



THE STATE
of
ALASKA
GOVERNOR MICHAEL J. DUNLEAVY

Department of Environmental
Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program
Laboratory Approval Program

555 Cordova Street
Anchorage, Alaska 99501
Main: 907.465.3390
Fax: 907.269.7649
cs.lab.cert@alaska.gov

May 6, 2021

Jim Bruya
Friedman & Bruya, Inc
3012 16th Avenue West
Seattle, WA 98119-2029

RE: Contaminated Sites Laboratory Approval **17-017**

Thank you for submitting a completed application to the Alaska Department of Environmental Conservation's Contaminated Sites Laboratory Approval Program (CS-LAP), on April 9, 2021. Based on your lab's National Environmental Laboratory Accreditation Program (NELAP) approval through the Oregon Environmental Laboratory Accreditation Program (ORELAP), Friedman & Bruya, Inc, located at the above address, is granted approved status to perform the analyses listed in the attached *Scope of Approval*, for Alaska contaminated sites projects, including underground storage tanks and leaking underground storage tank sites (UST/LUST), under the July 1, 2017 amendments to 18 AAC 78. This approval is effective May 5, 2021 and expires on May 5, 2022.

Be aware that in accordance with 18 AAC 78.815(b) and 18 AAC 78.815(e), **any** changes in your lab's NELAP approval status for **any** analytes in **any** methods or **any** matrices must be reported to the CS-LAP within 3 business days. This includes any suspension of any analyte(s) due to failed Performance Testing (PT) or Performance Evaluation (PE) samples. **FAILURE TO REPORT A CHANGE IN STATUS WILL RESULT IN REVOCATION OF ALL CS-LAP APPROVALS FOR ALL ANALYTES AND ALL METHODS IN ALL MATRICIES FOR A PERIOD OF ONE YEAR.** Notification should be in writing sent to cs.lab.cert@alaska.gov. We recommend also contacting the CS-LAP by telephone to verify that the message was received.

If you have any questions, please contact the CS-LAP at (907) 465-5390, or by email at cs.lab.cert@alaska.gov. Labs are also highly encouraged to join the CS-LAP listserv by going to <http://list.state.ak.us/mailman/listinfo/cs.lab.approval>.

Respectfully,

Brian England

Attachment: Scope of Approval

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
83-32-9	Soil	Acenaphthene	8270E	ORELAP
83-32-9	Water	Acenaphthene	8270E	ORELAP
208-96-8	Soil	Acenaphthylene	8270E	ORELAP
208-96-8	Water	Acenaphthylene	8270E	ORELAP
67-64-1	Soil	Acetone	8260D	ORELAP
67-64-1	Water	Acetone	8260D	ORELAP
67-64-1	Air	Acetone	TO-15	ORELAP
309-00-2	Soil	Aldrin	8081B	ORELAP
309-00-2	Water	Aldrin	8081B	ORELAP
120-12-7	Soil	Anthracene	8270E	ORELAP
120-12-7	Water	Anthracene	8270E	ORELAP
7440-36-0	Soil	Antimony (metallic)	200.8	ORELAP
7440-36-0	Water	Antimony (metallic)	200.8	ORELAP
7440-36-0	Soil	Antimony (metallic)	6020B	ORELAP
7440-36-0	Water	Antimony (metallic)	6020B	ORELAP
7440-38-2	Soil	Arsenic, Inorganic	200.8	ORELAP
7440-38-2	Water	Arsenic, Inorganic	200.8	ORELAP
7440-38-2	Soil	Arsenic, Inorganic	6020B	ORELAP
7440-38-2	Water	Arsenic, Inorganic	6020B	ORELAP
7440-39-3	Soil	Barium	200.8	ORELAP
7440-39-3	Water	Barium	200.8	ORELAP
7440-39-3	Soil	Barium	6020B	ORELAP
7440-39-3	Water	Barium	6020B	ORELAP
56-55-3	Soil	Benz[a]anthracene	8270E	ORELAP
56-55-3	Water	Benz[a]anthracene	8270E	ORELAP
71-43-2	Soil	Benzene	8021B	ORELAP
71-43-2	Water	Benzene	8021B	ORELAP
71-43-2	Soil	Benzene	8260D	ORELAP
71-43-2	Water	Benzene	8260D	ORELAP
71-43-2	Air	Benzene	TO-15	ORELAP
71-43-2	Air	Benzene	TO-17	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
50-32-8	Soil	Benzo[a]pyrene	8270E	ORELAP
50-32-8	Water	Benzo[a]pyrene	8270E	ORELAP
205-99-2	Soil	Benzo[b]fluoranthene	8270E	ORELAP
205-99-2	Water	Benzo[b]fluoranthene	8270E	ORELAP
191-24-2	Soil	Benzo[g,h,i]perylene	8270E	ORELAP
191-24-2	Water	Benzo[g,h,i]perylene	8270E	ORELAP
207-08-9	Soil	Benzo[k]fluoranthene	8270E	ORELAP
207-08-9	Water	Benzo[k]fluoranthene	8270E	ORELAP
65-85-0	Soil	Benzoic Acid	8270E	ORELAP
65-85-0	Water	Benzoic Acid	8270E	ORELAP
100-51-6	Soil	Benzyl Alcohol	8270E	ORELAP
100-51-6	Water	Benzyl Alcohol	8270E	ORELAP
7440-41-7	Soil	Beryllium and compounds	200.8	ORELAP
7440-41-7	Water	Beryllium and compounds	200.8	ORELAP
7440-41-7	Soil	Beryllium and compounds	6020B	ORELAP
7440-41-7	Water	Beryllium and compounds	6020B	ORELAP
111-44-4	Soil	Bis(2-chloroethyl)ether	8270E	ORELAP
111-44-4	Water	Bis(2-chloroethyl)ether	8270E	ORELAP
117-81-7	Soil	Bis(2-ethylhexyl)phthalate (DEHP)	8270E	ORELAP
117-81-7	Water	Bis(2-ethylhexyl)phthalate (DEHP)	8270E	ORELAP
108-86-1	Soil	Bromobenzene	8260D	ORELAP
108-86-1	Water	Bromobenzene	8260D	ORELAP
75-27-4	Soil	Bromodichloromethane	8260D	ORELAP
75-27-4	Water	Bromodichloromethane	8260D	ORELAP
75-27-4	Air	Bromodichloromethane	TO-15	ORELAP
75-25-2	Soil	Bromoform	8260D	ORELAP
75-25-2	Water	Bromoform	8260D	ORELAP
75-25-2	Air	Bromoform	TO-15	ORELAP
74-83-9	Soil	Bromomethane	8260D	ORELAP
74-83-9	Water	Bromomethane	8260D	ORELAP
74-83-9	Air	Bromomethane	TO-15	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
106-99-0	Air	Butadiene, 1,3-	TO-15	ORELAP
85-68-7	Soil	Butyl Benzyl Phthalate	8270E	ORELAP
85-68-7	Water	Butyl Benzyl Phthalate	8270E	ORELAP
135-98-8	Soil	Butylbenzene, sec-	8260D	ORELAP
135-98-8	Water	Butylbenzene, sec-	8260D	ORELAP
98-06-6	Soil	Butylbenzene, tert-	8260D	ORELAP
98-06-6	Water	Butylbenzene, tert-	200.8	ORELAP
7440-43-9	Soil	Cadmium	200.8	ORELAP
7440-43-9	Water	Cadmium	6020B	ORELAP
7440-43-9	Soil	Cadmium	6020B	ORELAP
7440-43-9	Water	Cadmium	6020B	ORELAP
75-15-0	Air	Carbon Disulfide	TO-15	ORELAP
56-23-5	Soil	Carbon Tetrachloride	8260D	ORELAP
56-23-5	Water	Carbon Tetrachloride	8260D	ORELAP
56-23-5	Air	Carbon Tetrachloride	TO-15	ORELAP
56-23-5	Air	Carbon Tetrachloride	TO-17	ORELAP
5103-71-9	Soil	Chlordane, α-	8081B	ORELAP
5103-71-9	Water	Chlordane, α-	8081B	ORELAP
5103-74-2	Soil	Chlordane, γ-	8081B	ORELAP
5103-74-2	Water	Chlordane, γ-	8081B	ORELAP
106-47-8	Soil	Chloroaniline, p-	8270E	ORELAP
106-47-8	Water	Chloroaniline, p-	8270E	ORELAP
108-90-7	Soil	Chlorobenzene	8260D	ORELAP
108-90-7	Water	Chlorobenzene	8260D	ORELAP
108-90-7	Air	Chlorobenzene	TO-15	ORELAP
108-90-7	Air	Chlorobenzene	TO-17	ORELAP
67-66-3	Soil	Chloroform	8260D	ORELAP
67-66-3	Water	Chloroform	8260D	ORELAP
67-66-3	Air	Chloroform	TO-15	ORELAP
67-66-3	Air	Chloroform	TO-17	ORELAP
74-87-3	Soil	Chloromethane	8260D	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
74-87-3	Water	Chloromethane	8260D	ORELAP
74-87-3	Air	Chloromethane	TO-15	ORELAP
91-58-7	Soil	Chloronaphthalene, Beta-	8270E	ORELAP
91-58-7	Water	Chloronaphthalene, Beta-	8270E	ORELAP
95-57-8	Soil	Chlorophenol, 2-	8270E	ORELAP
95-57-8	Water	Chlorophenol, 2-	8270E	ORELAP
7440-47-3	Soil	Chromium (Total)	200.8	ORELAP
7440-47-3	Water	Chromium (Total)	200.8	ORELAP
7440-47-3	Soil	Chromium (Total)	6020B	ORELAP
7440-47-3	Water	Chromium (Total)	6020B	ORELAP
218-01-9	Soil	Chrysene	8270E	ORELAP
218-01-9	Water	Chrysene	8270E	ORELAP
7440-50-8	Soil	Copper	200.8	ORELAP
7440-50-8	Water	Copper	200.8	ORELAP
7440-50-8	Soil	Copper	6020B	ORELAP
7440-50-8	Water	Copper	6020B	ORELAP
N/A	Soil	Cresol, m- (3-Methylphenol) + Cresol, p- (4-Methylphenol)	8270E	ORELAP
N/A	Water	Cresol, m- (3-Methylphenol) + Cresol, p- (4-Methylphenol)	8270E	ORELAP
95-48-7	Soil	Cresol, o- (2-Methylphenol)	8270E	ORELAP
95-48-7	Water	Cresol, o- (2-Methylphenol)	8260D	ORELAP
98-82-8	Soil	Cumene (isopropylbenzene)	8260D	ORELAP
98-82-8	Water	Cumene (isopropylbenzene)	TO-15	ORELAP
98-82-8	Air	Cumene (isopropylbenzene)	TO-15	ORELAP
110-82-7	Air	Cyclohexane	8081B	ORELAP
72-54-8	Soil	DDD, 4,4'-	8081B	ORELAP
72-54-8	Water	DDD, 4,4'-	8081B	ORELAP
72-55-9	Soil	DDE, 4,4'-	8081B	ORELAP
72-55-9	Water	DDE, 4,4'-	8081B	ORELAP
50-29-3	Soil	DDT, 4,4'-	8081B	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
50-29-3	Water	DDT, 4,4'-	8081B	ORELAP
53-70-3	Soil	Dibenz[a,h]anthracene	8270E	ORELAP
53-70-3	Water	Dibenz[a,h]anthracene	8270E	ORELAP
132-64-9	Soil	Dibenzofuran	8270E	ORELAP
132-64-9	Water	Dibenzofuran	8270E	ORELAP
124-48-1	Soil	Dibromochloromethane	8260D	ORELAP
124-48-1	Water	Dibromochloromethane	8260D	ORELAP
106-93-4	Water	Dibromoethane, 1,2- (Ethylene Dibromide)	8011	ORELAP
106-93-4	Soil	Dibromoethane, 1,2- (Ethylene Dibromide)	8260D	ORELAP
106-93-4	Water	Dibromoethane, 1,2- (Ethylene Dibromide)	8260D	ORELAP
106-93-4	Air	Dibromoethane, 1,2- (Ethylene Dibromide)	TO-15	ORELAP
106-93-4	Air	Dibromoethane, 1,2- (Ethylene Dibromide)	TO-17	ORELAP
74-95-3	Soil	Dibromoethane, 1,2- (Ethylene Dibromide)	8260D	ORELAP
74-95-3	Water	Dibromomethane (Methylene Bromide)	8260D	ORELAP
84-74-2	Soil	Dibromomethane (Methylene Bromide)	8270E	ORELAP
84-74-2	Water	Dibutyl Phthalate	8270E	ORELAP
95-50-1	Soil	Dibutyl Phthalate	8260D	ORELAP
95-50-1	Water	Dichlorobenzene, 1,2-	8260D	ORELAP
95-50-1	Water	Dichlorobenzene, 1,2-	8260D	ORELAP
95-50-1	Soil	Dichlorobenzene, 1,2-	8270E	ORELAP
95-50-1	Water	Dichlorobenzene, 1,2-	8270E	ORELAP
95-50-1	Air	Dichlorobenzene, 1,2-	TO-15	ORELAP
95-50-1	Air	Dichlorobenzene, 1,2-	TO-17	ORELAP
541-73-1	Soil	Dichlorobenzene, 1,3-	8260D	ORELAP
541-73-1	Water	Dichlorobenzene, 1,3-	8260D	ORELAP
541-73-1	Soil	Dichlorobenzene, 1,3-	8270E	ORELAP
541-73-1	Water	Dichlorobenzene, 1,3-	8270E	ORELAP
541-73-1	Air	Dichlorobenzene, 1,3-	TO-15	ORELAP
541-73-1	Air	Dichlorobenzene, 1,3-	TO-17	ORELAP
106-46-7	Soil	Dichlorobenzene, 1,4-	8260D	ORELAP
106-46-7	Water	Dichlorobenzene, 1,4-	8260D	ORELAP
106-46-7	Soil	Dichlorobenzene, 1,4-	8270E	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
106-46-7	Water	Dichlorobenzene, 1,4-	8270E	ORELAP
106-46-7	Air	Dichlorobenzene, 1,4-	TO-15	ORELAP
106-46-7	Air	Dichlorobenzene, 1,4-	TO-17	ORELAP
91-94-1	Soil	Dichlorobenzidine, 3,3'-	8270E	ORELAP
91-94-1	Water	Dichlorobenzidine, 3,3'-	8270E	ORELAP
75-71-8	Soil	Dichlorodifluoromethane (Freon-12)	8260D	ORELAP
75-71-8	Water	Dichlorodifluoromethane (Freon-12)	8260D	ORELAP
75-71-8	Air	Dichlorodifluoromethane (Freon-12)	TO-15	ORELAP
75-71-8	Air	Dichlorodifluoromethane (Freon-12)	TO-17	ORELAP
75-34-3	Soil	Dichloroethane, 1,1-	8260D	ORELAP
75-34-3	Water	Dichloroethane, 1,1-	8260D	ORELAP
75-34-3	Air	Dichloroethane, 1,1-	TO-15	ORELAP
75-34-3	Air	Dichloroethane, 1,1-	TO-17	ORELAP
107-06-2	Soil	Dichloroethane, 1,2-	8260D	ORELAP
107-06-2	Water	Dichloroethane, 1,2-	8260D	ORELAP
107-06-2	Air	Dichloroethane, 1,2-	TO-15	ORELAP
107-06-2	Air	Dichloroethane, 1,2-	TO-17	ORELAP
75-35-4	Soil	Dichloroethylene, 1,1-	8260D	ORELAP
75-35-4	Water	Dichloroethylene, 1,1-	8260D	ORELAP
75-35-4	Air	Dichloroethylene, 1,1-	TO-15	ORELAP
75-35-4	Air	Dichloroethylene, 1,1-	TO-17	ORELAP
156-59-2	Soil	Dichloroethylene, 1,2-cis-	8260D	ORELAP
156-59-2	Water	Dichloroethylene, 1,2-cis-	8260D	ORELAP
156-59-2	Air	Dichloroethylene, 1,2-cis-	TO-15	ORELAP
156-59-2	Air	Dichloroethylene, 1,2-cis-	TO-17	ORELAP
156-60-5	Soil	Dichloroethylene, 1,2-trans-	8260D	ORELAP
156-60-5	Water	Dichloroethylene, 1,2-trans-	8260D	ORELAP
156-60-5	Air	Dichloroethylene, 1,2-trans-	TO-15	ORELAP
120-83-2	Soil	Dichlorophenol, 2,4-	8270E	ORELAP
120-83-2	Water	Dichlorophenol, 2,4-	8270E	ORELAP
78-87-5	Soil	Dichloropropane, 1,2-	8260D	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
78-87-5	Water	Dichloropropane, 1,2-	8260D	ORELAP
78-87-5	Air	Dichloropropane, 1,2-	TO-15	ORELAP
78-87-5	Air	Dichloropropane, 1,2-	TO-17	ORELAP
542-75-6	Soil	Dichloropropene, 1,3- (cis + trans)	8260D	ORELAP
542-75-6	Water	Dichloropropene, 1,3- (cis + trans)	8260D	ORELAP
542-75-6	Air	Dichloropropene, 1,3- (cis + trans)	TO-15	ORELAP
10061-01-5	Air	Dichloropropene, cis-1,3-	TO-17	ORELAP
10061-02-6	Air	Dichloropropene, trans-1,3-	TO-17	ORELAP
60-57-1	Soil	Dieldrin	8081B	ORELAP
60-57-1	Water	Dieldrin	8081B	ORELAP
N/A	Soil	Diesel Range Organics (C10 – C25)	AK 102	ORELAP
N/A	Water	Diesel Range Organics (C10 – C25)	AK 102	ORELAP
84-66-2	Soil	Diethyl Phthalate	8270E	ORELAP
84-66-2	Water	Diethyl Phthalate	8270E	ORELAP
105-67-9	Soil	Dimethylphenol, 2,4-	8270E	ORELAP
105-67-9	Water	Dimethylphenol, 2,4-	8270E	ORELAP
131-11-3	Soil	Dimethylphthalate	8270E	ORELAP
131-11-3	Water	Dimethylphthalate	8270E	ORELAP
51-28-5	Soil	Dinitrophenol, 2,4-	8270E	ORELAP
51-28-5	Water	Dinitrophenol, 2,4-	8270E	ORELAP
121-14-2	Soil	Dinitrotoluene, 2,4- (2,4-DNT)	8270E	ORELAP
121-14-2	Water	Dinitrotoluene, 2,4- (2,4-DNT)	8270E	ORELAP
606-20-2	Soil	Dinitrotoluene, 2,6- (2,6-DNT)	8270E	ORELAP
606-20-2	Water	Dinitrotoluene, 2,6- (2,6-DNT)	8270E	ORELAP
123-91-1	Soil	Dioxane, 1,4-	8260D-SIM	ORELAP
123-91-1	Water	Dioxane, 1,4-	8260D-SIM	ORELAP
123-91-1	Air	Dioxane, 1,4-	TO-15	ORELAP
959-98-8	Soil	Endosulfan I	8081B	ORELAP
959-98-8	Water	Endosulfan I	8081B	ORELAP
33213-65-9	Soil	Endosulfan II	8081B	ORELAP
33213-65-9	Water	Endosulfan II	8081B	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
1031-07-8	Soil	Endosulfan sulfate	8081B	ORELAP
1031-07-8	Water	Endosulfan sulfate	8081B	ORELAP
72-20-8	Soil	Endrin	8081B	ORELAP
72-20-8	Water	Endrin	8081B	ORELAP
75-00-3	Air	Ethyl Chloride	TO-15	ORELAP
100-41-4	Soil	Ethylbenzene	8021B	ORELAP
100-41-4	Water	Ethylbenzene	8021B	ORELAP
100-41-4	Soil	Ethylbenzene	8260D	ORELAP
100-41-4	Water	Ethylbenzene	8260D	ORELAP
100-41-4	Air	Ethylbenzene	TO-15	ORELAP
100-41-4	Air	Ethylbenzene	TO-17	ORELAP
206-44-0	Soil	Fluoranthene	8270E	ORELAP
206-44-0	Water	Fluoranthene	8270E	ORELAP
86-73-7	Soil	Fluorene	8270E	ORELAP
86-73-7	Water	Fluorene	8270E	ORELAP
N/A	Soil	Gasoline Range Organics (C6 – C10)	AK 101	ORELAP
N/A	Water	Gasoline Range Organics (C6 – C10)	AK 101	ORELAP
76-44-8	Soil	Heptachlor	8081B	ORELAP
76-44-8	Water	Heptachlor	8081B	ORELAP
1024-57-3	Soil	Heptachlor Epoxide	8081B	ORELAP
1024-57-3	Water	Heptachlor Epoxide	8081B	ORELAP
118-74-1	Soil	Hexachlorobenzene	8270E	ORELAP
118-74-1	Water	Hexachlorobenzene	8270E	ORELAP
87-68-3	Soil	Hexachlorobutadiene	8260D	ORELAP
87-68-3	Water	Hexachlorobutadiene	8260D	ORELAP
87-68-3	Soil	Hexachlorobutadiene	8270E	ORELAP
87-68-3	Water	Hexachlorobutadiene	8270E	ORELAP
87-68-3	Air	Hexachlorobutadiene	TO-15	ORELAP
87-68-3	Air	Hexachlorobutadiene	TO-17	ORELAP
319-84-6	Soil	Hexachlorocyclohexane, Alpha- (α -BHC)	8081B	ORELAP
319-84-6	Water	Hexachlorocyclohexane, Alpha- (α -BHC)	8081B	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
319-85-7	Soil	Hexachlorocyclohexane, Beta- (β-BHC)	8081B	ORELAP
319 85-7	Water	Hexachlorocyclohexane, Beta- (β-BHC)	8081B	ORELAP
319-86-8	Soil	Hexachlorocyclohexane, Delta- (γ-BHC)	8081B	ORELAP
319-86-8	Water	Hexachlorocyclohexane, Delta- (γ-BHC)	8081B	ORELAP
58-89-9	Soil	Hexachlorocyclohexane, Gamma- (Lindane)	8081B	ORELAP
58-89-9	Water	Hexachlorocyclohexane, Gamma- (Lindane)	8081B	ORELAP
77-47-4	Soil	Hexachlorocyclopentadiene	8270E	ORELAP
77-47-4	Water	Hexachlorocyclopentadiene	8270E	ORELAP
67-72-1	Soil	Hexachloroethane	8270E	ORELAP
67-72-1	Water	Hexachloroethane	8270E	ORELAP
110-54-3	Soil	Hexane, N-	8260D	ORELAP
110-54-3	Water	Hexane, N-	8260D	ORELAP
110-54-3	Air	Hexane, N-	TO-15	ORELAP
591-78-6	Soil	Hexanone, 2-	8260D	ORELAP
591-78-6	Water	Hexanone, 2-	8260D	ORELAP
591-78-6	Air	Hexanone, 2-	TO-15	ORELAP
193-39-5	Soil	Indeno[1,2,3-cd]pyrene	8270E	ORELAP
193-39-5	Water	Indeno[1,2,3-cd]pyrene	8270E	ORELAP
78-59-1	Soil	Isophorone	8270E	ORELAP
78-59-1	Water	Isophorone	8270E	ORELAP
67-63-0	Air	Isopropanol	TO-15	ORELAP
7439-92-1	Soil	Lead, Total	200.8	ORELAP
7439-92-1	Water	Lead, Total	200.8	ORELAP
7439-92-1	Soil	Lead, Total	6020B	ORELAP
7439-92-1	Water	Lead, Total	6020B	ORELAP
7439-97-6	Soil	Mercury (elemental)	1631E	ORELAP
7439-97-6	Water	Mercury (elemental)	1631E	ORELAP
72-43-5	Soil	Methoxychlor	8081B	ORELAP
72-43-5	Water	Methoxychlor	8081B	ORELAP
78-93-3	Soil	Methyl Ethyl Ketone (2-Butanone)	8260D	ORELAP
78-93-3	Water	Methyl Ethyl Ketone (2-Butanone)	8260D	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
78-93-3	Air	Methyl Ethyl Ketone (2-Butanone)	TO-15	ORELAP
108-10-1	Soil	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	8260D	ORELAP
108-10-1	Water	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	8260D	ORELAP
108-10-1	Air	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	TO-15	ORELAP
1634-04-4	Soil	Methyl tert-Butyl Ether (MTBE)	8260D	ORELAP
1634-04-4	Water	Methyl tert-Butyl Ether (MTBE)	8260D	ORELAP
1634-04-4	Air	Methyl tert-Butyl Ether (MTBE)	TO-15	ORELAP
75-09-2	Soil	Methylene Chloride	8260D	ORELAP
75-09-2	Water	Methylene Chloride	8260D	ORELAP
75-09-2	Air	Methylene Chloride	TO-15	ORELAP
90-12-0	Soil	Methylnaphthalene, 1-	8270E	ORELAP
90-12-0	Water	Methylnaphthalene, 1-	8270E	ORELAP
91-57-6	Soil	Methylnaphthalene, 2-	8270E	ORELAP
91-57-6	Water	Methylnaphthalene, 2-	8270E	ORELAP
91-20-3	Soil	Naphthalene	8260D	ORELAP
91-20-3	Water	Naphthalene	8260D	ORELAP
91-20-3	Soil	Naphthalene	8270E	ORELAP
91-20-3	Water	Naphthalene	8270E	ORELAP
91-20-3	Air	Naphthalene	TO-15	ORELAP
7440-02-0	Soil	Nickel, Total	200.8	ORELAP
7440-02-0	Water	Nickel, Total	200.8	ORELAP
7440-02-0	Soil	Nickel, Total	6020B	ORELAP
7440-02-0	Water	Nickel, Total	6020B	ORELAP
98-95-3	Soil	Nitrobenzene	8270E	ORELAP
98-95-3	Water	Nitrobenzene	8270E	ORELAP
62-75-9	Soil	Nitrosodimethylamine, N-	8270E	ORELAP
62-75-9	Water	Nitrosodimethylamine, N-	8270E	ORELAP
621-64-7	Soil	Nitroso-di-N-propylamine, N-	8270E	ORELAP
621-64-7	Water	Nitroso-di-N-propylamine, N-	8270E	ORELAP
86-30-6	Soil	Nitrosodiphenylamine, N-	8270E	ORELAP
86-30-6	Water	Nitrosodiphenylamine, N-	8270E	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
117-84-0	Soil	Octyl Phthalate, di-N-	8270E	ORELAP
117 84-0	Water	Octyl Phthalate, di-N-	8270E	ORELAP
12674-11-2	Soil	PCB - Aroclor-1016	8082A	ORELAP
12674-11-2	Water	PCB - Aroclor-1016	8082A	ORELAP
11104-28-2	Soil	PCB - Aroclor-1221	8082A	ORELAP
11104-28-2	Water	PCB - Aroclor-1221	8082A	ORELAP
11141-16-5	Soil	PCB - Aroclor-1232	8082A	ORELAP
11141-16-5	Water	PCB - Aroclor-1232	8082A	ORELAP
53469-21-9	Soil	PCB - Aroclor-1242	8082A	ORELAP
53469-21-9	Water	PCB - Aroclor-1242	8082A	ORELAP
12672-29-6	Soil	PCB - Aroclor-1248	8082A	ORELAP
12672-29-6	Water	PCB - Aroclor-1248	8082A	ORELAP
11097-69-1	Soil	PCB - Aroclor-1254	8082A	ORELAP
11097-69-1	Water	PCB - Aroclor-1254	8082A	ORELAP
11096-82-5	Soil	PCB - Aroclor-1260	8082A	ORELAP
11096-82-5	Water	PCB - Aroclor-1260	8082A	ORELAP
37324-23-5	Soil	PCB - Aroclor-1262	8082A	ORELAP
37324-23-5	Water	PCB - Aroclor-1262	8082A	ORELAP
11100-14-4	Soil	PCB - Aroclor-1268	8082A	ORELAP
11100-14-4	Water	PCB - Aroclor-1268	8082A	ORELAP
87-86-5	Soil	Pentachlorophenol	8270E	ORELAP
87-86-5	Water	Pentachlorophenol	8270E	ORELAP
85-01-8	Soil	Phenanthrene	8270E	ORELAP
85-01-8	Water	Phenanthrene	8270E	ORELAP
108-95-2	Soil	Phenol	8270E	ORELAP
108-95-2	Water	Phenol	8270E	ORELAP
103-65-1	Soil	Propyl benzene	8260D	ORELAP
103-65-1	Water	Propyl benzene	8260D	ORELAP
129-00-0	Soil	Pyrene	8270E	ORELAP
129-00-0	Water	Pyrene	8270E	ORELAP
N/A	Soil	Residual Range Organics (C25 – C36)	AK 103	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
N/A	Water	Residual Range Organics (C25 – C36)	AK 103	ORELAP
7782-49-2	Water	Selenium	200.8	ORELAP
7782-49-2	Soil	Selenium	6020B	ORELAP
7782-49-2	Water	Selenium	6020B	ORELAP
7440-22-4	Soil	Silver	200.8	ORELAP
7440-22-4	Water	Silver	200.8	ORELAP
7440-22-4	Soil	Silver	6020B	ORELAP
7440-22-4	Water	Silver	6020B	ORELAP
100-42-5	Soil	Styrene	8260D	ORELAP
100-42-5	Water	Styrene	8260D	ORELAP
100-42-5	Air	Styrene	TO-15	ORELAP
100-42-5	Air	Styrene	TO-17	ORELAP
630-20-6	Soil	Tetrachloroethane, 1,1,1,2-	8260D	ORELAP
630-20-6	Water	Tetrachloroethane, 1,1,1,2-	8260D	ORELAP
79-34-5	Soil	Tetrachloroethane, 1,1,2,2-	8260D	ORELAP
79-34-5	Water	Tetrachloroethane, 1,1,2,2-	8260D	ORELAP
79-34-5	Air	Tetrachloroethane, 1,1,2,2-	TO-15	ORELAP
79-34-5	Air	Tetrachloroethane, 1,1,2,2-	TO-17	ORELAP
127-18-4	Soil	Tetrachloroethylene	8260D	ORELAP
127-18-4	Water	Tetrachloroethylene	8260D	ORELAP
127-18-4	Air	Tetrachloroethylene	TO-15	ORELAP
127-18-4	Air	Tetrachloroethylene	TO-17	ORELAP
7440-28-0	Soil	Thallium, Total	200.8	ORELAP
7440-28-0	Water	Thallium, Total	200.8	ORELAP
7440-28-0	Soil	Thallium, Total	6020B	ORELAP
7440-28-0	Water	Thallium, Total	6020B	ORELAP
108-88-3	Soil	Toluene	8021B	ORELAP
108-88-3	Water	Toluene	8021B	ORELAP
108-88-3	Soil	Toluene	8260D	ORELAP
108-88-3	Water	Toluene	8260D	ORELAP
108-88-3	Air	Toluene	TO-15	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
108-88-3	Air	Toluene	TO-17	ORELAP
8001-35-2	Soil	Toxaphene	8081B	ORELAP
8001-35-2	Water	Toxaphene	8081B	ORELAP
87-61-6	Soil	Trichlorobenzene, 1,2,3-	8260D	ORELAP
87-61-6	Water	Trichlorobenzene, 1,2,3-	8260D	ORELAP
120-82-1	Soil	Trichlorobenzene, 1,2,4-	8260D	ORELAP
120-82-1	Water	Trichlorobenzene, 1,2,4-	8260D	ORELAP
120-82-1	Soil	Trichlorobenzene, 1,2,4-	8270E	ORELAP
120-82-1	Water	Trichlorobenzene, 1,2,4-	8270E	ORELAP
120-82-1	Air	Trichlorobenzene, 1,2,4-	TO-15	ORELAP
120-82-1	Air	Trichlorobenzene, 1,2,4-	TO-17	ORELAP
71-55-6	Soil	Trichloroethane, 1,1,1-	8260D	ORELAP
71-55-6	Water	Trichloroethane, 1,1,1-	8260D	ORELAP
71-55-6	Air	Trichloroethane, 1,1,1-	TO-15	ORELAP
71-55-6	Air	Trichloroethane, 1,1,1-	TO-17	ORELAP
79-00-5	Soil	Trichloroethane, 1,1,2-	8260D	ORELAP
79-00-5	Water	Trichloroethane, 1,1,2-	8260D	ORELAP
79-00-5	Air	Trichloroethane, 1,1,2-	TO-15	ORELAP
79-00-5	Air	Trichloroethane, 1,1,2-	TO-17	ORELAP
79-01-6	Soil	Trichloroethane, 1,1,2-	8260D	ORELAP
79-01-6	Water	Trichloroethane, 1,1,2-	8260D	ORELAP
79-01-6	Air	Trichloroethylene	TO-15	ORELAP
79-01-6	Air	Trichloroethylene	TO-17	ORELAP
75-69-4	Soil	Trichloroethylene	8260D	ORELAP
75-69-4	Water	Trichloroethylene	8260D	ORELAP
75-69-4	Air	Trichloroethylene	TO-15	ORELAP
75-69-4	Water	Trichloroethylene	TO-17	ORELAP
95-95-4	Soil	Trichlorofluoromethane	8260D	ORELAP
95-95-4	Water	Trichlorofluoromethane	8260D	ORELAP
95-95-4	Soil	Trichlorophenol, 2,4,5-	TO-15	ORELAP
95-95-4	Water	Trichlorophenol, 2,4,5-	8270E	ORELAP
88-06-2	Soil	Trichlorophenol, 2,4,6-	8270E	ORELAP
88-06-2	Water	Trichlorophenol, 2,4,6-	8270E	ORELAP
96-18-4	Soil	Trichloropropane, 1,1,2,3-	8260D	ORELAP

Scope of Approval

CAS Number	Matrix	Hazardous Substance	Method	Accreditation Body
96-18-4	Water	Trichloropropane, 1,2,3-	8260D	ORELAP
95-63-6	Soil	Trimethylbenzene, 1,2,4-	8260D	ORELAP
95-63-6	Water	Trimethylbenzene, 1,2,4-	8260D	ORELAP
95-63-6	Air	Trimethylbenzene, 1,2,4-	TO-15	ORELAP
95-63-6	Air	Trimethylbenzene, 1,2,4-	TO-17	ORELAP
108-67-8	Soil	Trimethylbenzene, 1,3,5-	8260D	ORELAP
108-67-8	Water	Trimethylbenzene, 1,3,5-	8260D	ORELAP
108-67-8	Air	Trimethylbenzene, 1,3,5-	TO-15	ORELAP
108-67-8	Air	Trimethylbenzene, 1,3,5-	TO-17	ORELAP
7440-62-2	Soil	Vanadium, Total	200.8	ORELAP
7440-62-2	Water	Vanadium, Total	200.8	ORELAP
7440-62-2	Soil	Vanadium, Total	6020B	ORELAP
7440-62-2	Water	Vanadium, Total	6020B	ORELAP
108-05-4	Air	Vinyl Acetate	TO-15	ORELAP
75-01-4	Soil	Vinyl Chloride	8260D	ORELAP
75-01-4	Water	Vinyl Chloride	8260D	ORELAP
75-01-4	Air	Vinyl Chloride	TO-15	ORELAP
75-01-4	Air	Vinyl Chloride	TO-17	ORELAP
N/A	Soil	Xylene, m+p-	8260D	ORELAP
N/A	Water	Xylene, m+p-	8260D	ORELAP
N/A	Air	Xylene, m+p-	TO-15	ORELAP
N/A	Air	Xylene, m+p-	TO-17	ORELAP
95-47-6	Soil	Xylene, o-	8260D	ORELAP
95-47-6	Water	Xylene, o-	8260D	ORELAP
95-47-6	Air	Xylene, o-	TO-15	ORELAP
95-47-6	Air	Xylene, o-	TO-17	ORELAP
1330-20-7	Soil	Xylene, Total	8021B	ORELAP
1330-20-7	Water	Xylene, Total	8021B	ORELAP
7440-66-6	Soil	Zinc, Total	200.8	ORELAP
7440-66-6	Water	Zinc, Total	200.8	ORELAP
7440-66-6	Soil	Zinc, Total	6020B	ORELAP

Scope of Approval

CAS Number 7440-66-6	Matrix Water	Hazardous Substance Zinc, Total	Method 6020B	Accreditation Body ORELAP
--------------------------------	------------------------	---	------------------------	-------------------------------------