Contract Laboratories for Samples Collected under the Interim Plan**

Symbol or CAS No.	Analyte	Analytical Method
VOCs		
67-64-1	Acetone	SW-846:8260B
75-05-8	Acetonitrile	SW-846:8260B
107-02-8	Acrolein	SW-846:8260B
107-13-1	Acrylonitrile	SW-846:8260B
71-43-2	Benzene	SW-846:8260B
108-86-1	Bromobenzene	SW-846:8260B
74-97-5	Bromochloromethane	SW-846:8260B
75-27-4	Bromodichloromethane	SW-846:8260B
75-25-2	Bromoform	SW-846:8260B
74-83-9	Bromomethane	SW-846:8260B
71-36-3	Butanol[1-]	SW-846:8260B
78-93-3	Butanone[2-]	SW-846:8260B
104-51-8	Butylbenzene[n-]	SW-846:8260B
135-98-8	Butylbenzene[sec-]	SW-846:8260B
98-06-6	Butylbenzene[tert-]	SW-846:8260B
75-15-0	Carbon Disulfide	SW-846:8260B
56-23-5	Carbon Tetrachloride	SW-846:8260B
126-99-8	Chloro-1,3-butadiene[2-]	SW-846:8260B
107-05-1	Chloro-1-propene[3-]	SW-846:8260B
108-90-7	Chlorobenzene	SW-846:8260B
124-48-1	Chlorodibromomethane	SW-846:8260B
75-00-3	Chloroethane	SW-846:8260B
67-66-3	Chloroform	SW-846:8260B
74-87-3	Chloromethane	SW-846:8260B
95-49-8	Chlorotoluene[2-]	SW-846:8260B
106-43-4	Chlorotoluene[4-]	SW-846:8260B
96-12-8	Dibromo-3-Chloropropane[1,2-]	SW-846:8011
106-93-4	Dibromoethane[1,2-]	SW-846:8260B
74-95-3	Dibromomethane	SW-846:8011
95-50-1	Dichlorobenzene[1,2-]	SW-846:8260B
541-73-1	Dichlorobenzene[1,3-]	SW-846:8260B
106-46-7	Dichlorobenzene[1,4-]	SW-846:8260B
75-71-8	Dichlorodifluoromethane	SW-846:8260B
75-34-3	Dichloroethane[1,1-]	SW-846:8260B
107-06-2	Dichloroethane[1,2-]	SW-846:8260B
75-35-4	Dichloroethene[1,1-]	SW-846:8260B

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
540-59-0	Dichloroethene[cis/trans-1,2-]	SW-846:8260B
156-59-2	Dichloroethene[cis-1,2-]	SW-846:8260B
156-60-5	Dichloroethene[trans-1,2-]	SW-846:8260B
78-87-5	Dichloropropane[1,2-]	SW-846:8260B
142-28-9	Dichloropropane[1,3-]	SW-846:8260B
594-20-7	Dichloropropane[2,2-]	SW-846:8260B
563-58-6	Dichloropropene[1,1-]	SW-846:8260B
10061-01-5	Dichloropropene[cis-1,3-]	SW-846:8260B
10061-02-6	Dichloropropene[trans-1,3-]	SW-846:8260B
60-29-7	Diethyl Ether	SW-846:8260B
123-91-1	Dioxane[1,4-]	SW-846:8260B
97-63-2	Ethyl Methacrylate	SW-846:8260B
100-41-4	Ethylbenzene	SW-846:8260B
87-68-3	Hexachlorobutadiene	SW-846:8260B
591-78-6	Hexanone[2-]	SW-846:8260B
74-88-4	Iodomethane	SW-846:8260B
78-83-1	Isobutyl alcohol	SW-846:8260B
98-82-8	Isopropylbenzene	SW-846:8260B
99-87-6	Isopropyltoluene[4-]	SW-846:8260B
126-98-7	Methacrylonitrile	SW-846:8260B
80-62-6	Methyl Methacrylate	SW-846:8260B
1634-04-4	Methyl tert-Butyl Ether	SW-846:8260B
108-10-1	Methyl-2-pentanone[4-]	SW-846:8260B
75-09-2	Methylene Chloride	SW-846:8260B
91-20-3	Naphthalene	SW-846:8260B
107-12-0	Propionitrile	SW-846:8260B
103-65-1	Propylbenzene[1-]	SW-846:8260B
100-42-5	Styrene	SW-846:8260B
630-20-6	Tetrachloroethane[1,1,1,2-]	SW-846:8260B
79-34-5	Tetrachloroethane[1,1,2,2-]	SW-846:8260B
127-18-4	Tetrachloroethene	SW-846:8260B
108-88-3	Toluene	SW-846:8260B
76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	SW-846:8260B
87-61-6	Trichlorobenzene[1,2,3-]	SW-846:8260B
120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8260B
71-55-6	Trichloroethane[1,1,1-]	SW-846:8260B
79-00-5	Trichloroethane[1,1,2-]	SW-846:8260B

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
79-01-6	Trichloroethene	SW-846:8260B
75-69-4	Trichlorofluoromethane	SW-846:8260B
96-18-4	Trichloropropane[1,2,3-]	SW-846:8260B
95-63-6	Trimethylbenzene[1,2,4-]	SW-846:8260B
108-67-8	Trimethylbenzene[1,3,5-]	SW-846:8260B
108-05-4	Vinyl acetate	SW-846:8260B
75-01-4	Vinyl Chloride	SW-846:8260B
95-47-6	Xylene[1,2-]	SW-846:8260B
Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	SW-846:8260B
SVOCs		
83-32-9	Acenaphthene	SW-846:8270D
208-96-8	Acenaphthylene	SW-846:8270D
62-53-3	Aniline	SW-846:8270D
120-12-7	Anthracene	SW-846:8270D
1912-24-9	Atrazine	SW-846:8270D
103-33-3	Azobenzene	SW-846:8270D
92-87-5	Benzidine	SW-846:8270D
56-55-3	Benzo(a)anthracene	SW-846:8270D
50-32-8	Benzo(a)pyrene	SW-846:8270D
205-99-2	Benzo(b)fluoranthene	SW-846:8270D
191-24-2	Benzo(g,h,i)perylene	SW-846:8270D
207-08-9	Benzo(k)fluoranthene	SW-846:8270D
65-85-0	Benzoic Acid	SW-846:8270D
100-51-6	Benzyl Alcohol	SW-846:8270D
111-91-1	Bis(2-chloroethoxy)methane	SW-846:8270D
111-44-4	Bis(2-chloroethyl)ether	SW-846:8270D
117-81-7	Bis(2-ethylhexyl)phthalate	SW-846:8270D
101-55-3	Bromophenyl-phenylether[4-]	SW-846:8270D
85-68-7	Butylbenzylphthalate	SW-846:8270D
59-50-7	Chloro-3-methylphenol[4-]	SW-846:8270D
106-47-8	Chloroaniline[4-]	SW-846:8270D
91-58-7	Chloronaphthalene[2-]	SW-846:8270D
95-57-8	Chlorophenol[2-]	SW-846:8270D
7005-72-3	Chlorophenyl-phenyl[4-] Ether	SW-846:8270D
218-01-9	Chrysene	SW-846:8270D
53-70-3	Dibenz(a,h)anthracene	SW-846:8270D
132-64-9	Dibenzofuran	SW-846:8270D
95-50-1	Dichlorobenzene[1,2-]	SW-846:8270D
541-73-1	Dichlorobenzene[1,3-]	SW-846:8270D

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
106-46-7	Dichlorobenzene[1,4-]	SW-846:8270D
91-94-1	Dichlorobenzidine[3,3'-]	SW-846:8270D
120-83-2	Dichlorophenol[2,4-]	SW-846:8270D
84-66-2	Diethylphthalate	SW-846:8270D
131-11-3	Dimethyl Phthalate	SW-846:8270D
105-67-9	Dimethylphenol[2,4-]	SW-846:8270D
84-74-2	Di-n-butylphthalate	SW-846:8270D
534-52-1	Dinitro-2-methylphenol[4,6-]	SW-846:8270D
51-28-5	Dinitrophenol[2,4-]	SW-846:8270D
121-14-2	Dinitrotoluene[2,4-]	SW-846:8270D
606-20-2	Dinitrotoluene[2,6-]	SW-846:8270D
117-84-0	Di-n-octylphthalate	SW-846:8270D
88-85-7	Dinoseb	SW-846:8270D
123-91-1	Dioxane[1,4-]	SW-846:8270D
122-39-4	Diphenylamine	SW-846:8270D
206-44-0	Fluoranthene	SW-846:8270D
86-73-7	Fluorene	SW-846:8270D
118-74-1	Hexachlorobenzene	SW-846:8081A
87-68-3	Hexachlorobutadiene	SW-846:8270D
77-47-4	Hexachlorocyclopentadiene	SW-846:8270D
67-72-1	Hexachloroethane	SW-846:8270D
193-39-5	Indeno(1,2,3-cd)pyrene	SW-846:8270D
78-59-1	Isophorone	SW-846:8270D
90-12-0	Methylnaphthalene[1-]	SW-846:8270D
91-57-6	Methylnaphthalene[2-]	SW-846:8270D
95-48-7	Methylphenol[2-]	SW-846:8270D
106-44-5	Methylphenol[4-]	SW-846:8270D
91-20-3	Naphthalene	SW-846:8270D
88-74-4	Nitroaniline[2-]	SW-846:8270D
99-09-2	Nitroaniline[3-]	SW-846:8270D
100-01-6	Nitroaniline[4-]	SW-846:8270D
98-95-3	Nitrobenzene	SW-846:8270D
88-75-5	Nitrophenol[2-]	SW-846:8270D
100-02-7	Nitrophenol[4-]	SW-846:8270D
55-18-5	Nitrosodiethylamine[N-]	SW-846:8270D
62-75-9	Nitrosodimethylamine[N-]	SW-846:8270D
924-16-3	Nitroso-di-n-butylamine[N-]	SW-846:8270D
621-64-7	Nitroso-di-n-propylamine[N-]	SW-846:8270D
930-55-2	Nitrosopyrrolidine[N-]	SW-846:8270D

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
108-60-1	Oxybis(1-chloropropane)[2,2'-]	SW-846:8270D
608-93-5	Pentachlorobenzene	SW-846:8270D
87-86-5	Pentachlorophenol	SW-846:8151A
85-01-8	Phenanthrene	SW-846:8270D
108-95-2	Phenol	SW-846:8270D
129-00-0	Pyrene	SW-846:8270D
110-86-1	Pyridine	SW-846:8270D
95-94-3	Tetrachlorobenzene[1,2,4,5]	SW-846:8270D
58-90-2	Tetrachlorophenol[2,3,4,6-]	SW-846:8270D
120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8270D
95-95-4	Trichlorophenol[2,4,5-]	SW-846:8270D
88-06-2	Trichlorophenol[2,4,6-]	SW-846:8270D
Low-MDL VOCs		
107-02-8	Acrolein	SW-846:8260B
107-13-1	Acrylonitrile	SW-846:8260B
126-99-8	Chloro-1,3-butadiene[2-]	SW-846:8260B
126-98-7	Methacrylonitrile	SW-846:8260B
96-18-4	Trichloropropane[1,2,3-]	SW-846:8011
Low-MDL SVOCs		
103-33-3	Azobenzene	SW-846:8270D
92-87-5	Benzidine	SW-846:8270D
111-44-4	Bis(2-chloroethyl)ether	SW-846:8270D
91-94-1	Dichlorobenzidine[3,3'-]	SW-846:8270D
534-52-1	Dinitro-2-methylphenol[4,6-]	SW-846:8270D
55-18-5	Nitrosodiethylamine[N-]	SW-846:8270D
62-75-9	Nitrosodimethylamine[N-]	SW-846:8270D
924-16-3	Nitroso-di-n-butylamine[N-]	SW-846:8270D
621-64-7	Nitroso-di-n-propylamine[N-]	SW-846:8270D
930-55-2	Nitrosopyrrolidine[N-]	SW-846:8270D
Low-MDL VOCs and SVOCs Polycyclic Aromatic Hydrocarbons		
83-32-9	Acenaphthene	SW-846:8270D
208-96-8	Acenaphthylene	SW-846:8270D
120-12-7	Anthracene	SW-846:8270D
56-55-3	Benzo(a)anthracene	SW-846:8270D
50-32-8	Benzo(a)pyrene	SW-846:8270D
205-99-2	Benzo(b)fluoranthene	SW-846:8270D
191-24-2	Benzo(g,h,i)perylene	SW-846:8270D
207-08-9	Benzo(k)fluoranthene	SW-846:8270D
218-01-9	Chrysene	SW-846:8270D

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
53-70-3	Dibenz(a,h)anthracene	SW-846:8270D
206-44-0	Fluoranthene	SW-846:8270D
86-73-7	Fluorene	SW-846:8270D
193-39-5	Indeno(1,2,3-cd)pyrene	SW-846:8270D
90-12-0	Methylnaphthalene[1-]	SW-846:8270D
91-57-6	Methylnaphthalene[2-]	SW-846:8270D
91-20-3	Naphthalene	SW-846:8270D
85-01-8	Phenanthrene	SW-846:8270D
129-00-0	Pyrene	SW-846:8270D
Polychlorinated Biphenyls		
12674-11-2	Aroclor-1016	SW-846:8082
11104-28-2	Aroclor-1221	SW-846:8082
11141-16-5	Aroclor-1232	SW-846:8082
53469-21-9	Aroclor-1242	SW-846:8082
12672-29-6	Aroclor-1248	SW-846:8082
11097-69-1	Aroclor-1254	SW-846:8082
11096-82-5	Aroclor-1260	SW-846:8082
37324-23-5	Aroclor-1262	SW-846:8082
High Explosives		
6629-29-4	2,4-Diamino-6-nitrotoluene	SW-846:8321A_MOD
59229-75-3	2,6-Diamino-4-nitrotoluene	SW-846:8321A_MOD
618-87-1	3,5-Dinitroaniline	SW-846:8321A_MOD
19406-51-0	Amino-2,6-dinitrotoluene[4-]	SW-846:8321A_MOD
35572-78-2	Amino-4,6-dinitrotoluene[2-]	SW-846:8321A_MOD
99-65-0	Dinitrobenzene[1,3-]	SW-846:8321A_MOD
121-14-2	Dinitrotoluene[2,4-]	SW-846:8321A_MOD
606-20-2	Dinitrotoluene[2,6-]	SW-846:8321A_MOD
2691-41-0	HMX	SW-846:8321A_MOD
98-95-3	Nitrobenzene	SW-846:8321A_MOD
88-72-2	Nitrotoluene[2-]	SW-846:8321A_MOD
99-08-1	Nitrotoluene[3-]	SW-846:8321A_MOD
99-99-0	Nitrotoluene[4-]	SW-846:8321A_MOD
78-11-5	PETN	SW-846:8321A_MOD
121-82-4	RDX	SW-846:8321A_MOD
3058-38-6	TATB	SW-846:8321A_MOD
479-45-8	Tetryl	SW-846:8321A_MOD
99-35-4	Trinitrobenzene[1,3,5-]	SW-846:8321A_MOD
118-96-7	Trinitrotoluene[2,4,6-]	SW-846:8321A_MOD
78-30-8	Tris (o-cresyl) phosphate	SW-846:8321A_MOD

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
Dioxins/Furans		
35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	SW-846:8290A
37871-00-4	Heptachlorodibenzodioxins (Total)	SW-846:8290A
67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	SW-846:8290A
55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	SW-846:8290A
38998-75-3	Heptachlorodibenzofurans (Total)	SW-846:8290A
39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	SW-846:8290A
57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	SW-846:8290A
19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	SW-846:8290A
34465-46-8	Hexachlorodibenzodioxins (Total)	SW-846:8290A
70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	SW-846:8290A
57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	SW-846:8290A
72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	SW-846:8290A
60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	SW-846:8290A
55684-94-1	Hexachlorodibenzofurans (Total)	SW-846:8290A
3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	SW-846:8290A
39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	SW-846:8290A
40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	SW-846:8290A
36088-22-9	Pentachlorodibenzodioxins (Total)	SW-846:8290A
57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	SW-846:8290A
57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	SW-846:8290A
30402-15-4	Pentachlorodibenzofurans (Totals)	SW-846:8290A
1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	SW-846:8290A
41903-57-5	Tetrachlorodibenzodioxins (Total)	SW-846:8290A
51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	SW-846:8290A
55722-27-5	Tetrachlorodibenzofurans (Totals)	SW-846:8290A

Table B-4.1-1
Analytical Methods Used by
Contract Laboratories for Samples Collected under the Interim Plan

Symbol or CAS No.	Analyte	Analytical Method
VOCs		
67-64-1	Acetone	SW-846:8260B
75-05-8	Acetonitrile	SW-846:8260B
107-02-8	Acrolein	SW-846:8260B
107-13-1	Acrylonitrile	SW-846:8260B
71-43-2	Benzene	SW-846:8260B
108-86-1	Bromobenzene	SW-846:8260B
74-97-5	Bromochloromethane	SW-846:8260B
75-27-4	Bromodichloromethane	SW-846:8260B
75-25-2	Bromoform	SW-846:8260B
74-83-9	Bromomethane	SW-846:8260B
71-36-3	Butanol[1-]	SW-846:8260B
78-93-3	Butanone[2-]	SW-846:8260B
104-51-8	Butylbenzene[n-]	SW-846:8260B
135-98-8	Butylbenzene[sec-]	SW-846:8260B
98-06-6	Butylbenzene[tert-]	SW-846:8260B
75-15-0	Carbon Disulfide	SW-846:8260B
56-23-5	Carbon Tetrachloride	SW-846:8260B
126-99-8	Chloro-1,3-butadiene[2-]	SW-846:8260B
107-05-1	Chloro-1-propene[3-]	SW-846:8260B
108-90-7	Chlorobenzene	SW-846:8260B
124-48-1	Chlorodibromomethane	SW-846:8260B
75-00-3	Chloroethane	SW-846:8260B
67-66-3	Chloroform	SW-846:8260B
74-87-3	Chloromethane	SW-846:8260B
95-49-8	Chlorotoluene[2-]	SW-846:8260B
106-43-4	Chlorotoluene[4-]	SW-846:8260B
96-12-8	Dibromo-3-Chloropropane[1,2-]	SW-846:8011260B
106-93-4	Dibromoethane[1,2-]	SW-846:8260B
74-95-3	Dibromomethane	SW-846:8011260B
95-50-1	Dichlorobenzene[1,2-]	SW-846:8260B
541-73-1	Dichlorobenzene[1,3-]	SW-846:8260B
106-46-7	Dichlorobenzene[1,4-]	SW-846:8260B
75-71-8	Dichlorodifluoromethane	SW-846:8260B
75-34-3	Dichloroethane[1,1-]	SW-846:8260B
107-06-2	Dichloroethane[1,2-]	SW-846:8260B
75-35-4	Dichloroethene[1,1-]	SW-846:8260B

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
540-59-0	Dichloroethene[cis/trans-1,2-]	SW-846:8260B
156-59-2	Dichloroethene[cis-1,2-]	SW-846:8260B
156-60-5	Dichloroethene[trans-1,2-]	SW-846:8260B
78-87-5	Dichloropropane[1,2-]	SW-846:8260B
142-28-9	Dichloropropane[1,3-]	SW-846:8260B
594-20-7	Dichloropropane[2,2-]	SW-846:8260B
563-58-6	Dichloropropene[1,1-]	SW-846:8260B
10061-01-5	Dichloropropene[cis-1,3-]	SW-846:8260B
10061-02-6	Dichloropropene[trans-1,3-]	SW-846:8260B
60-29-7	Diethyl Ether	SW-846:8260B
123-91-1	Dioxane[1,4-]	SW-846:8260B
97-63-2	Ethyl Methacrylate	SW-846:8260B
100-41-4	Ethylbenzene	SW-846:8260B
87-68-3	Hexachlorobutadiene	SW-846:8260B
591-78-6	Hexanone[2-]	SW-846:8260B
74-88-4	Iodomethane	SW-846:8260B
78-83-1	Isobutyl alcohol	SW-846:8260B
98-82-8	Isopropylbenzene	SW-846:8260B
99-87-6	Isopropyltoluene[4-]	SW-846:8260B
126-98-7	Methacrylonitrile	SW-846:8260B
80-62-6	Methyl Methacrylate	SW-846:8260B
1634-04-4	Methyl tert-Butyl Ether	SW-846:8260B
108-10-1	Methyl-2-pentanone[4-]	SW-846:8260B
75-09-2	Methylene Chloride	SW-846:8260B
91-20-3	Naphthalene	SW-846:8260B
107-12-0	Propionitrile	SW-846:8260B
103-65-1	Propylbenzene[1-]	SW-846:8260B
100-42-5	Styrene	SW-846:8260B
630-20-6	Tetrachloroethane[1,1,1,2-]	SW-846:8260B
79-34-5	Tetrachloroethane[1,1,2,2-]	SW-846:8260B
127-18-4	Tetrachloroethene	SW-846:8260B
108-88-3	Toluene	SW-846:8260B
76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	SW-846:8260B
87-61-6	Trichlorobenzene[1,2,3-]	SW-846:8260B
120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8260B
71-55-6	Trichloroethane[1,1,1-]	SW-846:8260B
79-00-5	Trichloroethane[1,1,2-]	SW-846:8260B

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
79-01-6	Trichloroethene	SW-846:8260B
75-69-4	Trichlorofluoromethane	SW-846:8260B
96-18-4	Trichloropropane[1,2,3-]	SW-846:8260B
95-63-6	Trimethylbenzene[1,2,4-]	SW-846:8260B
108-67-8	Trimethylbenzene[1,3,5-]	SW-846:8260B
108-05-4	Vinyl acetate	SW-846:8260B
75-01-4	Vinyl Chloride	SW-846:8260B
95-47-6	Xylene[1,2-]	SW-846:8260B
Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	SW-846:8260B
SVOCs		
83-32-9	Acenaphthene	SW-846:8270D
208-96-8	Acenaphthylene	SW-846:8270D
62-53-3	Aniline	SW-846:8270D
120-12-7	Anthracene	SW-846:8270D
1912-24-9	Atrazine	SW-846:8270D
103-33-3	Azobenzene	SW-846:8270D
92-87-5	Benzidine	SW-846:8270D
56-55-3	Benzo(a)anthracene	SW-846:8270D
50-32-8	Benzo(a)pyrene	SW-846:8270D
205-99-2	Benzo(b)fluoranthene	SW-846:8270D
191-24-2	Benzo(g,h,i)perylene	SW-846:8270D
207-08-9	Benzo(k)fluoranthene	SW-846:8270D
65-85-0	Benzoic Acid	SW-846:8270D
100-51-6	Benzyl Alcohol	SW-846:8270D
111-91-1	Bis(2-chloroethoxy)methane	SW-846:8270D
111-44-4	Bis(2-chloroethyl)ether	SW-846:8270D
117-81-7	Bis(2-ethylhexyl)phthalate	SW-846:8270D
101-55-3	Bromophenyl-phenylether[4-]	SW-846:8270D
85-68-7	Butylbenzylphthalate	SW-846:8270D
59-50-7	Chloro-3-methylphenol[4-]	SW-846:8270D
106-47-8	Chloroaniline[4-]	SW-846:8270D
91-58-7	Chloronaphthalene[2-]	SW-846:8270D
95-57-8	Chlorophenol[2-]	SW-846:8270D
7005-72-3	Chlorophenyl-phenyl[4-] Ether	SW-846:8270D
218-01-9	Chrysene	SW-846:8270D
53-70-3	Dibenz(a,h)anthracene	SW-846:8270D
132-64-9	Dibenzofuran	SW-846:8270D
95-50-1	Dichlorobenzene[1,2-]	SW-846:8270D
541-73-1	Dichlorobenzene[1,3-]	SW-846:8270D

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
106-46-7	Dichlorobenzene[1,4-]	SW-846:8270D
91-94-1	Dichlorobenzidine[3,3'-]	SW-846:8270D
120-83-2	Dichlorophenol[2,4-]	SW-846:8270D
84-66-2	Diethylphthalate	SW-846:8270D
131-11-3	Dimethyl Phthalate	SW-846:8270D
105-67-9	Dimethylphenol[2,4-]	SW-846:8270D
84-74-2	Di-n-butylphthalate	SW-846:8270D
534-52-1	Dinitro-2-methylphenol[4,6-]	SW-846:8270D
51-28-5	Dinitrophenol[2,4-]	SW-846:8270D
121-14-2	Dinitrotoluene[2,4-]	SW-846:8270D
606-20-2	Dinitrotoluene[2,6-]	SW-846:8270D
117-84-0	Di-n-octylphthalate	SW-846:8270D
88-85-7	Dinoseb	SW-846:8270D
123-91-1	Dioxane[1,4-]	SW-846:8270D
122-39-4	Diphenylamine	SW-846:8270D
206-44-0	Fluoranthene	SW-846:8270D
86-73-7	Fluorene	SW-846:8270D
118-74-1	Hexachlorobenzene	SW-846:8081A270D
87-68-3	Hexachlorobutadiene	SW-846:8270D
77-47-4	Hexachlorocyclopentadiene	SW-846:8270D
67-72-1	Hexachloroethane	SW-846:8270D
193-39-5	Indeno(1,2,3-cd)pyrene	SW-846:8270D
78-59-1	Isophorone	SW-846:8270D
90-12-0	Methylnaphthalene[1-]	SW-846:8270D
91-57-6	Methylnaphthalene[2-]	SW-846:8270D
95-48-7	Methylphenol[2-]	SW-846:8270D
106-44-5	Methylphenol[4-]	SW-846:8270D
91-20-3	Naphthalene	SW-846:8270D
88-74-4	Nitroaniline[2-]	SW-846:8270D
99-09-2	Nitroaniline[3-]	SW-846:8270D
100-01-6	Nitroaniline[4-]	SW-846:8270D
98-95-3	Nitrobenzene	SW-846:8270D
88-75-5	Nitrophenol[2-]	SW-846:8270D
100-02-7	Nitrophenol[4-]	SW-846:8270D
55-18-5	Nitrosodiethylamine[N-]	SW-846:8270D
62-75-9	Nitrosodimethylamine[N-]	SW-846:8270D
924-16-3	Nitroso-di-n-butylamine[N-]	SW-846:8270D
621-64-7	Nitroso-di-n-propylamine[N-]	SW-846:8270D
930-55-2	Nitrosopyrrolidine[N-]	SW-846:8270D

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
108-60-1	Oxybis(1-chloropropane)[2,2'-]	SW-846:8270D
608-93-5	Pentachlorobenzene	SW-846:8270D
87-86-5	Pentachlorophenol	SW-846:8151A270D
85-01-8	Phenanthrene	SW-846:8270D
108-95-2	Phenol	SW-846:8270D
129-00-0	Pyrene	SW-846:8270D
110-86-1	Pyridine	SW-846:8270D
95-94-3	Tetrachlorobenzene[1,2,4,5]	SW-846:8270D
58-90-2	Tetrachlorophenol[2,3,4,6-]	SW-846:8270D
120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8270D
95-95-4	Trichlorophenol[2,4,5-]	SW-846:8270D
88-06-2	Trichlorophenol[2,4,6-]	SW-846:8270D
Low-MDL VOCs		
107-02-8	Acrolein	SW-846:8260B
107-13-1	Acrylonitrile	SW-846:8260B
126-99-8	Chloro-1,3-butadiene[2-]	SW-846:8260B
126-98-7	Methacrylonitrile	SW-846:8260B
96-18-4	Trichloropropane[1,2,3-]	SW-846:8011260B
Low-MDL SVOCs		
103-33-3	Azobenzene	SW-846:8270D
92-87-5	Benzidine	SW-846:8270D
111-44-4	Bis(2-chloroethyl)ether	SW-846:8270D
91-94-1	Dichlorobenzidine[3,3'-]	SW-846:8270D
534-52-1	Dinitro-2-methylphenol[4,6-]	SW-846:8270D
55-18-5	Nitrosodiethylamine[N-]	SW-846:8270D
62-75-9	Nitrosodimethylamine[N-]	SW-846:8270D
924-16-3	Nitroso-di-n-butylamine[N-]	SW-846:8270D
621-64-7	Nitroso-di-n-propylamine[N-]	SW-846:8270D
930-55-2	Nitrosopyrrolidine[N-]	SW-846:8270D
Low-MDL VOCs and SVOCs Polycyclic Aromatic Hydrocarbons		
83-32-9	Acenaphthene	SW-846:8270D310
208-96-8	Acenaphthylene	SW-846:8270DSW-846:8310
120-12-7	Anthracene	SW-846:8270DSW-846:8310
56-55-3	Benzo(a)anthracene	SW-846:8270DSW-846:8310
50-32-8	Benzo(a)pyrene	SW-846:8270DSW-846:8310

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
205-99-2	Benzo(b)fluoranthene	SW-846:8270DSW-846:8310
191-24-2	Benzo(g,h,i)perylene	SW-846:8270DSW-846:8310
207-08-9	Benzo(k)fluoranthene	SW-846:8270DSW-846:8310
218-01-9	Chrysene	SW-846:8270DSW-846:8310
53-70-3	Dibenz(a,h)anthracene	SW-846:8270DSW-846:8310
206-44-0	Fluoranthene	SW-846:8270DSW-846:8310
86-73-7	Fluorene	SW-846:8270DSW-846:8310
193-39-5	Indeno(1,2,3-cd)pyrene	SW-846:8270DSW-846:8310
90-12-0	Methylnaphthalene[1-]	SW-846:8270DSW-846:8310
91-57-6	Methylnaphthalene[2-]	SW-846:8270DSW-846:8310
91-20-3	Naphthalene	SW-846:8270DSW-846:8310
85-01-8	Phenanthrene	SW-846:8270DSW-846:8310
129-00-0	Pyrene	SW-846:8270DSW-846:8310
Polychlorinated Biphenyls		
12674-11-2	Aroclor-1016	SW-846:8082
11104-28-2	Aroclor-1221	SW-846:8082
11141-16-5	Aroclor-1232	SW-846:8082
53469-21-9	Aroclor-1242	SW-846:8082
12672-29-6	Aroclor-1248	SW-846:8082
11097-69-1	Aroclor-1254	SW-846:8082
11096-82-5	Aroclor-1260	SW-846:8082
37324-23-5	Aroclor-1262	SW-846:8082
High Explosives		
6629-29-4	2,4-Diamino-6-nitrotoluene	SW-846:8321A_MOD
59229-75-3	2,6-Diamino-4-nitrotoluene	SW-846:8321A_MOD
618-87-1	3,5-Dinitroaniline	SW-846:8321A_MOD
19406-51-0	Amino-2,6-dinitrotoluene[4-]	SW-846:8321A_MOD
35572-78-2	Amino-4,6-dinitrotoluene[2-]	SW-846:8321A_MOD
99-65-0	Dinitrobenzene[1,3-]	SW-846:8321A_MOD
121-14-2	Dinitrotoluene[2,4-]	SW-846:8321A_MOD

Table B-4.1-1 (continued)

Symbol or CAS No.	Analyte	Analytical Method
606-20-2	Dinitrotoluene[2,6-]	SW-846:8321A_MOD
2691-41-0	HMX	SW-846:8321A_MOD
98-95-3	Nitrobenzene	SW-846:8321A_MOD
88-72-2	Nitrotoluene[2-]	SW-846:8321A_MOD
99-08-1	Nitrotoluene[3-]	SW-846:8321A_MOD
99-99-0	Nitrotoluene[4-]	SW-846:8321A_MOD
78-11-5	PETN	SW-846:8321A_MOD
121-82-4	RDX	SW-846:8321A_MOD
3058-38-6	TATB	SW-846:8321A_MOD
479-45-8	Tetryl	SW-846:8321A_MOD
99-35-4	Trinitrobenzene[1,3,5-]	SW-846:8321A_MOD
118-96-7	Trinitrotoluene[2,4,6-]	SW-846:8321A_MOD
78-30-8	Tris (o-cresyl) phosphate	SW-846:8321A_MOD
Dioxins/Furans		
35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	SW-846:8290A
37871-00-4	Heptachlorodibenzodioxins (Total)	SW-846:8290A
67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	SW-846:8290A
55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	SW-846:8290A
38998-75-3	Heptachlorodibenzofurans (Total)	SW-846:8290A
39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	SW-846:8290A
57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	SW-846:8290A
19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	SW-846:8290A
34465-46-8	Hexachlorodibenzodioxins (Total)	SW-846:8290A
70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	SW-846:8290A
57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	SW-846:8290A
72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	SW-846:8290A
60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	SW-846:8290A
55684-94-1	Hexachlorodibenzofurans (Total)	SW-846:8290A
3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	SW-846:8290A
39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	SW-846:8290A
40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	SW-846:8290A
36088-22-9	Pentachlorodibenzodioxins (Total)	SW-846:8290A
57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	SW-846:8290A
57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	SW-846:8290A
30402-15-4	Pentachlorodibenzofurans (Totals)	SW-846:8290A
1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	SW-846:8290A
41903-57-5	Tetrachlorodibenzodioxins (Total)	SW-846:8290A
51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	SW-846:8290A
55722-27-5	Tetrachlorodibenzofurans (Totals)	SW-846:8290A

