

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 1 of 19	Item No. 180.4
---	---------------------------	------------------------	--------------------------

Autonomous Detection Systems

Analyte	Technology	Method Name	ELAP Method Number
Biological Critical Agents	99	NYSDOH Approved Method	9900
Chemical Critical Agents	99	NYSDOH Approved Method	9900
Radioactive Critical Agents	99	NYSDOH Approved Method	9900

Mineral

Analyte	Technology	Method Name	ELAP Method Number
Fluoride, Total	99	EPA 14A	4389
	COLOR	EPA 13B	4511
	IC	EPA 26	4390
	POT	EPA 13A	4591

Chlorinated Hydrocarbons

Analyte	Technology	Method Name	ELAP Method Number
Hexachlorobutadiene	GC-ECD	NIOSH 2543	4399
	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Hexachloroethane	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
1,2,4-Trichlorobenzene	GC-ECD	NIOSH 5517	4408
	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 2 of 19	Item No. 180.4
---	---------------------------	------------------------	--------------------------

Metals I

Analyte	Technology	Method Name	ELAP Method Number
Lead, Total	CVAAS	EPA 29	4387
	FAAS	EPA 29	4385
	FAAS	NIOSH 7082	1103
	GFAAS	EPA 29	4386
	GFAAS	EPA 7010	7010
	ICP-AES	EPA 29 (6010)	4383
	ICP-AES	NIOSH 7300	4505
	ICP-AES	NIOSH 7303	4593
	ICP-MS	40 CFR PART 50 2013 APP G	4079
	ICP-MS	EPA 29 (6020)	4384
	ICP-MS	Inter-Mountain TSP Lead	1208
	PREP	40 CFR PART 50 APP G	4500

Priority Pollutant Phenols

Analyte	Technology	Method Name	ELAP Method Number
Pentachlorophenol	GC-ECD	EPA TO-4A	1184
	HPLC-UV	NIOSH 5512	4329
Phenol	GC-FID	NIOSH 2546	4330
	GC-MS	EPA TO-15	5062

Chlorinated Hydrocarbon Pesticides

Analyte	Technology	Method Name	ELAP Method Number
Alachlor	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
Aldrin	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
	GC-ECD	NIOSH 4, VOL. 1 5502	4533
	GC-ECD	NYS DOH APC-34	4509

SUBJECT	DATE	PAGE	Item No.
Approved Methods: Air and Emissions	03/30/2018	3 of 19	180.4

Chlorinated Hydrocarbon Pesticides

Analyte	Technology	Method Name	ELAP Method Number
alpha-BHC	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
beta-BHC	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
Lindane	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
	GC-ECD	NIOSH 4, VOL. 1 5502	4533
Chlordane Total	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
	GC-ECD	NIOSH 5510	4397
	GC-ECD	NYS DOH APC-34	4509
4,4'-DDD	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
4,4'-DDE	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
4,4'-DDT	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
	GC-ECD	NIOSH 2, VOL. 3 S274	4536
Dieldrin	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
	GC-ECD	NIOSH 2, VOL. 3 S283	4538
	GC-ECD	NYS DOH APC-34	4509
Endrin	GC-ECD	EPA TO-4A	1184
	GC-ECD	NIOSH 5519	4396
Heptachlor	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184

SUBJECT	DATE	PAGE	Item No.
Approved Methods: Air and Emissions	03/30/2018	4 of 19	180.4

Chlorinated Hydrocarbon Pesticides

Analyte	Technology	Method Name	ELAP Method Number
Heptachlor epoxide	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
Metolachlor	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
Toxaphene	GC-ECD	NIOSH 5039	4331
Trifluralin	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184

Metals II

Analyte	Technology	Method Name	ELAP Method Number
Mercury, Total	CVAAS	40 CFR 61 Method 101	4513
	CVAAS	40 CFR 61 Method 101A	4528
	CVAAS	EPA 102	4370
	CVAAS	EPA 105	4371
	CVAAS	NIOSH 6009	4503
	CVAAS	NYS DOH APC-16	4501
	CVAFS	Frontier Sorbent Total Mercury	1026
Beryllium, Total	FAAS	40 CFR 61 1984 Method 104	4510
	ICP-AES	NIOSH 7300	4505
	ICP-AES	NIOSH 7303	4593

Metals III

Analyte	Technology	Method Name	ELAP Method Number
Chromium, Total	FAAS	40 CFR 63.344C METH 425	4571
	FAAS	40 CFR PART 60 1984 APP. A METH 3	4569
	FAAS	40 CFR PART 60 1984 APP A METH 12	4512
	FAAS	40 CFR PART 63 APP A 306,A,B	4570
	ICP-AES	40 CFR PART 63 APP A 306,A,B	4573

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 5 of 19	Item No. 180.4
---	---------------------------	------------------------	--------------------------

Metals III

Analyte	Technology	Method Name	ELAP Method Number
Chromium, Total	ICP-AES	NIOSH 7300	4505
	ICP-AES	NIOSH 7303	4593
	ICP-MS	40 CFR PART 60 1984 APP. A METH 3	4559

Polychlorinated Biphenyls

Analyte	Technology	Method Name	ELAP Method Number
PCBs and Aroclors	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184
	GC-ECD	NIOSH 5503	4406
	GC-ECD	NYS DOH 311-1	4507

Purgeable Halocarbons

Analyte	Technology	Method Name	ELAP Method Number
Bromodichloromethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
Bromoform	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Bromomethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
Carbon tetrachloride	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Chloroform	GC-MS	EPA TO-2	1032
	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-ELCD	EPA TO-3	5063

SUBJECT	DATE	PAGE	Item No.
Approved Methods: Air and Emissions	03/30/2018	6 of 19	180.4

Purgeable Halocarbons

Analyte	Technology	Method Name	ELAP Method Number
Chloroform	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-2	1032
Chloroethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
Chloromethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
3-Chloropropene (Allyl chloride)	GC-MS	EPA TO-15	5062
Dibromochloromethane	GC-MS	EPA TO-15	5062
Dichlorodifluoromethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
1,2-Dibromoethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,2-Dibromo-3-chloropropane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,1-Dichloroethane	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,2-Dichloroethane	GC-ELCD	40 CFR PART 60 1984 Method 18	4531

SUBJECT	DATE	PAGE	Item No.
Approved Methods: Air and Emissions	03/30/2018	7 of 19	180.4

Purgeable Halocarbons

Analyte	Technology	Method Name	ELAP Method Number
1,2-Dichloroethane	GC-ELCD	EPA TO-3	5063
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-2	1032
cis-1,2-Dichloroethene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
trans-1,2-Dichloroethene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
1,1-Dichloroethene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-ELCD	EPA TO-3	5063
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-2	1032
1,2-Dichloropropane	GC-ECD	NIOSH 1013	4332
	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
cis-1,3-Dichloropropene	GC-MS	EPA TO-14A	5060

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 8 of 19	Item No. 180.4
---	---------------------------	------------------------	--------------------------

Purgeable Halocarbons

Analyte	Technology	Method Name	ELAP Method Number
cis-1,3-Dichloropropene	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
trans-1,3-Dichloropropene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Methylene chloride	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1003	4400
	GC-FID	NIOSH 1005	4401
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-2	1032
	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
1,1,2,2-Tetrachloroethane	GC-FID	NIOSH 1019	4404
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-ELCD	EPA TO-3	5063
Tetrachloroethene	GC-ELCD	NYS DOH METH 311-7	5049
	GC-ELCD	NYS DOH METH 311-9	5061
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 9 of 19	Item No. 180.4
---	---------------------------	------------------------	--------------------------

Purgeable Halocarbons

Analyte	Technology	Method Name	ELAP Method Number
1,1,1-Trichloroethane	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,1,2-Trichloroethane	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Trichloroethene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-ELCD	NYS DOH METH 311-9	5061
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Trichlorofluoromethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
1,1,2-Trichloro-1,2,2-Trifluoroethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
Vinyl bromide	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Vinyl chloride	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-ELCD	40 CFR, PART 61 1984 APP. B METH 1	4532
	GC-FID	NIOSH 1007	4402
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-2	1032

SUBJECT	DATE	PAGE	Item No.
Approved Methods: Air and Emissions	03/30/2018	10 of 19	180.4

Volatile Chlorinated Organics

Analyte	Technology	Method Name	ELAP Method Number
Benzyl chloride	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
Epichlorohydrin	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1010	4403
	GC-MS	EPA TO-15	5062

Polynuclear Aromatics

Analyte	Technology	Method Name	ELAP Method Number
Acenaphthene	GC-MS	EPA TO-13A	1063
Acenaphthylene	GC-MS	EPA TO-13A	1063
Anthracene	GC-MS	EPA TO-13A	1063
Benzo(a)anthracene	GC-MS	EPA TO-13A	1063
Benzo(b)fluoranthene	GC-MS	EPA TO-13A	1063
Benzo(ghi)perylene	GC-MS	EPA TO-13A	1063
Benzo(k)fluoranthene	GC-MS	EPA TO-13A	1063
	GC-FID	NIOSH 5515	4407
	GC-MS	EPA TO-13A	1063
Benzo(a)pyrene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-13A	1063
	GC-MS	EPA TO-13A	1063
Chrysene	GC-MS	EPA TO-13A	1063
Dibenzo(a,h)anthracene	GC-MS	EPA TO-13A	1063
Fluoranthene	GC-MS	EPA TO-13A	1063
Fluorene	GC-MS	EPA TO-13A	1063
Indeno(1,2,3-cd)pyrene	GC-MS	EPA TO-13A	1063
Naphthalene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1501	4405

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 11 of 19	Item No. 180.4
---	---------------------------	-------------------------	--------------------------

Polynuclear Aromatics

Analyte	Technology	Method Name	ELAP Method Number
Naphthalene	GC-FID	NIOSH 5515	4407
	GC-MS	EPA TO-13A	1063
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	HPLC-UV	NIOSH 5506	4333
Phenanthrene	GC-MS	EPA TO-13A	1063
Pyrene	GC-MS	EPA TO-13A	1063

Purgeable Aromatics

Analyte	Technology	Method Name	ELAP Method Number
Benzene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-ELCD	EPA TO-3	5063
	GC-FID	NIOSH 1501	4405
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-2	1032
Chlorobenzene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-ELCD	EPA TO-3	5063
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
2-Chlorotoluene	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-15	5062
1,2-Dichlorobenzene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1003	4400

SUBJECT	DATE	PAGE	Item No.
Approved Methods: Air and Emissions	03/30/2018	12 of 19	180.4

Purgeable Aromatics

Analyte	Technology	Method Name	ELAP Method Number
1,2-Dichlorobenzene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,4-Dichlorobenzene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1003	4400
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,3-Dichlorobenzene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Ethyl benzene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1501	4405
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Isopropylbenzene	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Toluene	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1501	4405
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	GC-MS	EPA TO-2	1032

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 13 of 19	Item No. 180.4
---	---------------------------	-------------------------	--------------------------

Purgeable Aromatics

Analyte	Technology	Method Name	ELAP Method Number
Total Xylenes	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-FID	NIOSH 1501	4405
	GC-MS	EPA TO-1	1031
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
o-Xylene	GC-FID	NIOSH 1501	4405
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
m/p-Xylenes	GC-FID	NIOSH 1501	4405
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,2,4-Trimethylbenzene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
1,3,5-Trimethylbenzene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Styrene	GC-FID	NIOSH 1501	4405
	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401

Chlorophenoxy Acid Pesticides

Analyte	Technology	Method Name	ELAP Method Number
2,4-D	GC-ECD	EPA TO-10A	1113
	GC-ECD	EPA TO-4A	1184

SUBJECT	DATE	PAGE	Item No.
Approved Methods: Air and Emissions	03/30/2018	14 of 19	180.4

Chlorophenoxy Acid Pesticides

Analyte	Technology	Method Name	ELAP Method Number
2,4-D	HPLC-UV	NIOSH 5001	4334
2,4,5-T	HPLC-UV	NIOSH 5001	4334

Miscellaneous

Analyte	Technology	Method Name	ELAP Method Number	
Asbestos	TEM	40 CFR 763 APX A No. III	4588	
	TEM	NIOSH 7402	4592	
	TEM	YAMATE,AGARWAL GIBB	4590	
Fibers	PCM	NIOSH 7400 A RULES	4587	
Formaldehyde	GC-ECD	NIOSH 2541	4395	
	GC-MS	EPA TO-15	5062	
	HPLC-FLUOR	EPA IP-6A	1112	
	HPLC-UV	EPA TO-11A	1400	
	HPLC-UV	NIOSH 2016	2016	
	Nitrogen Dioxide	COLOR	40 CFR 60 Method 7	4514
		COLOR	40 CFR 60 Method 7B	4392
COLOR		40 CFR 60 Method 7C	4393	
COLOR		40 CFR 60 Method 7E	4701	
COLOR		NIOSH 6700	4502	
Nitrogen Oxide	IC	40 CFR 60 Method 7A	4515	
	IC	40 CFR 60 Method 7D	4394	
	COLOR	40 CFR 60 Method 7	4514	
	COLOR	40 CFR 60 Method 7B	4392	
	COLOR	40 CFR 60 Method 7C	4393	
	COLOR	40 CFR 60 Method 7E	4701	
	IC	40 CFR 60 Method 7A	4515	
	IC	40 CFR 60 Method 7D	4394	

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 15 of 19	Item No. 180.4
---	---------------------------	-------------------------	--------------------------

Miscellaneous

Analyte	Technology	Method Name	ELAP Method Number
Sulfuric Acid	TITR	40 CFR 60 Method 8	1036
Sulfur Dioxide	COLOR	40 CFR 60 Method 6C	6046
	GRAV	40 CFR 60 Method 6A	4381
	GRAV	40 CFR 60 Method 6B	4382
	TITR	40 CFR 60 Method 6	4517
	TITR	40 CFR 60 Method 8	1036
Suspended Particulates	GRAV	40 CFR 60 APP A Method 5	4516
	GRAV	40 CFR PART 50 APP B	4064
	GRAV	40 CFR PART 50 APP J (PM10)	4071
Particulates	GRAV	40 CFR 60 APP A Method 5	4516
	GRAV	40 CFR PART 50 APP B	4064
	GRAV	EPA 17	9930
	GRAV	EPA 201	9927
	GRAV	EPA 201A	9928
	GRAV	EPA 5	9929
	GRAV	NIOSH 0500	4535
Radon	99	Alpha Track	7035
	PROP CNT	Charcoal canister	7036
	PROP CNT	Continuous Radon Monitor	7037
	PROP CNT	Continuous Working level monitor	7038
	SCIN CNT	Charcoal - Liquid Scintillation	7033
	VOLT	Electret	7034

Fuels

Analyte	Technology	Method Name	ELAP Method Number
B.T.U.	99	ASTM D1989	1106
	99	ASTM D2015-77	4527

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 16 of 19	Item No. 180.4
---	---------------------------	-------------------------	--------------------------

Fuels

Analyte	Technology	Method Name	ELAP Method Number
B.T.U.	99	ASTM D240	1105
	99	ASTM D5865	5865
Percent Sulfur	TITR	ASTM D4239	1104
	TITR	ASTM D1552	4530
	TITR	ASTM D4239	1104
	XRF	ASTM D2622	2653
	XRF	ASTM D4294	2493

Volatile Organics

Analyte	Technology	Method Name	ELAP Method Number
Acetaldehyde	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	HPLC-UV	EPA TO-11A	1400
Acetone	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
	HPLC-UV	EPA TO-11A	1400
Acrolein (Propenal)	GC-MS	EPA TO-15	5062
	HPLC-UV	EPA TO-11A	1400
Benzaldehyde	HPLC-UV	EPA TO-11A	1400
1,3-Butadiene	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
2-Butanone (Methylethyl ketone)	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Butyraldehyde	HPLC-UV	EPA TO-11A	1400

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 17 of 19	Item No. 180.4
---	---------------------------	-------------------------	--------------------------

Volatile Organics

Analyte	Technology	Method Name	ELAP Method Number
Carbon Disulfide	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Crotonaldehyde	HPLC-UV	EPA TO-11A	1400
Cyclohexane	GC-MS	EPA TO-15	5062
1,2-Dichlorotetrafluoroethane	GC-MS	EPA TO-14A	5060
	GC-MS	EPA TO-15	5062
2,5-Dimethylbenzaldehyde	HPLC-UV	EPA TO-11A	1400
1,4-Dioxane	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Hexanaldehyde	HPLC-UV	EPA TO-11A	1400
Hexane	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
n-Heptane	GC-MS	EPA TO-15	5062
Isopropanol	GC-MS	EPA TO-15	5062
Isovaleraldehyde	HPLC-UV	EPA TO-11A	1400
Methanol	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Methyl iodide	GC-MS	EPA TO-15	5062
4-Methyl-2-Pentanone	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Methyl tert-butyl ether	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Nitrobenzene	GC-MS	EPA TO-15	5062

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 18 of 19	Item No. 180.4
---	---------------------------	-------------------------	--------------------------

Volatile Organics

Analyte	Technology	Method Name	ELAP Method Number
Propionaldehyde	GC-MS	EPA TO-15	5062
	HPLC-UV	EPA TO-11A	1400
tert-butyl alcohol	GC-MS	EPA TO-15	5062
	2,2,4-Trimethylpentane	GC-MS	EPA TO-15
GC-MS		EPA TO-17	1401
m-Tolualdehyde	HPLC-UV	EPA TO-11A	1400
o-Tolualdehyde	HPLC-UV	EPA TO-11A	1400
p-Tolualdehyde	HPLC-UV	EPA TO-11A	1400
Valeraldehyde	HPLC-UV	EPA TO-11A	1400
Vinyl acetate	GC-MS	EPA TO-15	5062

Acrylates

Analyte	Technology	Method Name	ELAP Method Number
Acetonitrile	GC-ELCD	40 CFR PART 60 1984 Method 18	4531
	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Acrylonitrile	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Ethyl acrylate	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401
Methyl methacrylate	GC-MS	EPA TO-15	5062
	GC-MS	EPA TO-17	1401

Dioxins and Furans

Analyte	Technology	Method Name	ELAP Method Number
2,3,7,8-Tetrachlorodibenzofuran	GC-HRMS	EPA 23	4340
2,3,4,7,8-Pentachlorodibenzofuran	GC-HRMS	EPA 23	4340
1,2,3,7,8-Pentachlorodibenzofuran	GC-HRMS	EPA 23	4340

SUBJECT Approved Methods: Air and Emissions	DATE 03/30/2018	PAGE 19 of 19	Item No. 180.4
---	---------------------------	-------------------------	--------------------------

Dioxins and Furans

Analyte	Technology	Method Name	ELAP Method Number
1,2,3,4,7,8-Hexachlorodibenzofuran	GC-HRMS	EPA 23	4340
1,2,3,6,7,8-Hexachlorodibenzofuran	GC-HRMS	EPA 23	4340
1,2,3,7,8,9-Hexachlorodibenzofuran	GC-HRMS	EPA 23	4340
2,3,4,6,7,8-Hexachlorodibenzofuran	GC-HRMS	EPA 23	4340
1,2,3,4,6,7,8-Heptachlorodibenzofuran	GC-HRMS	EPA 23	4340
1,2,3,4,7,8,9-Heptachlorodibenzofuran	GC-HRMS	EPA 23	4340
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	GC-HRMS	EPA 23	4340
2,3,7,8-Tetrachlorodibenzo-p-dioxin	GC-HRMS	EPA 23	4340
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	GC-HRMS	EPA 23	4340
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	GC-HRMS	EPA 23	4340
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	GC-HRMS	EPA 23	4340
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	GC-HRMS	EPA 23	4340
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	GC-HRMS	EPA 23	4340
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	GC-HRMS	EPA 23	4340