

BUSINESS RULES

SELECTING DATA WITH OVERLAPPING POLLUTANTS ACROSS DIFFERENT DATASETS

These business rules are developed to allow different datasets included in a selection to be blended together in a way that avoids double counting due to overlapping pollutants. Because there are several HAPs that belong to pollutant groups or represent a pollutant group themselves, these rules are needed to prevent both a group and individual pollutant in that group from being used for the same process or facility. The implementation of these rules is automated in the EIS. The tables for each item below detail how the pollutants are selected or ignored across datasets in EIS. Pollutant names are presented in the tables for clarity of the rule, but these are implemented using pollutant codes (instead of names).

The main cross-dataset rule is that EIS will not select data from the lower-hierarchy dataset (in a selection) where the lower hierarchy pollutant matches any pollutant in higher-priority dataset at the dataset-specified level (process, unit or facility) for the point data category), and for the process level (all other data categories). This rule applies also to overlapping pollutants within specified pollutant groups. The groups and overlapping pollutants are presented below. The cross-dataset rules are presented first, and the within-dataset rules pertaining to the specific group are provided in red bold font immediately following the cross-dataset rule.

1. XYLENES

- a. Higher-priority dataset pollutant is Xylenes (Mixed Isomers) (pollutant code=1330207) and lower-priority dataset pollutant is any individual pollutant in the xylenes pollutant category.
- b. Higher-priority dataset pollutant is any individual pollutant in the xylenes pollutant category and lower-priority dataset is Xylenes (Mixed Isomers) (1330207)

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Xylenes (Mixed Isomers)	p-Xylene	a
Xylenes (Mixed Isomers)	o-Xylene	a
Xylenes (Mixed Isomers)	m-Xylene	a
p-Xylene	Xylenes (Mixed Isomers)	b
o-Xylene	Xylenes (Mixed Isomers)	b
m-Xylene	Xylenes (Mixed Isomers)	b

Note that if the higher priority dataset has both p-Xylene and Xylenes (Mixed Isomers) and the lower priority dataset has o-Xylene, the o-Xylene in the lower priority dataset will not be used because of the Xylenes (Mixed Isomers) in the higher priority dataset. In contrast, if the higher priority dataset has p-Xylene and the lower priority dataset has o-Xylene and the Xylenes (Mixed Isomers), then the lower priority dataset Xylenes (Mixed Isomers) will not be used but the lower priority dataset o-Xylene will be used.

Within Agency dataset rule: we allow Xylenes (Mixed) and any individual xylene (m-Xylene, o-Xylene or P-Xylene) to be reported together. We believe agencies that report both an individual and mixed are not intending to double count and we see some cases of this with TRI data.

2. HYDROGEN CYANIDE (74908) and CYANIDE (57125)

- a. Higher priority data set is Hydrogen Cyanide and lower priority dataset is Cyanide, then don't use the Cyanide.

- b. Higher priority dataset is Cyanide and lower priority dataset is Hydrogen Cyanide, then don't use the lower priority Hydrogen Cyanide.

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Hydrogen Cyanide	Cyanide	a
Cyanide	Hydrogen Cyanide	b

Within Agency dataset rule: we allow Hydrogen Cyanide and Cyanide to be reported together. We believe agencies that report both are not double counting (they track Hydrogen Cyanide separately from Cyanide) and this is true with TRI data where Cyanide is meant to be exclude Hydrogen Cyanide.

3. CRESOLS

- a. Higher-priority dataset pollutant is Cresol/Cresylic Acid (Mixed Isomers) (1319773) and lower-priority dataset pollutant is any individual pollutant in the Cresol/Cresylic Acid (Mixed Isomers) pollutant category.
- b. Higher-priority dataset pollutant is any individual pollutant in Cresol/Cresylic Acid (Mixed Isomers) pollutant category and lower-priority dataset pollutant is Cresol/Cresylic Acid (Mixed Isomers)

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Cresol/Cresylic Acid (Mixed Isomers)	p-Cresol	a
Cresol/Cresylic Acid (Mixed Isomers)	m-Cresol	a
Cresol/Cresylic Acid (Mixed Isomers)	o-Cresol	a
p-Cresol	Cresol/Cresylic Acid (Mixed Isomers)	b
m-Cresol	Cresol/Cresylic Acid (Mixed Isomers)	b
o-Cresol	Cresol/Cresylic Acid (Mixed Isomers)	b

Within Agency dataset rule: we allow Cresol/Cresylic Acid (Mixed Isomers) and any individual cresol (m-Cresol, o-Cresol or P-Cresol) to be reported together. We believe agencies that report both an individual and mixed are not intending to double count and we see some cases of this with TRI data.

4. PCBs

- a. Higher-priority dataset pollutant is Polychlorinated biphenyls (PCBs) (1336363) and lower-priority dataset pollutant is any individual pollutant in the polychlorinated biphenyls group.
- b. Higher-priority dataset pollutant is any individual pollutant in the polychlorinated biphenyls group and lower-priority dataset pollutant is 1336363 (PCBs).

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Polychlorinated Biphenyls	2,4,4'-Trichlorobiphenyl (PCB-28)	a
Polychlorinated Biphenyls	2-Chlorobiphenyl (PCB-1)	a
Polychlorinated Biphenyls	4,4'-Dichlorobiphenyl (PCB-15)	a
Polychlorinated Biphenyls	Decachlorobiphenyl (PCB-209)	a
Polychlorinated Biphenyls	Heptachlorobiphenyl	a
Polychlorinated Biphenyls	Hexachlorobiphenyl	a
Polychlorinated Biphenyls	Nonachlorobiphenyl	a
Polychlorinated Biphenyls	Octachlorobiphenyl	a
Polychlorinated Biphenyls	Pentachlorobiphenyl	a

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Polychlorinated Biphenyls	Tetrachlorobiphenyl	a
2,4,4'-Trichlorobiphenyl (PCB-28)	Polychlorinated Biphenyls	b
2-Chlorobiphenyl (PCB-1)	Polychlorinated Biphenyls	b
4,4'-Dichlorobiphenyl (PCB-15)	Polychlorinated Biphenyls	b
Decachlorobiphenyl (PCB-209)	Polychlorinated Biphenyls	b
Heptachlorobiphenyl	Polychlorinated Biphenyls	b
Hexachlorobiphenyl	Polychlorinated Biphenyls	b
Nonachlorobiphenyl	Polychlorinated Biphenyls	b
Octachlorobiphenyl	Polychlorinated Biphenyls	b
Pentachlorobiphenyl	Polychlorinated Biphenyls	b
Tetrachlorobiphenyl	Polychlorinated Biphenyls	b

Within Agency dataset rule: same

5. Glycol ethers:

- Higher-priority dataset pollutant is Glycol Ethers (171) and lower-priority dataset pollutant is any individual pollutant in the glycol ethers group.
- Higher-priority dataset pollutant is any pollutant in the glycol ethers group and lower-priority dataset pollutant is Glycol Ethers (171)

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Glycol Ethers	Diethylene Glycol Ethyl Methyl Ether	a
Glycol Ethers	Ethyleneglycol Mono-2-Methylpentyl Ether	a
Glycol Ethers	Diethyleneglycol-Mono-2-Methyl-Pentyl Ether	a
Glycol Ethers	Ethylene Glycol Methyl Ether	a
Glycol Ethers	Ethylene Glycol Monomethyl Ether Acetate	a
Glycol Ethers	1,2-Dimethoxyethane	a
Glycol Ethers	Cellosolve Solvent	a
Glycol Ethers	Methoxyethyl Oleate	a
Glycol Ethers	Cellosolve Acetate	a
Glycol Ethers	Diethylene Glycol Monomethyl Ether	a
Glycol Ethers	Diethylene Glycol Monoethyl Ether	a
Glycol Ethers	Diethylene Glycol Dimethyl Ether	a
Glycol Ethers	2-Butoxyethyl Acetate	a
Glycol Ethers	Carbitol Acetate	a
Glycol Ethers	2-(Hexyloxy)Ethanol	a
Glycol Ethers	Diethylene Glycol Monobutyl Ether	a
Glycol Ethers	Methoxytriglycol	a
Glycol Ethers	Diethylene Glycol Diethyl Ether	a
Glycol Ethers	Triethylene Glycol Dimethyl Ether	a
Glycol Ethers	Ethoxytriglycol	a
Glycol Ethers	N-Hexyl Carbitol	a
Glycol Ethers	Phenyl Cellosolve	a
Glycol Ethers	Butyl Carbitol Acetate	a
Glycol Ethers	Methyl Cellosolve Acetylricinoleate	a
Glycol Ethers	Triglycol Monobutyl Ether	a

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Glycol Ethers	Diethylene Glycol Monoisobutyl Ether	a
Glycol Ethers	2-Propoxyethyl Acetate	a
Glycol Ethers	Ethyleneglycol Monophenyl Ether Propionate	a
Glycol Ethers	Propyl Cellosolve	a
Glycol Ethers	Methyl Cellosolve Acrylate	a
Glycol Ethers	Isobutyl Cellosolve	a
Glycol Ethers	Ethylene Glycol Monobenzyl Ether	a
Glycol Ethers	Ethylene Glycol Diethyl Ether	a
Glycol Ethers	Ethylene Glycol Mono-Sec-Butyl Ether	a
Diethylene Glycol Ethyl Methyl Ether	Glycol Ethers	b
Ethyleneglycol Mono-2-Methylpentyl Ether	Glycol Ethers	b
Diethyleneglycol-Mono-2-Methyl-Pentyl Ether	Glycol Ethers	b
Ethylene Glycol Methyl Ether	Glycol Ethers	b
Ethylene Glycol Monomethyl Ether Acetate	Glycol Ethers	b
1,2-Dimethoxyethane	Glycol Ethers	b
Cellosolve Solvent	Glycol Ethers	b
Methoxyethyl Oleate	Glycol Ethers	b
Cellosolve Acetate	Glycol Ethers	b
Diethylene Glycol Monomethyl Ether	Glycol Ethers	b
Diethylene Glycol Monoethyl Ether	Glycol Ethers	b
Diethylene Glycol Dimethyl Ether	Glycol Ethers	b
2-Butoxyethyl Acetate	Glycol Ethers	b
Carbitol Acetate	Glycol Ethers	b
2-(Hexyloxy)Ethanol	Glycol Ethers	b
Diethylene Glycol Monobutyl Ether	Glycol Ethers	b
Methoxytriglycol	Glycol Ethers	b
Diethylene Glycol Diethyl Ether	Glycol Ethers	b
Triethylene Glycol Dimethyl Ether	Glycol Ethers	b
Ethoxytriglycol	Glycol Ethers	b
N-Hexyl Carbitol	Glycol Ethers	b
Phenyl Cellosolve	Glycol Ethers	b
Butyl Carbitol Acetate	Glycol Ethers	b
Methyl Cellosolve Acetylricinoleate	Glycol Ethers	b
Triglycol Monobutyl Ether	Glycol Ethers	b
Diethylene Glycol Monoisobutyl Ether	Glycol Ethers	b
2-Propoxyethyl Acetate	Glycol Ethers	b
Ethyleneglycol Monophenyl Ether Propionate	Glycol Ethers	b
Propyl Cellosolve	Glycol Ethers	b
Methyl Cellosolve Acrylate	Glycol Ethers	b
Isobutyl Cellosolve	Glycol Ethers	b
Ethylene Glycol Monobenzyl Ether	Glycol Ethers	b

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Ethylene Glycol Diethyl Ether	Glycol Ethers	b
Ethylene Glycol Mono-Sec-Butyl Ether	Glycol Ethers	b

Within Agency dataset rule: same

6. CHROMIUM

- Higher-priority dataset pollutant is Chromium Trioxide or Chromic Acid (VI) and lower-priority dataset pollutant is hexavalent chromium
- Higher-priority dataset pollutant is hexavalent chromium and lower-priority dataset pollutant is Chromium Trioxide or Chromic Acid (VI)

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Chromium Trioxide	Chromium (VI)	a
Chromic Acid (VI)	Chromium (VI)	a
Chromium (VI)	Chromium Trioxide	b
Chromium (VI)	Chromic Acid (VI)	b

Within Agency dataset rule: NOT the same. We allow Agencies to report chromium trioxide with chromium VI as we told them we assume that they are different compounds and do not overlap. We allow them to report Chromic Acid (VI) with chromium VI as we told them we assume that they are different compounds and do not overlap. We cannot make that assumption across datasets since we don't have that information.

7. NICKEL

- Higher-priority dataset pollutant is Nickel Subulfide or Nickel Oxide or Nickel Refinery Dust and lower-priority dataset pollutant is Nickel.
- Higher-priority dataset pollutant is Nickel and lower-priority dataset pollutant is Nickel Subulfide or Nickel Oxide or Nickel Refinery Dust

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Rule
Nickel Subulfide	Nickel	a
Nickel Oxide	Nickel	a
Nickel Refinery Dust	Nickel	a
Nickel	Nickel Subulfide	b
Nickel	Nickel Oxide	b
Nickel	Nickel Refinery Dust	b

Within Agency dataset rule: NOT the same. We allow Agencies to report Nickel Subulfide with nickel as we told them we assume that they are different compounds and do not overlap. The same condition applies to nickel oxide and nickel refinery dust. We cannot make that assumption across datasets since we don't have that information.

8. PAHs

Notes-

- Under these rules, if there is more complete coverage of PAHs in a lower priority data set, they may not get used depending on their overlap with the higher priority dataset (e.g., a reporting*

agency reports benzo(a)pyrene but a lower priority dataset has total PAH. The NEI will see only benzo(a)pyrene.)

- 2) For 2017 and 2020, we retired extractable organic matter (EOM)-pollutant code 284. Therefore, rules c, d, e, and f associated with EOM can be ignored. However, if this pollutant is brought out of retirement in the future, these rules would again be active.
- 3) The TRI pollutant N590 (Polycyclic aromatic compounds) is comprised of 25 compounds. All are in EIS except for 5385-75-1 (Dibenzo(a,e)fluoranthene). The remaining 24 are:
Benz(a)anthracene (56553); Benzo(b)fluoranthene (205992); Benzo(j)fluoranthene (205823); Benzo[k]Fluoranthene (207089); Benzo(j,k)fluorene (206440); Benzo(r,s,t)pentaphene (189559); Benzo(a)phenanthrene (218019); Benzo(a)pyrene(50328); Dibenzo(a,h)acridine (226368); Dibenzo(a,j)acridine (224420); Dibenzo(a,h)anthracene (53703); 7H-Dibenzo(c,g)carbazol (194592); Dibenzo(a,e)pyrene (192654); Dibenzo(a,h)pyrene (189640); Dibenzo(a,l)pyrene (191300); 7,12-Dimethylbenz(a)-anthracene (57976); 1,6-Dinitropyrene (42397648); 1,8-Dinitropyrene (42397659); Indeno(1,2,3-cd)pyrene (193395)
 - a. Higher-priority dataset pollutant is Benzofluoranthenes (56832736) and lower-priority dataset pollutant is any individual benzofluoranthene
 - b. Higher-priority dataset pollutant is any individual benzofluoranthene and lower-priority dataset is Benzofluoranthenes (56832736)

If this is in the Higher Level Dataset	Pollutant code Higher level dataset	DO NOT USE lower level dataset	Pollutant code lower level dataset	Rule
Benzofluoranthenes	56832736	Benzo(g,h,i)Fluoranthene	203123	a
Benzofluoranthenes	56832736	Benzo(a)Fluoranthene	203338	a
Benzofluoranthenes	56832736	Benzo[j]fluoranthene	205823	a
Benzofluoranthenes	56832736	Benzo[b]Fluoranthene	205992	a
Benzofluoranthenes	56832736	Benzo[k]Fluoranthene	207089	a
Benzo(g,h,i)Fluoranthene	203123	Benzofluoranthenes	56832736	b
Benzo(a)Fluoranthene	203338	Benzofluoranthenes	56832736	b
Benzo[j]fluoranthene	205823	Benzofluoranthenes	56832736	b
Benzo[b]Fluoranthene	205992	Benzofluoranthenes	56832736	b
Benzo[k]Fluoranthene	207089	Benzofluoranthenes	56832736	b

Within Agency dataset rule: Not the same. We currently allow benzofluoranthenes to be reported with the other individual ones. Three agencies (AZ, MN, ID) sent data with pollutant overlaps for the 2017 NEI. We assume they are additive and do not double count one another.

- c. Higher-priority dataset pollutant is any individual known PAH and lower-priority dataset poll is 130498292 (PAH,total), 250 (PAH/POM - Unspecified) or 284 (Extractable Organic Matter)

Within Agency dataset rule: NOT the same and should not be changed to be the same because (1) we allow 250 to be reported with any specified PAH except PAH, total, and (2) we allow Extractable Organic Matter to be reported with 250 within an agency dataset.

If this is in the Higher Level Dataset	Pollutant code Higher level dataset	DO NOT USE lower level dataset	Pollutant code lower level dataset	Rule
Anthracene	120127	PAH,total	130498292	c
Pyrene	129000	PAH,total	130498292	c
Dibenzo[a,i]Pyrene	189559	PAH,total	130498292	c
Dibenzo[a,h]Pyrene	189640	PAH,total	130498292	c
Benzo[g,h,i]Perylene	191242	PAH,total	130498292	c
Dibenzo[a,l]Pyrene	191300	PAH,total	130498292	c
Dibenzo[a,e]Pyrene	192654	PAH,total	130498292	c
Benzo[e]Pyrene	192972	PAH,total	130498292	c
Indeno[1,2,3-c,d]Pyrene	193395	PAH,total	130498292	c
7H-Dibenzo[c,g]carbazole	194592	PAH,total	130498292	c
Benzo(c)phenanthrene	195197	PAH,total	130498292	c
Perylene	198550	PAH,total	130498292	c
Benzo(g,h,i)Fluoranthene	203123	PAH,total	130498292	c
Benzo(a)Fluoranthene	203338	PAH,total	130498292	c
Benzo[j]fluoranthene	205823	PAH,total	130498292	c
Benzo[b]Fluoranthene	205992	PAH,total	130498292	c
Fluoranthene	206440	PAH,total	130498292	c
Benzo[k]Fluoranthene	207089	PAH,total	130498292	c
Acenaphthylene	208968	PAH,total	130498292	c
Chrysene	218019	PAH,total	130498292	c
Dibenzo[a,j]Acridine	224420	PAH,total	130498292	c
Dibenz[a,h]acridine	226368	PAH,total	130498292	c
1-Methylpyrene	2381217	PAH,total	130498292	c
12-Methylbenz(a)Anthracene	2422799	PAH,total	130498292	c
2-Methylphenanthrene	2531842	PAH,total	130498292	c
Methylanthracene	26914181	PAH,total	130498292	c
5-Methylchrysene	3697243	PAH,total	130498292	c
Methylchrysene	41637905	PAH,total	130498292	c
1,6-Dinitropyrene	42397648	PAH,total	130498292	c
1,8-Dinitropyrene	42397659	PAH,total	130498292	c
Benzo[a]Pyrene	50328	PAH,total	130498292	c
Dibenzo[a,h]Anthracene	53703	PAH,total	130498292	c
1-Nitropyrene	5522430	PAH,total	130498292	c
3-Methylcholanthrene	56495	PAH,total	130498292	c
Benz[a]Anthracene	56553	PAH,total	130498292	c
Benzo[fluoranthenes	56832736	PAH,total	130498292	c
4-Nitropyrene	57835924	PAH,total	130498292	c
7,12-Dimethylbenz[a]Anthracene	57976	PAH,total	130498292	c
5-Nitroacenaphthene	602879	PAH,total	130498292	c
2-Nitrofluorene	607578	PAH,total	130498292	c
Methylbenzopyrene	65357699	PAH,total	130498292	c

If this is in the Higher Level Dataset	Pollutant code Higher level dataset	DO NOT USE lower level dataset	Pollutant code lower level dataset	Rule
6-Nitrochrysene	7496028	PAH,total	130498292	c
9-Methyl Anthracene	779022	PAH,total	130498292	c
Coal Tar	8007452	PAH,total	130498292	c
1-Methylphenanthrene	832699	PAH,total	130498292	c
Acenaphthene	83329	PAH,total	130498292	c
Phenanthrene	85018	PAH,total	130498292	c
Fluorene	86737	PAH,total	130498292	c
Carbazole	86748	PAH,total	130498292	c
1-Methylnaphthalene	90120	PAH,total	130498292	c
2-Methylnaphthalene	91576	PAH,total	130498292	c
2-Chloronaphthalene	91587	PAH,total	130498292	c
Anthracene	120127	PAH/POM - Unspecified	250	c
Pyrene	129000	PAH/POM - Unspecified	250	c
Dibenzo[a,i]Pyrene	189559	PAH/POM - Unspecified	250	c
Dibenzo[a,h]Pyrene	189640	PAH/POM - Unspecified	250	c
Benzo[g,h,i]Perylene	191242	PAH/POM - Unspecified	250	c
Dibenzo[a,l]Pyrene	191300	PAH/POM - Unspecified	250	c
Dibenzo[a,e]Pyrene	192654	PAH/POM - Unspecified	250	c
Benzo[e]Pyrene	192972	PAH/POM - Unspecified	250	c
Indeno[1,2,3-c,d]Pyrene	193395	PAH/POM - Unspecified	250	c
7H-Dibenzo[c,g]carbazole	194592	PAH/POM - Unspecified	250	c
Benzo(c)phenanthrene	195197	PAH/POM - Unspecified	250	c
Perylene	198550	PAH/POM - Unspecified	250	c
Benzo(g,h,i)Fluoranthene	203123	PAH/POM - Unspecified	250	c
Benzo(a)Fluoranthene	203338	PAH/POM - Unspecified	250	c
Benzo[j]fluoranthene	205823	PAH/POM - Unspecified	250	c
Benzo[b]Fluoranthene	205992	PAH/POM - Unspecified	250	c
Fluoranthene	206440	PAH/POM - Unspecified	250	c
Benzo[k]Fluoranthene	207089	PAH/POM - Unspecified	250	c
Acenaphthylene	208968	PAH/POM - Unspecified	250	c
Chrysene	218019	PAH/POM - Unspecified	250	c
Dibenzo[a,j]Acridine	224420	PAH/POM - Unspecified	250	c
Dibenz[a,h]acridine	226368	PAH/POM - Unspecified	250	c
1-Methylpyrene	2381217	PAH/POM - Unspecified	250	c
12-Methylbenz(a)Anthracene	2422799	PAH/POM - Unspecified	250	c
2-Methylphenanthrene	2531842	PAH/POM - Unspecified	250	c
Methylantracene	26914181	PAH/POM - Unspecified	250	c
5-Methylchrysene	3697243	PAH/POM - Unspecified	250	c
Methylchrysene	41637905	PAH/POM - Unspecified	250	c
1,6-Dinitropyrene	42397648	PAH/POM - Unspecified	250	c
1,8-Dinitropyrene	42397659	PAH/POM - Unspecified	250	c
Benzo[a]Pyrene	50328	PAH/POM - Unspecified	250	c

If this is in the Higher Level Dataset	Pollutant code Higher level dataset	DO NOT USE lower level dataset	Pollutant code lower level dataset	Rule
Dibenzo[a,h]Anthracene	53703	PAH/POM - Unspecified	250	c
1-Nitropyrene	5522430	PAH/POM - Unspecified	250	c
3-Methylcholanthrene	56495	PAH/POM - Unspecified	250	c
Benz[a]Anthracene	56553	PAH/POM - Unspecified	250	c
Benzofluoranthenes	56832736	PAH/POM - Unspecified	250	c
4-Nitropyrene	57835924	PAH/POM - Unspecified	250	c
7,12-Dimethylbenz[a]Anthracene	57976	PAH/POM - Unspecified	250	c
5-Nitroacenaphthene	602879	PAH/POM - Unspecified	250	c
2-Nitrofluorene	607578	PAH/POM - Unspecified	250	c
Methylbenzopyrene	65357699	PAH/POM - Unspecified	250	c
6-Nitrochrysene	7496028	PAH/POM - Unspecified	250	c
9-Methyl Anthracene	779022	PAH/POM - Unspecified	250	c
Coal Tar	8007452	PAH/POM - Unspecified	250	c
1-Methylphenanthrene	832699	PAH/POM - Unspecified	250	c
Acenaphthene	83329	PAH/POM - Unspecified	250	c
Phenanthrene	85018	PAH/POM - Unspecified	250	c
Fluorene	86737	PAH/POM - Unspecified	250	c
Carbazole	86748	PAH/POM - Unspecified	250	c
1-Methylnaphthalene	90120	PAH/POM - Unspecified	250	c
2-Methylnaphthalene	91576	PAH/POM - Unspecified	250	c
2-Chloronaphthalene	91587	PAH/POM - Unspecified	250	c
Anthracene	120127	Extractable Organic Matter	284	c
Pyrene	129000	Extractable Organic Matter	284	c
Dibenzo[a,i]Pyrene	189559	Extractable Organic Matter	284	c
Dibenzo[a,h]Pyrene	189640	Extractable Organic Matter	284	c
Benzo[g,h,i,]Perylene	191242	Extractable Organic Matter	284	c
Dibenzo[a,l]Pyrene	191300	Extractable Organic Matter	284	c
Dibenzo[a,e]Pyrene	192654	Extractable Organic Matter	284	c
Benzo[e]Pyrene	192972	Extractable Organic Matter	284	c
Indeno[1,2,3-c,d]Pyrene	193395	Extractable Organic Matter	284	c
7H-Dibenzo[c,g]carbazole	194592	Extractable Organic Matter	284	c

If this is in the Higher Level Dataset	Pollutant code Higher level dataset	DO NOT USE lower level dataset	Pollutant code lower level dataset	Rule
Benzo(c)phenanthrene	195197	Extractable Organic Matter	284	c
Perylene	198550	Extractable Organic Matter	284	c
Benzo(g,h,i)Fluoranthene	203123	Extractable Organic Matter	284	c
Benzo(a)Fluoranthene	203338	Extractable Organic Matter	284	c
Benzo[j]fluoranthene	205823	Extractable Organic Matter	284	c
Benzo[b]Fluoranthene	205992	Extractable Organic Matter	284	c
Fluoranthene	206440	Extractable Organic Matter	284	c
Benzo[k]Fluoranthene	207089	Extractable Organic Matter	284	c
Acenaphthylene	208968	Extractable Organic Matter	284	c
Chrysene	218019	Extractable Organic Matter	284	c
Dibenzo[a,j]Acridine	224420	Extractable Organic Matter	284	c
Dibenz[a,h]acridine	226368	Extractable Organic Matter	284	c
1-Methylpyrene	2381217	Extractable Organic Matter	284	c
12-Methylbenz(a)Anthracene	2422799	Extractable Organic Matter	284	c
2-Methylphenanthrene	2531842	Extractable Organic Matter	284	c
Methylanthracene	26914181	Extractable Organic Matter	284	c
5-Methylchrysene	3697243	Extractable Organic Matter	284	c
Methylchrysene	41637905	Extractable Organic Matter	284	c
1,6-Dinitropyrene	42397648	Extractable Organic Matter	284	c
1,8-Dinitropyrene	42397659	Extractable Organic Matter	284	c
Benzo[a]Pyrene	50328	Extractable Organic Matter	284	c

If this is in the Higher Level Dataset	Pollutant code Higher level dataset	DO NOT USE lower level dataset	Pollutant code lower level dataset	Rule
Dibenzo[a,h]Anthracene	53703	Extractable Organic Matter	284	c
1-Nitropyrene	5522430	Extractable Organic Matter	284	c
3-Methylcholanthrene	56495	Extractable Organic Matter	284	c
Benz[a]Anthracene	56553	Extractable Organic Matter	284	c
Benzofluoranthenes	56832736	Extractable Organic Matter	284	c
4-Nitropyrene	57835924	Extractable Organic Matter	284	c
7,12-Dimethylbenz[a]Anthracene	57976	Extractable Organic Matter	284	c
5-Nitroacenaphthene	602879	Extractable Organic Matter	284	c
2-Nitrofluorene	607578	Extractable Organic Matter	284	c
Methylbenzopyrene	65357699	Extractable Organic Matter	284	c
6-Nitrochrysene	7496028	Extractable Organic Matter	284	c
9-Methyl Anthracene	779022	Extractable Organic Matter	284	c
Coal Tar	8007452	Extractable Organic Matter	284	c
1-Methylphenanthrene	832699	Extractable Organic Matter	284	c
Acenaphthene	83329	Extractable Organic Matter	284	c
Phenanthrene	85018	Extractable Organic Matter	284	c
Fluorene	86737	Extractable Organic Matter	284	c
Carbazole	86748	Extractable Organic Matter	284	c
1-Methylnaphthalene	90120	Extractable Organic Matter	284	c
2-Methylnaphthalene	91576	Extractable Organic Matter	284	c
2-Chloronaphthalene	91587	Extractable Organic Matter	284	c

- d. Higher-priority dataset pollutant is 130498292 (PAH,total) or 250 (PAH/POM - Unspecified) or 284 (Extractable Organic Matter) and lower-priority dataset poll is any individual known PAH

Within Agency dataset rule: NOT the same and should not be changed to be the same because (1) we allow 250 to be reported with any specified PAH except PAH, total, and (2) we allow Extractable Organic Matter to be reported with 250 within an agency dataset.

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Pollutant Code lower level dataset	Rule
PAH,total	Anthracene	120127	d
PAH,total	Pyrene	129000	d
PAH,total	Dibenzo[a,i]Pyrene	189559	d
PAH,total	Dibenzo[a,h]Pyrene	189640	d
PAH,total	Benzo[g,h,i]Perylene	191242	d
PAH,total	Dibenzo[a,l]Pyrene	191300	d
PAH,total	Dibenzo[a,e]Pyrene	192654	d
PAH,total	Benzo[e]Pyrene	192972	d
PAH,total	Indeno[1,2,3-c,d]Pyrene	193395	d
PAH,total	7H-Dibenzo[c,g]carbazole	194592	d
PAH,total	Benzo(c)phenanthrene	195197	d
PAH,total	Perylene	198550	d
PAH,total	Benzo(g,h,i)Fluoranthene	203123	d
PAH,total	Benzo(a)Fluoranthene	203338	d
PAH,total	Benzo[j]fluoranthene	205823	d
PAH,total	Benzo[b]Fluoranthene	205992	d
PAH,total	Fluoranthene	206440	d
PAH,total	Benzo[k]Fluoranthene	207089	d
PAH,total	Acenaphthylene	208968	d
PAH,total	Chrysene	218019	d
PAH,total	Dibenzo[a,j]Acridine	224420	d
PAH,total	Dibenz[a,h]acridine	226368	d
PAH,total	1-Methylpyrene	2381217	d
PAH,total	12-Methylbenz(a)Anthracene	2422799	d
PAH,total	PAH/POM - Unspecified	250	d
PAH,total	2-Methylphenanthrene	2531842	d
PAH,total	Methylanthracene	26914181	d
PAH,total	5-Methylchrysene	3697243	d
PAH,total	Methylchrysene	41637905	d
PAH,total	1,6-Dinitropyrene	42397648	d
PAH,total	1,8-Dinitropyrene	42397659	d
PAH,total	Benzo[a]Pyrene	50328	d
PAH,total	Dibenzo[a,h]Anthracene	53703	d
PAH,total	1-Nitropyrene	5522430	d
PAH,total	3-Methylcholanthrene	56495	d
PAH,total	Benz[a]Anthracene	56553	d
PAH,total	Benzofluoranthenes	56832736	d

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Pollutant Code lower level dataset	Rule
PAH,total	4-Nitropyrene	57835924	d
PAH,total	7,12-Dimethylbenz[a]Anthracene	57976	d
PAH,total	5-Nitroacenaphthene	602879	d
PAH,total	2-Nitrofluorene	607578	d
PAH,total	Methylbenzopyrene	65357699	d
PAH,total	6-Nitrochrysene	7496028	d
PAH,total	9-Methyl Anthracene	779022	d
PAH,total	Coal Tar	8007452	d
PAH,total	1-Methylphenanthrene	832699	d
PAH,total	Acenaphthene	83329	d
PAH,total	Phenanthrene	85018	d
PAH,total	Fluorene	86737	d
PAH,total	Carbazole	86748	d
PAH,total	1-Methylnaphthalene	90120	d
PAH,total	2-Methylnaphthalene	91576	d
PAH,total	2-Chloronaphthalene	91587	d
PAH,total	Extractable Organic Matter	284	d
PAH/POM - Unspecified	Anthracene	120127	d
PAH/POM - Unspecified	Pyrene	129000	d
PAH/POM - Unspecified	PAH, total	130498292	d
PAH/POM - Unspecified	Dibenzo[a,i]Pyrene	189559	d
PAH/POM - Unspecified	Dibenzo[a,h]Pyrene	189640	d
PAH/POM - Unspecified	Benzo[g,h,i]Perylene	191242	d
PAH/POM - Unspecified	Dibenzo[a,l]Pyrene	191300	d
PAH/POM - Unspecified	Dibenzo[a,e]Pyrene	192654	d
PAH/POM - Unspecified	Benzo[e]Pyrene	192972	d
PAH/POM - Unspecified	Indeno[1,2,3-c,d]Pyrene	193395	d
PAH/POM - Unspecified	7H-Dibenzo[c,g]carbazole	194592	d
PAH/POM - Unspecified	Benzo(c)phenanthrene	195197	d
PAH/POM - Unspecified	Perylene	198550	d
PAH/POM - Unspecified	Benzo(g,h,i)Fluoranthene	203123	d
PAH/POM - Unspecified	Benzo(a)Fluoranthene	203338	d
PAH/POM - Unspecified	Benzo[j]fluoranthene	205823	d
PAH/POM - Unspecified	Benzo[b]Fluoranthene	205992	d
PAH/POM - Unspecified	Fluoranthene	206440	d
PAH/POM - Unspecified	Benzo[k]Fluoranthene	207089	d
PAH/POM - Unspecified	Acenaphthylene	208968	d
PAH/POM - Unspecified	Chrysene	218019	d
PAH/POM - Unspecified	Dibenzo[a,j]Acridine	224420	d
PAH/POM - Unspecified	Dibenz[a,h]acridine	226368	d
PAH/POM - Unspecified	1-Methylpyrene	2381217	d
PAH/POM - Unspecified	12-Methylbenz(a)Anthracene	2422799	d
PAH/POM - Unspecified	PAH/POM - Unspecified	250	d
PAH/POM - Unspecified	2-Methylphenanthrene	2531842	d

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Pollutant Code lower level dataset	Rule
PAH/POM - Unspecified	Methylanthracene	26914181	d
PAH/POM - Unspecified	5-Methylchrysene	3697243	d
PAH/POM - Unspecified	Methylchrysene	41637905	d
PAH/POM - Unspecified	1,6-Dinitropyrene	42397648	d
PAH/POM - Unspecified	1,8-Dinitropyrene	42397659	d
PAH/POM - Unspecified	Benzo[a]Pyrene	50328	d
PAH/POM - Unspecified	Dibenzo[a,h]Anthracene	53703	d
PAH/POM - Unspecified	1-Nitropyrene	5522430	d
PAH/POM - Unspecified	3-Methylcholanthrene	56495	d
PAH/POM - Unspecified	Benz[a]Anthracene	56553	d
PAH/POM - Unspecified	Benzo[fluoranthene]	56832736	d
PAH/POM - Unspecified	4-Nitropyrene	57835924	d
PAH/POM - Unspecified	7,12-Dimethylbenz[a]Anthracene	57976	d
PAH/POM - Unspecified	5-Nitroacenaphthene	602879	d
PAH/POM - Unspecified	2-Nitrofluorene	607578	d
PAH/POM - Unspecified	Methylbenzopyrene	65357699	d
PAH/POM - Unspecified	6-Nitrochrysene	7496028	d
PAH/POM - Unspecified	9-Methyl Anthracene	779022	d
PAH/POM - Unspecified	Coal Tar	8007452	d
PAH/POM - Unspecified	1-Methylphenanthrene	832699	d
PAH/POM - Unspecified	Acenaphthene	83329	d
PAH/POM - Unspecified	Phenanthrene	85018	d
PAH/POM - Unspecified	Fluorene	86737	d
PAH/POM - Unspecified	Carbazole	86748	d
PAH/POM - Unspecified	1-Methylnaphthalene	90120	d
PAH/POM - Unspecified	2-Methylnaphthalene	91576	d
PAH/POM - Unspecified	2-Chloronaphthalene	91587	d
PAH/POM - Unspecified	Extractable Organic Matter	284	d
Extractable Organic Matter	Anthracene	120127	d
Extractable Organic Matter	Pyrene	129000	d
Extractable Organic Matter	PAH, total	130498292	d
Extractable Organic Matter	Dibenzo[a,i]Pyrene	189559	d
Extractable Organic Matter	Dibenzo[a,h]Pyrene	189640	d
Extractable Organic Matter	Benzo[g,h,i,]Perylene	191242	d
Extractable Organic Matter	Dibenzo[a,l]Pyrene	191300	d
Extractable Organic Matter	Dibenzo[a,e]Pyrene	192654	d
Extractable Organic Matter	Benzo[e]Pyrene	192972	d
Extractable Organic Matter	Indeno[1,2,3-c,d]Pyrene	193395	d
Extractable Organic Matter	7H-Dibenzo[c,g]carbazole	194592	d
Extractable Organic Matter	Benzo(c)phenanthrene	195197	d
Extractable Organic Matter	Perylene	198550	d
Extractable Organic Matter	Benzo(g,h,i)Fluoranthene	203123	d
Extractable Organic Matter	Benzo(a)Fluoranthene	203338	d
Extractable Organic Matter	Benzo[j]fluoranthene	205823	d

If this is in the Higher Level Dataset	DO NOT USE lower level dataset	Pollutant Code lower level dataset	Rule
Extractable Organic Matter	Benzo[b]Fluoranthene	205992	d
Extractable Organic Matter	Fluoranthene	206440	d
Extractable Organic Matter	Benzo[k]Fluoranthene	207089	d
Extractable Organic Matter	Acenaphthylene	208968	d
Extractable Organic Matter	Chrysene	218019	d
Extractable Organic Matter	Dibenzo[a,j]Acridine	224420	d
Extractable Organic Matter	Dibenz[a,h]acridine	226368	d
Extractable Organic Matter	1-Methylpyrene	2381217	d
Extractable Organic Matter	12-Methylbenz(a)Anthracene	2422799	d
Extractable Organic Matter	PAH/POM - Unspecified	250	d
Extractable Organic Matter	2-Methylphenanthrene	2531842	d
Extractable Organic Matter	Methylanthracene	26914181	d
Extractable Organic Matter	5-Methylchrysene	3697243	d
Extractable Organic Matter	Methylchrysene	41637905	d
Extractable Organic Matter	1,6-Dinitropyrene	42397648	d
Extractable Organic Matter	1,8-Dinitropyrene	42397659	d
Extractable Organic Matter	Benzo[a]Pyrene	50328	d
Extractable Organic Matter	Dibenzo[a,h]Anthracene	53703	d
Extractable Organic Matter	1-Nitropyrene	5522430	d
Extractable Organic Matter	3-Methylcholanthrene	56495	d
Extractable Organic Matter	Benz[a]Anthracene	56553	d
Extractable Organic Matter	Benzofluoranthenes	56832736	d
Extractable Organic Matter	4-Nitropyrene	57835924	d
Extractable Organic Matter	7,12-Dimethylbenz[a]Anthracene	57976	d
Extractable Organic Matter	5-Nitroacenaphthene	602879	d
Extractable Organic Matter	2-Nitrofluorene	607578	d
Extractable Organic Matter	Methylbenzopyrene	65357699	d
Extractable Organic Matter	6-Nitrochrysene	7496028	d
Extractable Organic Matter	9-Methyl Anthracene	779022	d
Extractable Organic Matter	Coal Tar	8007452	d
Extractable Organic Matter	1-Methylphenanthrene	832699	d
Extractable Organic Matter	Acenaphthene	83329	d
Extractable Organic Matter	Phenanthrene	85018	d
Extractable Organic Matter	Fluorene	86737	d
Extractable Organic Matter	Carbazole	86748	d
Extractable Organic Matter	1-Methylnaphthalene	90120	d
Extractable Organic Matter	2-Methylnaphthalene	91576	d
Extractable Organic Matter	2-Chloronaphthalene	91587	d

- e. Higher-priority dataset pollutant is PAC (N590) and lower-priority dataset pollutant is any individual pollutant in the **N590 group** or “PAH/POM – unspecified”, or “PAH, Total” or EOM

Within agency dataset rule: not the same because we will allow N590 and 250 to be reported together. However, we don’t allow N590 and any of the other rule “e” pollutants.

- f. Higher-priority dataset pollutant is any individual pollutant in the N590 group , or “PAH/POM – unspecified”, or “PAH, Total” or EOM, and lower-priority dataset pollutant is PAC (N590).

If this is in the Higher Level Dataset	Code for the higher level dataset	DO NOT USE lower level dataset	Code for the lower dataset	Rule
PAC *	N590	Extractable Organic Matter	284	e
PAC *	N590	PAH, total	130498292	e
PAC *	N590	PAH/POM - Unspecified	250	e
PAC *	N590	Benzofluoranthenes	56832736	e
PAC *	N590	Benz(a)anthracene	56553	e
PAC *	N590	Benzo(b)fluoranthene	205992	e
PAC *	N590	Benzo(j)fluoranthene	205823	e
PAC *	N590	Benzo[k]Fluoranthene	207089	e
PAC *	N590	Benzo(j,k)fluorene	206440	e
PAC *	N590	Benzo(r,s,t)pentaphene	189559	e
PAC *	N590	Benzo(a)phenanthrene	218019	e
PAC *	N590	Benzo(a)pyrene	50328	e
PAC *	N590	Dibenz(a,h)acridine	226368	e
PAC *	N590	Dibenz(a,j)acridine	224420	e
PAC *	N590	Dibenzo(a,h)anthracene	53703	e
PAC *	N590	7H-Dibenzo(c,g)carbazol	194592	e
PAC *	N590	Dibenzo(a,e)pyrene	192654	e
PAC *	N590	Dibenzo(a,h)pyrene	189640	e
PAC *	N590	Dibenzo(a,l)pyrene	191300	e
PAC *	N590	7,12-Dimethylbenz(a)-anthracene	57976	e
PAC *	N590	1,6-Dinitropyrene	42397648	e
PAC *	N590	1,8-Dinitropyrene	42397659	e
PAC *	N590	Indeno(1,2,3-cd)pyrene	193395	e
PAC *	N590	3-Methylcholanthrene	56495	e
PAC *	N590	5-Methylchrysene	3697243	e
PAC *	N590	6-Nitrochrysene	7496028	e
PAC *	N590	1-Nitropyrene	5522430	e
PAC *	N590	4-Nitropyrene	57835924	e
PAH, total	130498292	PAC *	N590	f
PAH/POM - Unspecified	250	PAC *	N590	f
Extractable Organic Matter	284	PAC *	N590	f
Benzofluoranthenes	56832736	PAC *	N590	f
Benz(a)anthracene	56553	PAC *	N590	f
Benzo(b)fluoranthene	205992	PAC *	N590	f
Benzo(j)fluoranthene	205823	PAC *	N590	f
Benzo[k]Fluoranthene	207089	PAC *	N590	f
Benzo(j,k)fluorene	206440	PAC *	N590	f
Benzo(r,s,t)pentaphene	189559	PAC *	N590	f

If this is in the Higher Level Dataset	Code for the higher level dataset	DO NOT USE lower level dataset	Code for the lower dataset	Rule
Benzo(a)phenanthrene	218019	PAC *	N590	f
Benzo(a)pyrene	50328	PAC *	N590	f
Dibenz(a,h)acridine	226368	PAC *	N590	f
Dibenz(a,j)acridine	224420	PAC *	N590	f
Dibenzo(a,h)anthracene	53703	PAC *	N590	f
7H-Dibenzo(c,g)carbazol	194592	PAC *	N590	f
Dibenzo(a,e)pyrene	192654	PAC *	N590	f
Dibenzo(a,h)pyrene	189640	PAC *	N590	f
Dibenzo(a,l)pyrene	191300	PAC *	N590	f
7,12-Dimethylbenz(a)-anthracene	57976	PAC *	N590	f
1,6-Dinitropyrene	42397648	PAC *	N590	f
1,8-Dinitropyrene	42397659	PAC *	N590	f
Indeno(1,2,3-cd)pyrene	193395	PAC *	N590	f
3-Methylcholanthrene	56495	PAC *	N590	f
5-Methylchrysene	3697243	PAC *	N590	f
6-Nitrochrysene	7496028	PAC *	N590	f
1-Nitropyrene	5522430	PAC *	N590	f
4-Nitropyrene	57835924	PAC *	N590	f

*full name in EIS pollutant code table is: Polycyclic aromatic compounds (includes 25 specific compounds)