

MEMORANDUM

TO: Community Advisory Council Members

FROM: Douglas Grapple

- **DATE:** September 9, 2009
- **SUBJECT:** Request for Steering Recommendations on Key Issues Relative to Proposed Amended Rule 321, Solvent Cleaning Machines and Solvent Cleaning, Rule 102, Definitions, and Rule 202, Exemptions from Rule 201

The Santa Barbara County Air Pollution Control District (District) is seeking recommendations from the Community Advisory Council on two key aspects of the Rule 321 project:

- 1. Should the District make Rule 321 applicable to solvents containing a toxic air contaminant in excess of two percent?
- 2. Should the Rule 202 exemption text and the Rule 321 "general solvent use" limit indicate 25 or 50 grams of reactive organic compounds (ROCs) per liter?

The following background information is provided for your consideration.

Background:

The District made a draft Rule 321 available for review in mid-May and held a workshop on June 25, 2009. During the workshop, the regulated community requested that the District provide additional detailed support materials. The rulemaking staff is in the final stages of preparing those documents. Additional tasks on the project include responding to comments, revising the draft rules, and updating the Background Paper. The District continues to work closely with stakeholders on specific issues. Rulemaking staff is seeking recommendations from the CAC on the two key aspects listed above to help define the scope of the project.

Inclusion of Toxic Air Contaminants (TACs) in the Project¹

The District has proposed that TACs be included in the Rule 321 project. Provisions on TACs would be integrated through revisions to Rules 102 and Rule 321, as follows:

Rule 102

"Solvent" means any liquid containing any reactive organic compound or any toxic air contaminant, which is used as a diluent, thinner, dissolver, viscosity reducer, cleaning agent, drying agent, or other similar uses.

Rule 321.B

Except as otherwise specifically provided herein, the provisions of this rule shall not apply to the following:

- 1. Any solvent cleaning machine equipped with and any solvent cleaning performed with a solvent (including emulsions) that contains two percent by weight or less of each of the following:
 - a. Reactive organic compounds (as determined by Environmental Protection Agency method 24), and
 - b. Toxic air contaminants (as determined by generic solvent data, solvent manufacturer's composition data or by a gas chromatography test and a mass spectrometry test).

District Justification for Including TACs in the Project

- a. Including TACs in the term *solvent* is necessary so that Rule 321 control techniques will apply to cleaning agents that would otherwise be exempt from the rule. The District wants Rule 321 to apply to non-ROC solvents such as methylene chloride and other TAC solvents not covered by the federal requirements. This is consistent with the District's authority and efforts to protect the people and the environment from the harmful effects of air pollution.
- b. The District has seen that the adoption of some new and revised rules for reducing ROC emissions had the tendency to increase TAC emissions. For example, coating manufacturers complying with ROC limits may replaced ROC materials with non-ROC, TAC materials in their coatings. By including TACs in the *solvent* definition and revising 321.B.1 as

¹ A list of toxic air contaminants is provided in Attachment 1.

shown above, there should not be a significant increase in TAC emissions from the revised Rule 321.

- c. The proposed amendments to cold and vapor solvent cleaning machine requirements will reduce toxic risks from the use of TAC solvents by requiring the use of airless/air-tight solvent cleaning machines or through substitution of alternative solvents or process changes.
- d. The Environmental Impact Report for the 1991 Santa Barbara County Air Quality Attainment Plan, indicated in Chapter 4, Project Impacts and Mitigation Measures, under the "Reformulation (RE)" category,
 "MITIGATION: None required; however avoiding the use of potentially toxic compounds as solvent and coating substitutes would result in a net benefit." The District believes that by making Rule 321 requirements applicable to TAC solvents, the rule revision will be consistent with the findings in the 1991 EIR.

Stakeholder Concerns About Including TACs in the Project

- a. Industry representatives point out that the District is promulgating the Rule 321 revisions in response to an ROC control measure in a Clean Air Plan; not as a toxic air contaminant control measure. Further, CARB or the District should first have an air toxic control measure (ATCM) for solvent cleaning machines and solvent cleaning and then propose to adopt the ATCM as a rule.
- b. Members of the regulated community indicate that the proposed amended Rule 321 is too complicated. Including TACs only complicates things more. By removing this aspect from the project, the rules become simpler.
- c. Other air district solvent rules allow the use of non-ROC solvents that contain TACs. Their rules exempt solvent cleaning machines and solvent cleaning that use such solvent from their requirements. By excluding TACs from the project, the District will be generally consistent with the approach used by most of the other air districts.

Exemption and Prohibitory Rule Requirements Based on 25 or 50 Grams per Liter

The District proposed that Rule 202 exemption text and the Rule 321 "general solvent use" ROC limit be 50 grams per liter (gr/l). The following shows where the Rule 202 and the Rule 321 text refer to 50 gr/l:

Rule 202:

I. Coatings Applications Equipment and Operations

The following listed coating applications equipment and operations are exempt from permit requirements. [...]

3. Equipment used in surface coating operations provided that the total amount of coatings and solvents used does not exceed 55 gallons per year. [...] Cleaning agents meeting the criteria of Section U.2.b or Section U.2.c or that have a reactive organic compound content of 50 grams per liter or less, as determined by the Environmental Protection Agency Reference Method 24, do not contribute to the 55 gallons per year per stationary source limitation. [...]

U. Solvent Application Equipment and Operations [...]

- 2. Single solvent cleaning machines, which use unheated solvent, and which: [...]
 - d. The liquid surface area of any solvent cleaning machine using the following solvent(s) shall not be counted towards the 0.929 square meter (10 square feet) aggregate limit in subsection a above:
 - 1) Any solvent that has a reactive organic compound content of 50 grams per liter or less, as determined by the Environmental Protection Agency Method 24.
 - 2) Any solvent exempt pursuant to subsection b or subsection c above.
- 3. Wipe cleaning operations, provided that the solvents used do not exceed 55 gallons per year per stationary source and that the solvent cleaning complies with the requirements in Rule 321, Solvent Cleaning Machines and Solvent Cleaning. [...]

Solvents meeting the criteria of 2.b. or c. above or that have a reactive organic compound content of 50 grams per liter or less, as determined by the Environmental Protection Agency Reference Method 24, do not contribute to the 55 gallons per year per stationary source limitation.

Rule 321:

- **H.** Additional Equipment Requirements for Remote Reservoir Cold Cleaning Machines. Any person who owns, operates, or uses any remote reservoir cold cleaning machine shall ensure that it is equipped with the following: [...]
 - 7. Effective [*one year from the date of revised rule adoption*], except when using an emission control system that meets the requirements of Section N, solvent that contains 50 grams of reactive organic compound per liter of material or less. [...]
- I. Additional Equipment Requirements for Batch Cold Cleaning Machines. Any person who owns, operates, or uses any batch cold cleaning machine other than a remote reservoir cold cleaning machine shall ensure that it is equipped with the following: [...]
 - 7. Effective [*one year from the date of revised rule adoption*], except when using an emission control system that meets the requirements of Section N, solvent that contains 50 grams of reactive organic compound per liter of material or less. [...]

- **K.** Additional Equipment Requirements for In-Line Cold Cleaning Machines. Any person who owns, operates, or uses any batch in-line cold cleaning machine shall ensure that it is equipped with the following: [...]
 - 6. Effective [*one year from the date of revised rule adoption*], except when using an emission control system that meets the requirements of Section N, solvent that contains 50 grams of reactive organic compound per liter of material or less. [...]

M. Requirements - Solvent Cleaning. [...]

SOLVENT CLEANING ACTIVITY	ROC Limit, grams of ROC per liter of material (pounds of ROC per gallon ¹)
(a) Product Cleaning During Manufacturing Processes and Surface Properties (Application:	reparation for Coating
(i) General	50 (0.42)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.51)
(iii) Medical Devices & Pharmaceuticals	900 (7.51)
(b) Repair Cleaning and Maintenance Cleaning:	
(i) General	50 (0.42)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.51)
(iii) Medical Devices & Pharmaceuticals:	
(I) Tools, Equipment, & Machinery	900 (7.51)
(II) General Work Surfaces	900 (7.51)
(c) Cleaning of Coatings Application Equipment	950 (7.93)

Table 1: Reactive Organic Compound Content Limits for Solvent Cleaning

¹ English units are provided for information only.

SOLVENT CLEANING ACTIVITY	ROC Limit, grams of ROC per liter of material (pounds of ROC per gallon ¹)
(d) Cleaning of the Following Items and Equipment and their	
Components:	
 (i) Aerospace Vehicles; (ii) Aerospace Vehicle Payloads and Satellites; (iii) Aerospace Vehicle, Aerospace Vehicle Payload, and Satellite: (I) Transport Equipment (e.g., railcars, trucks, trailers, forklifts, and containers), and (II) Support Processing Equipment (e.g., payload fairing fixtures, alignment jigs, fuel and oxidizer loading carts and associated transfer lines). 	900 (7.51)

In addition, several proposed amended Rule 321 exemptions and requirements include a 50 gr/l provision.¹

The District is considering changing the Rule 202 and 321 provisions from 50 gr/l to 25 gr/l at the recommendation of both the Air Resources Board and the Environmental Protection Agency.

Analysis indicates that the estimated emissions reductions under the two scenarios for years 2015 and 2020 would be:

SCENARIO	PROJECTED EMISSION REDUCTIONS, tons per day (tons per year)		
	2015	2020	
50 grams per liter	0.6384 (233)	0.7017 (256)	
25 grams per liter	0.6715 (245)	0.7381 (269)	
DIFFERENCE (Additional Emission Reductions with the 25 grams per liter limit)	0.0331 (12)	0.0364 (13)	

¹ For additional details, see the May 2009 Draft Background Paper, Appendix F, Proposed Amended Rule 321, Sections B.13, B.15, G.3, J.11, L.11, M.2, and M.3.

District Justification for Adopting 25 Grams per Liter Provisions

- a. The Air Resources Board and the Environmental Protection Agency have both recommended that the District adopt the 25 gr/l provisions.
- b. Industry and solvent cleaning machine and solvent vendors have complied with the 25 gr/l limit in other air districts for several years and compliant solvents are readily available.
- c. The new State limits for consumer products in California Code of Regulations, Title 17, Section 94597 et seq. includes a limit for multipurpose solvent & paint thinner that is comparable to 25 gr/l. Thus, adopting the 25 gr/l limit in Rule 321 will avoid having a disproportional high Rule 321 "general solvent use" ROC limit compared to the State consumer product limit.
- d. It is likely that sources complying with the 50 gr/l limit will end up using a 25 gr/l solvent anyway because of availability and cost-savings.
- e. The District's 2007 Clean Air Plan (CAP) indicates that Rule 321 may be revised to have a 25 gr/l limit in the future. Although the adoption of Rule 321 changes have been delayed, the implementation of a 25 gr/l limit should be made now to be consistent with the requirement to adopt of all feasible measures.
- f. With all of the special exemptions staff is building into the revised rules, the regulated community should not have major concerns with the 25 gr/l provisions.

Possible Concerns About Adopting 25 Grams per Liter Provisions

- a. The Rule 321 project has been predicated on fulfilling 2007 CAP commitments and using 50 gr/l provisions. The District should keep the 50 gr/l provisions and perform a "further study" on 25 gr/l.
- b. The other air districts that currently have the 25 gr/l provisions initially had 50 gr/l provisions. The regulated community in Santa Barbara County needs to be given the same opportunity of adjusting to the 50 gr/l provisions first and then ratcheting down to 25 gr/l, but only if the District makes the finding that it is necessary to lower the provisions.
- c. The additional emission reductions from the 25 gr/l limit, around 12 tons per year, are minimal compared to the overall 200 plus tons per year of emission reductions. The extra 5 percent is not worth the effort.

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	LISTED IN THE		
	AD 2300	LISTED	LISTED
	EMISSION	IN 17	IN 17
COMPOUND	INVENTORY		
COMPOUND	CRITERIA &	CCK	CCK
	GUIDELINES	SECTION	SECTION
	DOCUMENT	93000 ^c	93001 ^{c,d}
	DOCUMENI,		
	APPENDIX A-I ^D		
Acetaldehyde	Х		Х
Acetamide	Х		Х
Acetonitrile	X		X
A setenhanene: Methyl nhanyl katene	X V		X V
Accophenoite, Methyl phenyl ketone			
2-Acetylaminofluorene [PAH-Derivative, POM]; N-fluoren-2-yl	Х		Х
acetamide			
Acrolein	Х		Х
Acrylamide	Х		Х
Acrylic acid	Х		Х
Acrylonitrile: Vinyl cyanide	X		X
Allyl abloride: 2 Chloropropaga	V V		V
Anyi chionde, 5-Chioropropene			Λ
Aluminum	X		
Aluminum oxide (fibrous forms)	X		
2-Aminoanthraquinone [PAH-Derivative, POM]	Х		
4-Aminobiphenyl [POM]	Х		Х
Amitrole	X		
Ammonia	X		
Ammonium nitrate	<u>Λ</u>		
Ammonium sulfate	X		
Aniline	Х		Х
o-Anisidine	Х		Х
Anthracene [PAH, POM]	Х		
Antimony	X		
Antimony compounds			x
Antimony compounds including but not limited to:	v		Λ
Antimony compounds including but not minited to:	Λ		
Antimony trioxide			
Arsenic	X		
Arsenic compounds			Х
Arsenic compounds (inorganic) including but not limited to:	Х		
Arsine			
Arsenic compounds (other than inorganic)	Х		
Arsenic Inorganic see Inorganic Arsenic		x	
Arsing	v	11	
Alshe	Λ		37
Asbestos			X
Asbestos [asbestiform varieties of serpentine (chrysotile),		Х	
riebeckite (crocidolite), cummingtonite-grunerite (amosite),			
tremolite, actinolite, and anthophyllite]			
Asbestos, see Mineral fibers (other than man-made)	Х		
Barium	X		
Darium abromata	V X		
Barium compounds	<u>X</u>		
Benz[a]anthracene [PAH, POM]	X		
Benzene	Х	Х	Х
Benzidine (and its salts) [POM]	Х		
Benzidine: 4-4'-diaminobiphenyl			Х
Benzidine-based dyes [POM] including but not limited to: Direct	X		
Black 38 [PAH_Derivative POM] Direct Rhue 6 [PAH_Derivative			
DOM Direct Drown 05 (technical areda) [DOM]			
P I DIRECT DIOWIL 93 (RECIMICAL BRACE) [POM]	37		
Benzolajpyrene [PAH, POM]	X		
Benzo[b]fluoranthene [PAH, POM], see PAH	Х		
Benzofuran	X		
Benzoic trichloride; Benzotrichloride	X		
Benzo[i]fluoranthene [PAH. POM]	X		
Benzo[k]fluoranthene [PAH POM]	x		
Renzotrichlorida			v
Denzoulenionae	1	1	Λ

Benzoyl chloride	Х		
Benzoyl peroxide; dibenzoyl peroxide	Х		
Benzyl chloride, alpha-chlorotoluene	Х		Х
Beryllium, and beryllium compounds	Х		
Beryllium compounds			Х
Biphenyl [POM]; diphenyl; phenylbenzene	Х		Х
Bis(2-chloroethyl) ether; DCEE, see Dichloroethyl ether	Х		
Bis(chloromethyl) ether, see bis-Chloromethyl ether	Х		Х
Bis(2-ethylhexyl)adipate	Х		
Bis(2-ethylhexyl)phthalate (DEHP)			Х
Bromine	Х		
Bromine compounds (inorganic) including but not limited to:	Х		
Bromine pentafluoride			
Hydrogen bromide			
Potassium bromate			
Bromine pentafluoride	Х		
Bromoform; tribromomethane	Х		Х
1,3-Butadiene	Х	Х	Х
2-Butanone, see Methyl ethyl ketone (MEK)	Х		Х
tert-Butyl acetate; t-Butyl acetate; tBAc	Х		
Butyl acrylate	Х		
n-Butyl alcohol; 1-butanol	Х		
sec-Butyl alcohol	Х		
tert-Butyl alcohol	Х		
Butyl benzyl phthalate	Х		
Cadmium compounds	Х		Х
Cadmium (metallic cadmium and cadmium compounds)		Х	
Calcium cyanamide	Х		Х
Caprolactam	Х		Х
Captafol	Х		
Captan	Х		Х
Carbaryl [PAH-Derivative, POM]: 1-naphthyl N-methylcarbamate	Х		Х
Carbon black extracts	Х		
Carbon disulfide	Х		Х
Carbon tetrachloride: Tetrachloromethane	Х	X	Х
Carbonyl sulfide	Х		Х
Carrageenan (degraded)	Х		
Catechol: pyrocatecho	Х		Х
Chloramben	Х		Х
Chlordane: 1.2,44,5,6,7,8-octochloro-3a,4,7,7a-tetrahydro-4,7-	Х		Х
methanoindane			
Chlorinated dibenzodioxins; dioxins; see Polychlorinated	Х		
dibenzo-p-dioxins) [POM]			
Chlorinated paraffins (average chain length, C12; approximately	Х		
60% chlorine by weight)			
Chlorine	Х		Х
Chlorine dioxide	Х		
Chloroacetic acid	Х		Х
2-Chloroacetophenone			Y
	Х		Δ
p-Chloroaniline	X		Λ
p-Chloroaniline Chlorobenzene; monochlorobenzene	X X		X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to:	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including:	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene p-Dichlorobenzene; 1,4-Dichlorobenzene;	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene; p-Dichlorobenzene; 1,4-Dichlorobenzene (p)	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene; 1,4-Dichlorobenzene; 1,4-Dichlorobenzene 1,2,4-Trichlorobenzene	X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene; p-Dichlorobenzene; 1,4-Dichlorobenzene; 1,4-Dichlorobenzene (p) 1,2,4-Trichlorobenzene Chlorobenzilate [POM]; Ethyl-4,4'-dichlorobenzilate	X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene; 1,4-Dichlorobenzene; 1,4-Dichlorobenzene (p) 1,2,4-Trichlorobenzene Chlorobenzilate [POM]; Ethyl-4,4'-dichlorobenzilate Chlorodifluoromethane; Fluorocarbon 22	X X X X		X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene; 1,4-Dichlorobenzene; 1,4-Dichlorobenzene Chlorobenzitate [POM]; Ethyl-4,4'-dichlorobenzitate Chloroform; trichloromethane	X X X X	X	
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene; p-Dichlorobenzene; 1,4-Dichlorobenzene; 1,4-Dichlorobenzene Chlorobenzitate [POM]; Ethyl-4,4'-dichlorobenzitate Chloroform; trichloromethane bis-Chloromethyl ether	X X X X X X X X X X	X	X X X X X X
p-Chloroaniline Chlorobenzene; monochlorobenzene Chlorobenzenes including but not limited to: Chlorobenzene Dichlorobenzenes (mixed isomers) including: 1,2-Dichlorobenzene 1,3-Dichlorobenzene; 1,4-Dichlorobenzene; 1,4-Dichlorobenzene Chlorobenzitere (p) 1,2,4-Trichlorobenzene Chlorobenzitate [POM]; Ethyl-4,4'-dichlorobenzitate Chloroform; trichloromethane bis-Chloromethyl ether Chloromethyl methyl ether	X X X X X X X X X X	X	X X X X X X X X

Chlorophenols including but not limited to:	Х		
2-Chlorophenol			
2,4-Dichlorophenol			
Pentachlorophenol			
Tetrachlorophenols including but not limited to:			
2,3,4,6-Tetrachlorophenol			
2,4,5-Trichlorophenol			
2,4,6-Trichlorophenol			
4-Chloro-o-phenylenediamine	Х		
Chloropicrin; trichloronitromethane	Х		
Chloroprene; 2-chloro-1,3-butadiene	Х		Х
p-Chloro-o-toluidine	Х		
Chromium	Х		
Chromium compounds			Х
Chromium compounds (other than hexavalent)	Х		
Chromium, Hexavalent, see Hexavalent chromium (CR VI))		Х	
Chromium, hexavalent (and compounds) including but not limited	Х		
to:			
Barium			
Calcium chromate			
Chromium trioxide			
Lead chromate			
Sodium dichromate			
Strontium chromate			
Chrysene [PAH, POM]	Х		
Cobalt compounds			Х
Cobalt	Х		
Cobalt compounds	X		
Coke oven emissions	X		X
Copper and copper compounds	X		
Creosotes	X		
n-Cresidine	X		
m-Cresol	X		v
	X V		X V
p Cresel			
p-Cresol			Λ
m Cresol	Λ		
o Cresol			
p Cresol			
p-Cresol Cresols/Cressilie agid (isomers and mixture)			v
Crescons/Cresylic acid (Isoliters and Inixture)	v		Λ
			v
Cumene, isopropyidenzene			Λ
Currene nyaroperoxide	A V		
	Λ		V
Cyanide compounds	¥7		X
Cyanide compounds including but not limited to:	Х		
Hydrocyanic acid			
Cyclohexane	X		
Cyclohexanol	X		
Cycloheximide	X		
2,4-D, salts and esters			Х
DDE, see Dichlorodiphenyldichloroethylene			Х
Decabromodiphenyl oxide [POM], see Polybrominated diphenyl	Х		
ethers			
Dialkylnitrosamines including but not limited to:	Х		
N-Nitrosodi-n-butylamine			
N-Nitrosodiethanolamine			
N-Nitrosodiethylamine			
N-Nitrosodimethylamine			
N-Nitrosodi-n-propylamine			
N-Nitrosomethylethylamine			
2,4-Diaminoanisole	X		
2,4-Diaminotoluene; 2,4-Toluenediamine; 2,4-Toluene diamine	X		X
Diaminotoluenes (mixed isomers) including but not limited to:	X		X
2,4-Diaminotoluene; 2,4-Toluenediamine			
Diazomethane	X		Х
Dibenz[a,h]acridine [POM]	Х		

Dibenz[a,j]acridine [POM]	Х		
Dibenz[a,h]anthracene [PAH, POM], see PAH	Х		
7H-Dibenzo[c,g]carbazole [PAH, POM], see PAH	Х		
Dibenzo[a,e]pyrene [PAH, POM], see PAH	Х		
Dibenzo[a,h]pyrene [PAH, POM], see PAH	Х		
Dibenzo[a,i]pyrene [PAH, POM], see PAH	Х		
Dibenzo[a,l]pyrene [PAH, POM], see PAH	Х		
Dibenzo-p-dioxins and Dibenzofurans chlorinated in the 2,3,7 and		X	
8 positions and containing 4,5,6 or 7 chlorine atoms			
Dibenzofurans (chlorinated), see Polychlorinated dibenzofurans	Х		
[POM]			
Dibenzofuran [POM]	Х		
Dibenzofurans			Х
1,2-Dibromo-3-chloropropane; DBCP	Х		Х
2,3-Dibromo-1-propanol	Х		
Dibutyl phthalate; Dibutylphthalate	Х		Х
p-Dichlorobenzene; 1,4-dichlorobenzene; 1,4-Dichlorobenzene (P)			Х
p-Dichlorobenzene; 1,4-Dichlorobenzene; see Chlorobenzenes	Х		
1,4-Dichlorobenzene; p-Dichlorobenzene			Х
3,3'-Dichlorobenzidine; 4,4'-diamino-3,3'-dichlorobiphenyl	Х		Х
Dichlorodiphenyldichloroethylene [POM], DDE	Х		Х
1,1-Dichloroethane; Ethylidene dichloride	Х		
Dichloroethyl ether; bis(2-chloroethyl) ether; DCEE	Х		Х
Dichlorophenoxyacetic acid, salts and esters	Х		
1,2-Dichloropropane, see Propylene dichloride	Х		
1,3-Dichloropropene	Х		Х
Dichlorvos; DDVP; 2,2-dichlorovinyl dimethyl phospate	Х		Х
Dicofol [POM]	Х		
Diesel engine exhaust	Х		
Diesel engine exhaust, particulate matter (see particulate emissions	Х	Х	
from diesel-fueled engines too)			
Diesel engine exhaust, total organic gas	Х		
Diesel fuel (marine)	Х		
Diethanolamine	Х		Х
Di(2-ethylhexyl) phthalate; DEHP, see Di-sec-octyl phthalate	Х		
Diethylhexylphthalate; DEHP, see Di-sec-octyl phthalate	Х		
Diethyl sulfate	Х		Х
3,3'-Dimethoxybenzidine [POM]	Х		Х
4-Dimethylaminoazobenzene [POM]; Dimethyl aminoazobenzene	Х		Х
N,N-Dimethylaniline; dimethylaniline	Х		Х
7,12-Dimethylbenz[a]anthracene [PAH-Derivative, [POM]	Х		
3,3'-Dimethylbenzidine [POM]; o-Tolidine; 3,3'-Dimethyl	Х		Х
benzidine			
Dimethyl carbamoyl chloride	Х		Х
Dimethyl formamide	Х		
Dimethylformamide; DMF			Х
1,1-Dimethylhydrazine	Х		Х
Dimethyl phthalate	Х		Х
Dimethyl sulfate; methyl sulfate	Х		Х
3,3'-Dimethyoxybenzidine			Х
4,6-Dinitro-o-cresol (and salts)	Х		Х
2,4-Dinitrophenol	Х		Х
1,6-Dinitropyrene [PAH-Derivative, POM]	Х		
1,8-Dinitropyrene [PAH-Derivative, POM]	Х		
2,4-Dinitrotoluene	Х		Х
Dinitrotoluenes (mixed isomers) including but not limited to:	Х		
2,4-Dinitrotoluene			
2,6-Dinitrotoluene			
1,4 Dioxane; 1,4-Diethyleneoxide	Х		X
Dioxins (Chlorinated dibenzodioxins) (see Polychlorinated	Х		
dibenzo-p-dioxins) [POM]			
Diphenylhydantoin [POM]	X		
1,2-Diphenylhydrazine [POM]; Hydrazobenzene	Х		X
Dipropylene glycol	Х		
Dipropylene glycol methyl ether	Х		

Di-sec-octyl phthalate: bis(2-ethylbexyl) phthalate:	X		
diethylhexylphthalate			
Environmental Tabassa Smalta	v	v	
Environmental Tobacco Smoke		Λ	V
Epicnioronydrin, 1-chioro-2,3 epoxypropane	X		X
Epoxy resins	X		
1,2-Epoxybutane	Х		Х
Ethyl acrylate	Х		Х
Ethylbenzene	Х		Х
Ethyl carbamate: Urethane			X
Ethyl chloride: chloroethane	x		x
Ethyl 4.4' diablorobonzilato (soo Chlorobonzilato)			74
Ethyl-4,4 -dichlorobenzhate (see Chlorobenzhate)			
Ethylene	<u>X</u>		
Ethylene dibromide; 1,2 dibromoehane	X	X	Х
Ethylene dichloride; 1,2,-dichlroethane	Х	Х	Х
Ethylene glycol	Х		Х
Ethylene glycol diethyl ether, 1.2 dicthoxyethane	Х		
Ethylene glycol dimethyl ether: 1.2-dimethoxyethane G'-yme	x		
Ethylene glycol monobutyl ether			
Etnylene glycol monoetnyl etner, see 2-Etnoxyetnanol	X		
Ethylene glycol monomethyl ether, see 2-Methoxyethanol	X		
Ethylene glycol monoethyl ether acetate	Х		
Ethylene glycol monomethyl ether acetate	Х		
Ethylene glycol monopropyl ether	Х		
Ethyleneimine: Aziridine	X		X
Ethylene ovide		v	X V
		Λ	
Etnylene thiourea	X		X
Ethylidene dichloride; 1,1-Dichloroethane)			Х
Fine mineral fibers			Х
Fluorides and compounds including but not limited to:	Х		
Hydrogen fluoride			
Fluorocarbons (brominated)	Х		
Fluorocarbons (chlorinated) including but not limited to:	x		
Chloringted fluorocarbon: CEC-113:			
1 1 2 Trichloro 1 2 2 trifluoroethane			
Chlere difference there Elegeneration 22			
Chiorodifiuoromethane; Fluorocarbon 22			
Dichlorofluoromethane; Fluorocarbon 12			
Dichlorofluoromethane; Fluorocarbon 21			
Trichlorofluoromethane; Fluorocarbon 11			
Formaldehyde	Х	Х	Х
Furan	Х		
Gasoline engine exhaust including but not limited to:	Х		
Gasoline engine exhaust (condensates &			
evtracts)			
Casoline angine exhaust particulate matter			
Caroline engine exhaust, particulate matter			
Gasonne engine exhaust, total organic gas			
Gasoline Vapors	Х		
Glutaraldehyde	Х		
Glycol ethers			X
Glycol ethers and their acetates including but not limited to:	X		
Diethylene glycol			
Diethylene glycol dimethyl ether			
Diethylene glycol monobutyl ether			
Diethylene glycol monoethyl ether			
Diethylene glycol monomethyl ether			
Dipropulana glucol			
Dipropylene grycol			
Exproprience grycor monomethyl ether			
Etnylene glycol diethyl ether			
Ethylene glycol dimethyl ether			
Ethylene glycol monobutyl ether			
Ethylene glycol monoethyl ether			
Ethylene glycol monoethyl ether acetate; PGMEA			
Ethylene glycol monomethyl ether			
Ethylene glycol monomethyl ether acetate			
Ethylene glycol monopropyl ether			
Pronylene glycol monomethyl ether			
Dronylone glycol monomethyl other sectors			
Triothylana alyaal dimathyl athar			
i neuryiene giycoi dimetriyi euler			

Heptachlor; 1,4,5,6,7,8,8-hepta-chloro-3a,4,7,7a tetrahydro 4,7	Х		Х
methanoindene			
1,2,3,4,6,7,8-Heptachlorodibenzofuran see Polychlorinated	Х		
dibenzofurans			
1,2,3,4,7,8,9-Heptachlorodibenzofuran see Polychlorinated	Х		
dibenzofurans			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin see Polychlorinated	Х		
dibenzo-p-dioxins	N/	_	37
Hexachlorobenzene	X		X
Hexachiorobutadiene	X		X
net limited to:	Λ		
alpha Hayachlorocyclohayana			
heta Hexachlorocyclohexane			
Lindane: gamma-Hexachlorocyclohexane			
Hexachlorocyclopentadiene	x		x
1 2 3 4 7 8-Hexachlorodibenzofuran see Polychlorinated	X		
dibenzofurans			
1.2.3.6.7.8-Hexachlorodibenzofuran see Polychlorinated	X		
dibenzofurans			
1.2.3.7.8.9-Hexachlorodibenzofuran see Polychlorinated	Х		
dibenzofurans			
2.3.4.6.7.8-Hexachlorodibenzofuran see Polychlorinated	Х		
dibenzofurans			
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin see Polychlorinated	Х		
dibenzo-p-dioxins			
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin see Polychlorinated	Х		
dibenzo-p-dioxins			
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin see Polychlorinated	Х		
dibenzo-p-dioxins			
Hexachloroethane; perchloroethane	Х		Х
Hexamethylene diisocyanate; HDI; Hexamethylene-1,6-			Х
diisocyanate			
ansoejanate			
Hexamethylphosphoramide	Х		Х
Hexamethylphosphoramide Hexane	X X		X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI))	X X X X	X	X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine	X X X X X	X	X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide	X X X X X X	X	X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride	X X X X X X X	X	X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds)	X X X X X X X X	X	X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride	X X X X X X X X X	X	X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide	X X X X X X X X X X X	X	X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid	X X X X X X X X X X X X	X	X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide	X X X X X X X X X X X X X	X	X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen fluoride; Hydrofluoric acid	X X X X X X X X X X X X X	X	X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide	X X X X X X X X X X X X X X	X	X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol	X X X X X X X X X X X X X X X X	X	X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrofluoric acid, see Hydrogen chloride Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM]	X X X X X X X X X X X X X X X X X	X	X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrofluoric acid, see Hydrogen chloride Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic Arsenic	X X X X X X X X X X X X X X X X X	X	X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen bromide Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic)	X X X X X X X X X X X X X X X X X X X	X	X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen bromide Hydrocyanic acid (see Cyanide compounds) Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead	X X X X X X X X X X X X X X X X X	X X 	X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrofluoric acid, see Hydrogen chloride Hydrofluoric acid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl	X X X X X X X X X X X X X X X X X X X	X X 	X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrogen chloride compounds) Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen sulfide Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to:	X X X X X X X X X X X X X X X X X X X	X X	X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroguinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate [POM]; MDI	X X X X X X X X X X X X X X X X X X X	X X X X X X X	X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate (see Toluene	X X X X X X X X X X X X X X X X X X X	X X	X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate (see Toluene diisocyanates) Toluene-2,6-diisocyanate (see Toluene	X X X X X X X X X X X X X X X X X X X	X X	X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate (see Toluene diisocyanates) Toluene-2,6-diisocyanate (see Toluene	X X X X X X X X X X X X X X X X X X X	X X	X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrogen chloride is ee Hydrogen Fluoride Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate (see Toluene diisocyanates) Toluene-2,6-diisocyanate (see Toluene diisocyanates) Isophorone	X X X X X X X X X X X X X X X X X X X	X X X X X X X X	
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate (see Toluene diisocyanates) Toluene-2,4-diisocyanate (see Toluene diisocyanates) Toluene-2,6-diisocyanate (see Toluene diisocyanates) Isophorone Isophorone Isophorone	X X X X X X X X X X X X X X X X X X X	X X X X X X X X	X X X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrochloric acid, see Hydrogen chloride Hydrogen chloride Hydrogen bromide Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen sulfide Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic Arsenic Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate [POM]; MDI Methyl isocyanate Toluene-2,4-diisocyanate (see Toluene diisocyanates) Toluene-2,6-diisocyanate (see Toluene diisocyanates) Isophorone Isophorone Isophorone Isophorone Isophorone	X X X X X X X X X X X X X X X X X X X	X X X X X X X	X X X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrochloric acid, see Hydrogen chloride Hydrogen chloride Hydrogen cacid, see Hydrogen Fluoride Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroquinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic Arsenic Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate [POM]; MDI Methyl isocyanate Toluene-2,4-diisocyanate (see Toluene diisocyanates) Isophorone Isophorone Isophorone Isophorone Isopropanol, see Isopropyl alcohol	X X X X X X X X X X X X X X X X X X X	X X X X X X X	X X X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrazine Hydrobromic acid, see Hydrogen bromide Hydrochloric acid, see Hydrogen chloride Hydrocyanic acid (see Cyanide compounds) Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen grunide Hydrogen sulfide Hydrogen sulfide Hydroguinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate [POM]; MDI Methyl isocyanate Toluene-2,4-diisocyanate (see Toluene diisocyanates) Toluene-2,6-diisocyanate (see Toluene diisocyanates) Isophorone Isophorone Isophorone Isophorone Isophorone Isopropanol, see Isopropyl alcohol Isopropanol	X X X X X X X X X X X X X X X X X X X	X X X X X X X	X X X X X X X X X X X
Hexamethylphosphoramide Hexane Hexavalent chromium (CR (VI)) Hydrobromic acid, see Hydrogen bromide Hydrobromic acid, see Hydrogen chloride Hydrochloric acid, see Hydrogen chloride Hydrogen cacid (see Cyanide compounds) Hydrogen bromide Hydrogen chloride; Muriatic acid; Hydrochloric acid Hydrogen cyanide Hydrogen fluoride; Hydrofluoric acid Hydrogen fluoride; Hydrofluoric acid Hydrogen sulfide Hydroguinone; 1,4-benezendiol Indeno[1,2,3-cd]pyrene [PAH, POM] Inorganic Arsenic Inorganic lead, see Lead compounds (inorganic) Inorganic lead Iron pentacarbonyl Isocyanates including but not limited to: Hexamethylene-1,6- diisocyanate Methylene diphenyl diisocyanate (see Toluene diisocyanates) Toluene-2,6-diisocyanate (see Toluene diisocyanates) Isophorone Isophorone; 3,5,5-trimethyl-2-cyclohexen-1-one Isopropanol, see Isopropyl alcohol Isopropyl alcohol; isopropanol 4,4'-Isopropylidenediphenol	X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X

Lead compounds (inorganic) including but not limited to:	Х		
Lead acetate			
Lead chromate (see Chromium, hexavalent)			
Lead phosphate			
Lead subacetate			
Lead compounds (other than inorganic)	Х		
Lead compounds			X
Lindane (mixed or technical grade): gamma-	x		
Hexachlorocyclobexane see Hexachlorocyclobexanes			
Lindane (all isomers)			v
Malaic anhydrida: cis butanadioic anhydrida	v		X V
Mangangan			Λ
Manganese			V
Manganese compounds	X		Å
Mercury	X		
Mercury compounds			X
Mercury compounds including but not limited to:	Х		
Mercuric chloride			
Methyl mercury; Dimethylmercury			
Methanol, see Methyl alcohol	Х		X
Methoxychlor [POM]	Х		
Methoxychlor; 1,1,1-trichloro-2-2-bis(p-methoxyphenyl)ethane			X
Methyl alcohol; methanol	Х		Х
2-Methylaziridine: 2-Methyl aziridine: 1.2-Propyleneimine	Х		
Methyl bromide: Bromomethane	X		x
Methyl chloride: Chloromethane	X		X
Methyl chloroform: 1,1,1 trichloroethane	X		X X
2 Methyleholenthrene [DAH Derivetive DOM]			Λ
5 Methodahunene [PAH-Derivative, POM]			-
Adum de la li (2 ll li) [POMI MOCA			V
4,4 - Methylene bis(2-chloroaniline) [POM]; MOCA	Λ V		A V
Methylene chloride; dichloromethane	X	X	X
4,4'-Methylenedianiline (and its dichloride) [POM]	X		
4,4'-Methylenedianiline; MDA; 4,4'-Methylene dianiline			X
Methylene diphenyl diisocyanate: MDI	Х		Х
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone	Х		X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine	X X		X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane	X X X X		X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK	X X X X X		X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate	X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin	X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate	X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine	X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether: MTBE: Methyl t-butyl ether	X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM]	X X X X X X X X X X X X X X		X X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine_manmade)	X X X X X X X X X X X X X X X		X X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (fine, manmade)	X X X X X X X X X X X X X X X X X		X X X X X X X
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Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) Mineral fibers (fine, to dimethyl test of a respirable size greater than 5 microns in length, less than or equal to 3.5 microns in diameter, with a length to dimeter ratio of 3:10 including but not	X X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (fine, manmad	X X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) (fine mineral fibers which are manmade and are airborne particles of a respirable size greater than 5 microns in length, less than or equal to 3.5 microns in diameter, with a length to diameter ratio of 3:1) including but not limited to: Comming fibers	X X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) (fine mineral fibers which are manmade and are airborne particles of a respirable size greater than 5 microns in length, less than or equal to 3.5 microns in diameter, with a length to diameter ratio of 3:1) including but not limited to: Ceramic fibers Glasswool fibers	X X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Mineral fibers (fine, manmade) Manmade and are airborne particles of a respirable size greater than 5 microns in length, less than or equal to 3.5 micron	X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) (fine mineral fibers which are manmade and are airborne particles of a respirable size greater than 5 microns in length, less than or equal to 3.5 microns in diameter, with a length to diameter ratio of 3:1) including but not limited to: Ceramic fibers Glasswool fibers Rockwool fibers Slaewool fibers	X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michel's ketone [POM] Mineral fibers (fine, manmade)	X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Mineral fibers (fine, manmade) Mineral fibers (fibers Glasswool fibers Rockwool fibers Slagwool fibers. Mineral fibers (other than manmade) including but not limited to: Achaetee	X X X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl iydrazine Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Mineral fibers (fine, manmade) Mineral fibers (fibers Glasswool fibers Rockwool fibers. Mineral fibers (other than manmade) including but not limited to: Asbestos Evicencie	X X X X X X X X X X X X X X X X		X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl iydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (file Glasswool fibers Rockwool fibers Slagwool fibers. Mineral fibers (other than manmade) including but not limited to: Asbestos Erionite Table acentrizing explactioner fibers	X X X X X X X X X X X X X X X		X X X X X X
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Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl iydrazine Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michel's ketone [POM] Mineral fibers (fine, manmade) Imited to: Ceramic fibers Glasswool fibers Rockwool fibers Slagwool fibers. Mineral fibers (other than manmade) including but not limited to: Asbestos Erionite Talc containing asbestiform fibers Molybdenum trioxide	X X X X X X X X X X X X X X X X X X X		
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Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl iydrazine Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Imited to: Ceramic fibers Glasswool fibers Rockwool fibers Slagwool fibers. Mineral fibers (other than manmade) including but not limited to: Asbestos Erionite Talc containing asbestiform fibers Molybdenum trioxide Naphthalene [PAH, POM] Nickel	X X X X X X X X X X X X X X X X X X X		
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl hydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) (fine mineral fibers which are manmade and are airborne particles of a respirable size greater than 5 microns in length, less than or equal to 3.5 microns in diameter, with a length to diameter ratio of 3:1) including but not limited to: Ceramic fibers Glasswool fibers Rockwool fibers Slagwool fibers. Mineral fibers (other than manmade) including but not limited to: Asbestos Erionite Talc containing asbestiform fibers Molybdenum trioxide Naphthalene [PAH, POM] Nickel Nickel (metallic nickel and inorganic nickel compounds)	X X X X X X X X X X X X X X X X X X X		X X X X X X X
Methyl ethyl ketone; MEK; 2-butanone; ethyl methyl ketone Methyl iydrazine Methyl iodide; Iodomethane Methyl isobutyl ketone; Hexone; MIBK Methyl isobutyl ketone; Hexone; MIBK Methyl isocyanate 2-Methyllactonitrile; Acetone cyanohydrin Methyl methacrylate; methyl 2 methyl 2 propenoate 2-Methylpyridine Methyl tert-butyl ether; MTBE; Methyl t-butyl ether Michler's ketone [POM] Mineral fibers (fine, manmade) Mineral fibers (fine, manmade) (fine mineral fibers which are mamade and are airborne particles of a respirable size greater than 5 microns in length, less than or equal to 3.5 microns in diameter, with a length to diameter ratio of 3:1) including but not limited to: Ceramic fibers Glasswool fibers. Mineral fibers (other than manmade) including but not limited to: Asbestos Erionite Talc containing asbestiform fibers Molybdenum trioxide Naphthalene [PAH, POM] Nickel Nickel (metallic nickel and inorganic nickel compounds) Nickel carbonyl; NI (CO)4	X X X X X X X X X X X X X X X X X X X		

Nickel compounds including but not limited to:	Х	
Nickel acetate		
Nickel carbonate		
Nickel carbonyl		
Nickel hydroxide		
Nickelocene		
Nickel oxide		
Nickel subsulfide		
Nickel oxide	Х	
Nickel refinery dust from the pyrometallurgical process	Х	
Nitric acid	Х	
Nitrilotriacetic acid	Х	
Nitrobenzene	Х	Х
4-Nitrobiphenyl [POM]	Х	 Х
6-Nitrochrysene [PAH-Derivative, POM]	Х	
2-Nitrofluorene [PAH-Derivative, POM]	Х	
Nitrogen mustard N-oxide	Х	
4-Nitrophenol	Х	Х
2-Nitropropane	Х	Х
1-Nitropyrene [PAH-Derivative, POM]	Х	
N-Nitrosodi-n-butylamine, see Dialkylnitrosamines	Х	
N-Nitrosodi-n-propylamine, see Dialkylnitrosamines	Х	
N-Nitrosodiethylamine	Х	
N-Nitroso-n-methylurea		Х
N-Nitrosodimethylamine		Х
N-Nitrosodimethylamine, see Dialkylnitrosamines	Х	
p-Nitrosodiphenylamine [POM]	Х	
N-Nitroso-N-methylurea	X	
N-Nitrosomorpholine	X	X
N-Nitrosonineridine	X	
N-Nitrosopyrrolidine	X	
1.2.3.4.6.7.8.9. Octachlorodibenzofuran [POM] see Polychlorinated	X	
dibenzofurans	Α	
1 2 3 4 6 7 8 9-Octachlorodibenzo-n-dioxin [POM] see	X	
Polychlorinated dibenzo-n-dioxins	71	
Oleum see Sulfuric acid and oleum	X	
PAHs (Polycyclic aromatic hydrocarbons) [POM] including but	X	
not limited to:	Α	
PAHs total w/o individ components reported		
[PAH, POM]		
PAHs, total, with individ, components also		
reported [PAH, POM]		
Acenaphthene [PAH, POM]		
Acenaphthylene [PAH, POM]		
Anthracene [PAH. POM]		
Benz[a]anthracene [PAH, POM]		
Benzo[a]pyrene [PAH, POM]		
Benzo[b]fluoranthene [PAH, POM]		
Benzo[e]pyrene [PAH, POM]		
Benzo[g,h,i]perylene [PAH, POM]		
Benzo[j]fluoranthene [PAH, POM]		
Benzo[k]fluoranthene [PAH, POM]		
Chrysene [PAH, POM]		
Dibenz[a,h]anthracene [PAH, POM]		
Dibenzo[a,e]pyrene [PAH, POM]		
Dibenzo[a,h]pyrene [PAH, POM]		
Dibenzo[a,i]pyrene [PAH, POM]		
Dibenzo[a,l]pyrene [PAH, POM]		
Fluoranthene [PAH, POM]		
Fluorene [PAH, POM]		
Indeno[1,2,3-cd]pyrene [PAH, POM]		
2-Methyl naphthalene [PAH, POM]		
Naphthalene [PAH, POM]		
Perylene [PAH, POM]		
Phenanthrene [PAH, POM]		
Pyrene [PAH, POM]		

# PAH-Derivatives (Polycyclic aromatic hydrocarbon derivatives)	Х		
[POM] including but not limited to those substances listed in			
appendix A with the bracketed designation [PAH-Derivative,			
POM])			
Parathion; o.o-diethyl o-(p-nitrophenyl) phosphorothioate	Х		Х
Particulate Emissions from Diesel-Fueled Engines	Х	Х	
1 2 3 7 8-Pentachlorodibenzofuran see Polychlorinated	X		
dibenzofurans	11		
2.3.4.7.8-Pentachlorodibenzofuran see Polychlorinated	X		
dibenzofurans	11		
1 2 3 7 8-Pentachlorodibenzo-n-dioxin see Polychlorinated	X		
dibenzo-p-dioxins	21		
Pentachloronitrobenzene: Quintobenzene	X		x
Pentachlorophenol: PCP	71		X
Paracetic acid	v		Λ
Perchloreathylana, Tatrahlana, thulana, Tatrahlanathana		v	v
Perchioroetnylene; Tetrachioroetnylene; Tetrachioroetnene	Λ V	Λ	A V
Phenol	X		X
p-Phenylenediamine			X
p-Phenylenediamine	Х		
2-Phenylphenol [POM]	Х		
Phosgene; carbonyl chloride, COCl2	Х		Х
Phosphine; PH3			Х
Phosphorus	Х		Х
Phosphorus compounds:	Х		
Phosphine			
Phosphoric acid			
Phosphorus oxychloride			
Phosphorus pentachloride			
Phosphorus pentoxide			
Phosphorus trichloride			
Tributyl phosphate			
Triethyl phosphine			
Trimethyl phosphate			
Triorthocresyl phosphate [POM]			
Triphenyl phosphate [POM]			
Triphenyl phosphite [POM]			
Phthalic anhydride	X		x
Polychlorinated hiphenyls (Aroclors)	11		X
Polychlorinated biphenyls (PCBs) [POM] including but not limited	x		21
to:	21		
3 3' 1 1'-Tetrachlorohinhenvl (PCB 77)			
3.4.4' 5.Tetrachlorobinhenyl (PCB 81)			
2 3 3' 1 1' Pentachlorobinhenyl (PCB 105)			
2,3,4,4 -1 entachiorobiphenyl (ICB 103)			
2,3,4,4,5-r entachlorobiphenyl (PCB 114) 2,3',4,4',5 Pantachlorobiphenyl (PCB 118)			
2,5,4,4,5-remachiotoppienyl (FCB 116)			
2,5,4,4,5 -Pentachiorobiphenyi (PCD 125)			
2.2.2! 4.4! 5. Howashlorshiphonyl (PCD 120)			
2,5,5,4,4,5-nexaciliorobiplieny1 (PCD 150)			
2,5,5,4,4,5-Hexachiotoliphenyl (PCB 157)			
2,5,4,4,5,5 - Hexaciliorodiplicity1 (PCB 107)			
3,5,4,4,5,5 - HexachioroDipnenyi (PCB 109)			
2,5,5,4,4,5,5-Heptachlorobipnenyl (PCB 189)	37		
Polychlorinated dibenzo-p-dioxins; PCDDs or Dioxins [POM]	X		
including but not limited to:			
Dioxins, total, w/o individ. isomers reported; PCDDs [POM]			
Dioxins, total, with individ. isomers also reported; PCDDs			
2,3,7,8-1etrachiorodibenzo-p-dioxin; TCDD [POM]			
1,2,3,7,8-Pentachlorodibenzo-p-dioxin [POM]			
1,2,3,4,/,8-Hexachlorodibenzo-p-dioxin [POM]			
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin [POM]			
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin [POM]			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [POM]			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [POM] 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin [POM]			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [POM] 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin [POM] Total Tetrachlorodibenzo-p-dioxin [POM]			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [POM] 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin [POM] Total Tetrachlorodibenzo-p-dioxin [POM] Total Pentachlorodibenzo-p-dioxin [POM]			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [POM] 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin [POM] Total Tetrachlorodibenzo-p-dioxin [POM] Total Pentachlorodibenzo-p-dioxin [POM] Total Hexachlorodibenzo-p-dioxin [POM]			

Polychlorinated dibenzofurans; PCDFs or Dibenzofurans [POM]	Х		
including but not limited to:			
Dibenzofurans (Polychlorinated dibenzofurans); PCDFs [POM]			
2,3,7,8-Tetrachlorodibenzofuran [POM]			
1,2,3,7,8-Pentachlorodibenzofuran [POM]			
2,3,4,7,8-Pentachlorodibenzofuran [POM]			
1,2,3,4,7,8-Hexachlorodibenzofuran [POM]			
1,2,3,6,7,8-Hexachlorodibenzofuran [POM]			
1,2,3,7,8,9-Hexachlorodibenzofuran [POM]			
2,3,4,6,7,8-Hexachlorodibenzofuran [POM]			
1,2,3,4,6,7,8-Heptachlorodibenzofuran [POM]			
1,2,3,4,7,8,9-Heptachlorodibenzofuran [POM]			
1,2,3,4,6,7,8,9-Octachlorodibenzofuran [POM]			
Total Tetrachlorodibenzofuran [POM]			
Total Pentachlorodibenzofuran [POM]			
Total Hexachlorodibenzofuran [POM]			
Total Heptachlorodibenzofuran [POM]			
Polycyclic Organic Matter			X
POM; Polycyclic organic matter, including but not limited to those	Х		
substances listed in Appendix A with the bracketed designation of			
[POM], [PAH, POM], or [PAH-Derivative, POM])			
Potassium bromate	Х		
1,3-Propane sultone	Х		X
beta-Propiolactone	Х		X
Propionaldehyde	Х		X
Propoxur; 2-isopropoxyphenyl N-methyl carbamate; Baygon	X		X
Propylene	Х		
Propylene dichloride; 1,2-dichloropropane	Х		Х
Propylene oxide; 1,2-epoxy-propane	Х		Х
1,2-Propyleneimine; 2-Methyl aziridine; 2-Methylaziridine	Х		Х
Pyridine	Х		
Quinoline	Х		Х
Quinone	Х		Х
Radionuclides (including radon)			Х
Radionuclides including but not limited to:	Х		
Iodine-131			
Radon and its decay products			
Reserpine [POM]	Х		
Residual (heavy) fuel oils	Х		
Selenium	Х		
Selenium compounds including but not limited to:	Х		
Hydrogen selenide			
Trydrogen selemde			
Selenium sulfide			
Selenium sulfide Selenium compounds, as Se			X
Selenium sulfide Selenium compounds, as Se Silica, crystalline	X		X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver	X X X		X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver	X X X X		X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver Silver compounds Sodium hydroxide, caustic soda	X X X X X		X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver Silver compounds Sodium hydroxide, caustic soda Styrene	X X X X X X		X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide	X X X X X X X		X X X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum	X X X X X X X X		X X X X
Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid	X X X X X X X X X X		X X X X
Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid Terephthalic acid	X X X X X X X X X X X X		X X X X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid Terephthalic acid 2.3.7.8-Tetrachlorodibenzofuran see Polychlorinated	X X X X X X X X X X X X X X		X X X X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid Terephthalic acid 2,3,7,8-Tetrachlorodibenzofuran see Polychlorinated dibenzofurans	X X X X X X X X X X X X X		X X X X
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Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid and oleum Sulfuric acid Terephthalic acid 2,3,7,8-Tetrachlorodibenzofuran see Polychlorinated dibenzofurans 2,3,7,8-Tetrachlorodibenzo-p-dioxin see Polychlorinated dibenzo- p-dioxins	X X X X X X X X X X X X X		X X X X X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid and oleum Sulfuric acid Terephthalic acid 2,3,7,8-Tetrachlorodibenzofuran see Polychlorinated dibenzofurans 2,3,7,8-Tetrachlorodibenzo-p-dioxin see Polychlorinated dibenzo- p-dioxins 1,1,2,2-Tetrachloroethane; acetylene tetrachloride	X X X X X X X X X X X X X X		X X X X X
Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid and oleum Sulfuric acid Terephthalic acid 2,3,7,8-Tetrachlorodibenzofuran see Polychlorinated dibenzofurans 2,3,7,8-Tetrachlorodibenzo-p-dioxin see Polychlorinated dibenzo- p-dioxins 1,1,2,2-Tetrachloroethane; acetylene tetrachloride Tetrachloroethylene, see Perchloroethylene	X X X X X X X X X X X X X	X	X X X X X X X X
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Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid and oleum Sulfuric acid 2,3,7,8-Tetrachlorodibenzofuran see Polychlorinated dibenzofurans 2,3,7,8-Tetrachlorodibenzo-p-dioxin see Polychlorinated dibenzo- p-dioxins 1,1,2,2-Tetrachloroethane; acetylene tetrachloride Tetrachloroethylene, see Perchloroethylene Thallium Thallium Thioacetamide Thioacetamide	X X X X X X X X X X X X X X X X X X X		X X X X X X X X
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Selenium sulfide Selenium compounds, as Se Silica, crystalline Silver Silver compounds Sodium hydroxide, caustic soda Styrene Styrene oxide Sulfuric acid and oleum Sulfuric acid and oleum Sulfuric acid 2,3,7,8-Tetrachlorodibenzofuran see Polychlorinated dibenzofurans 2,3,7,8-Tetrachlorodibenzo-p-dioxin see Polychlorinated dibenzo- p-dioxins 1,1,2,2-Tetrachloroethane; acetylene tetrachloride Tetrachloroethylene, see Perchloroethylene Thallium Thallium Thallium compounds Thioacetamide Thiourea Titanium tetrachloride	X X X X X X X X X X X X X X X X X X X	X	X X X X X X X X X X X X
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and Diaminotoluene N 2-Ar-Toluendiamine, see Diaminotoluene X Toluene-2.4-diisocyanate X Toluene-2.6-diisocyanate X o-Toluidine; o-methylamiline X Toxaphene; Dolychlorinated camphenes X Tributyl phosphate X 1.2.4-Trichtoroetnaze, see Methyl chloroform X 1.1.2-Trichtoroetnaze, see Methyl chloroform X 1.1.2-Trichtoroetnaze, see Methyl chloroform X X X Z.4.5-Trichtoroetnaze, see Methyl chloroform X X X Z.4.5-Trichtorophenol X Z.4.5-Trichtorophenol X Z.4.5-Trichtorophenol X Z.4.5-Trichtorophenol (see Chlorophenols) X Z.4.5-Trichtorophenol X Z.4.5-Trichtorophenol <t< th=""><th>2,4-Toluenediamine; 2,4-Toluene diamine; see 2,4-Diaminotoluene</th><th>Х</th><th></th><th>Х</th></t<>	2,4-Toluenediamine; 2,4-Toluene diamine; see 2,4-Diaminotoluene	Х		Х
2.4-Toluenediamine, see Diaminotoluene X Toluene 2.4-diisocynante X Toluene 2.4-diisocynante X Tokanene 2.6-diisocynante X Toxaphene; Polychlorinated camphenes X Toxaphene; Cholrinated camphenes X Tibutyl phosphate X Tibutyl phosphate X 1.1.1-Trichloroethane, see Methyl chloroform X X X Trichlorophoroethane, see Methyl chloroform X X X Trichlorophoromethane; Pictorocathon 11 X Z.4.5-Trichlorophenol (see Chlorophenols) X Z.4.5-Trichlorophenol (see Chlorophenols) X Triethylamine X Triethylamine X Triethylene glycol dimethyl ether; Triglyme X Trinethylbenzene X 1.2.4-Trinnethylbenzene X Z.4.5-Trichlorophenol X Z.4.5-Trichlorophenol X Z.4.5-Trichlorophenol X Z.4.6-Trichlorophenol X Z.4.6-Trichlorophenol X Z.4.6-Trichlorophenol X Z.4.6-Trichlorophenol X Z.4.7-Trimethylbenzene X Z.4.7-Trimethylbenzene X Z.4.7-Trimethylpenzene	and Diaminotoluene			
Toluene discoyanates X Toluene-2,6-diisocyanate X o-Toluidine; o-methylamiline X X Toxaphene; Chlorinated camphenes X X Toxaphene; Chlorinated camphene X X 1,2,4-Trichloroethane, see Methyl chloroform X X 1,1,1-Trichloroethane, see Methyl chloroform X X 1,1,2-Trichloroptenate X X X 2,4,5-Trichlorophenol X X X 2,4,5-Trichlorophenol X X X 1,2,3-Trichlorophograp X X X Triethylamine X X X Triethylamine X X X 1,2,4-Trimethylbenzene X X X Triethylamine X X X 1,2,4-Trimethylbenzene X <t< td=""><td>2,4-Toluenediamine, see Diaminotoluene</td><td>Х</td><td></td><td></td></t<>	2,4-Toluenediamine, see Diaminotoluene	Х		
Toluene-2.4-diisocyanate	Toluene diisocyanates including but not limited to:	Х		
Toluene-2.6-discoyanate X o-Toluidine; o-methylaniline X Toxaphene; Polychlorinated camphenes X Toxaphene; Chlorinated camphene X Tributyl phosphate X 1.2.4-Trichlorobenzene X 1.1.1-Trichlorosethane, see Methyl chloroform X X X Trichlorophorosethane; viryl trichloride X X X Trichlorophorosethane; viryl trichloride X X X Trichlorophorosethane; viryl trichloride X X X Z.4.5-Trichlorophenol X X X Z.4.5-Trichlorophenol (see Chlorophenols) X X X Triethylamine X Triethylamine X Trifturalin X X X Z.4.5-Trichlorophenol X X X Triethylamine X Triethylamine X Trittylene glycol dimethyl ether; Triglyme X Trinfluralin X X X Z.4-Trimethylbenzene X Z.2.4-Trimethylbenzene X Z.2.4-Trimethylbenzene X Yanadium (fume or dust) </td <td>Toluene-2,4-diisocyanate</td> <td></td> <td></td> <td></td>	Toluene-2,4-diisocyanate			
o-Toluidine; o-methylantline X X Toxaphene; Chlorinated camphenes X X Tributyl phosphate X X 11,1-Trichloroebnane, see Methyl chloroform X X 11,1-Trichloroebnane, see Methyl chloroform X X 11,1-Trichloroebnane, see Methyl chloroform X X 11,1-Trichloroebnane; vinyl trichloroide X X Trichlorotylpene; trichlorophenol X X 2,4.5-Trichlorophenol X X 2,4.5-Trichlorophenol X X 2,4.5-Trichlorophenol X X 11,2.3-Trichlorophenol X X 11,2.3-Trichlorophenol X X 11,2.3-Trichlorophenol X X 12,4.6-Trichlorophenol X X 12,3-Trichlorophenol X X 12,3-Trimethylbenzene X X 12,3-Trimethylbenzene X X	Toluene-2,6-diisocyanate			
Toxaphene: Polychlorinated camphene X Toxaphene: Chlorinated camphene X Tributyl phosphate X 11.2.4-Trichloroebnace, see Methyl chloroform X 11.1.1-Trichloroebnace, see Methyl chloroform X X X Trichlorobrehane; vinyl trichloroeftene X X Trichlorofuloromethane; Fluorocarbon 11 X X 2.4.5-Trichlorophenol X X 1.2.3-Trichlorophenol (see Chlorophenols) X X 1.2.4-Trinklylene glycol dimethyl ether; Triglyme X X Triethylamine X X X Triethylene glycol dimethyl ether; Triglyme X X X Trimethylenezees X X X X 1.2.4-Trinmethylenzene X X X X Triphenyl phosphate [POM] X X X X Triphenyl phosphate [POM], TPP X X X Vanadium (fume or dust) X X X Vinyl acetate X X X X Vinyl choroide; bromoethylene X	o-Toluidine; o-methylaniline	Х		Х
Toxaphene: Chlorinated campheneXTributyl phosphateX1.1,2.4-TrichlorobenzeneX1.1,1-Trichlorobethane, see Methyl chloroformXXX1.1,2-Trichlorobethane, see Methyl chloroformXXXTrichlorobethane, see Methyl chloroformXXXTrichlorobethane; rinchlorobethaneXZ.4.5-TrichlorophenolX2.4.5-TrichlorophenolXZ.4.6-TrichlorophenolXZ.4.5-TrichlorophenolXYXTriethylene glycol dimethyl ether; TriglymeTriethylene glycol dimethyl ether; TriglymeTrifturalinXTrimethylbenzene2.2.4-TrimethylbenzeneZ.2.4-TrimethylbenzeneZ.2.4-TrimethylbenzeneZ.2.4-TrimethylbenzeneYanadium (fume or dust)XVanadium (fume or dust)XVanadium (fume or dust)XXYingl telhoride; ChloroetheneXXYingl telhorideXYingl telhoride; ChloroetheneXXYingl telhoride; ChloroetheneXXXXYingl telhoride; ChloroetheneXYingl telhoride; ChloroetheneXYingl telhoride; ChloroetheneXYingl telhoride; ChloroetheneXYingl telhoride; ChloroetheneXYingl telhoride; Chloroethene <td>Toxaphene; Polychlorinated camphenes</td> <td>Х</td> <td></td> <td></td>	Toxaphene; Polychlorinated camphenes	Х		
Tributyl phosphateXX1,2,4-TrichloroberaneXX1,1,1-Trichloroethane, see Methyl chloroformXX1,1,2-Trichloroethane, see Methyl chloroformXXTrichlorofluoromethane; Fluorocarbon 11XX2,4,5-TrichlorophenolXX2,4,5-Trichlorophenol (see Chlorophenols)XX1,2,3-Trichlorophenol (see Chlorophenols)XX1,2,3-TrichlorophenolXX1,2,3-TrichlorophenolXX1,2,3-TrichlorophenolXX1,2,3-TrichlorophenolXX1,2,3-TrichlorophenolXX1,2,3-TrichlorophenolXX1,2,3-TrichlorophenolXX1,2,4-TrimethylbenzeneXXTriethylanineXXTriethylane glycol dimethyl ether; TriglymeXXTrintentylpenzenes including but not limited to:XX1,2,4-TrimethylbenzeneXXTriorthorcsyl phosphate [POM]XYUrethane; Ethyl carbanateXXVinyl acetateXXVinyl acetateXXVinyl chloride; ChloroetheneXXVinyl chloride; I,1-dichloroethyleneXXVinyl fluorideXXVinyl fluorideXXVinyl chloride; ChloroetheneXXXylenesXXVinyl chloride; ChloroetheneXXXylenes (isomers and mixture)XX <td>Toxaphene; Chlorinated camphene</td> <td></td> <td></td> <td>Х</td>	Toxaphene; Chlorinated camphene			Х
1.2.4-Trichlorobenzene X 1.1.1-Trichloroethane; see Methyl chloroform X X 1.1.2-Trichloroethane; vinyl trichloride X X Trichloroethane; trichloroethene X X Trichlorophenol X X 2.4.5-Trichlorophenol X X 2.4.5-Trichlorophenol (see Chlorophenols) X X 1.2.3-Trichlorophenol (see Chlorophenols) X X Triethylamine X X Triethylamine X X Triethylamine X X Triethylene glycol dimethyl ether; Triglyme X X Triethylenzenes including but not limited to: X X 1.2.4-Trimethylbenzene X X 2.2.4-Trimethylbenzene X X Triphenyl phosphate [POM] X X Triphenyl phosphate [POM], TPP X X Vanadium Pentoxide X X Vanadium Pentoxide X X Vinyl acctate X X Vinyl cloride; Chloroethene X X X X	Tributyl phosphate	Х		
1.1.1-Trichloroethane, see Methyl chloroformXX1.1.2-Trichloroethane; vinyl trichlorideXXTrichloroethylene; trichloroetheneXXZ.4.5-TrichlorophenolXX2.4.5-TrichlorophenolXX2.4.5-TrichlorophenolXXZ.4.5-TrichlorophenolXXZ.4.5-TrichlorophenolXX2.4.5-TrichlorophenolXX2.4.5-TrichlorophenolXXZ.4.5-TrichlorophenolXX1.2.3-TrichlorophenolXXTriethylene glycol dimethyl ether; TriglymeXXTriethylene glycol dimethyl ether; TriglymeXXTrimethylbenzeneXXTrimethylbenzeneXX1.2.4-TrimethylbenzeneXXZ.2.4-TrimethylbenzeneXXTriphenyl phosphate [POM]XXTriphenyl phosphate [POM]XXVanadium fume or dust)XXVanadium PentoxideXXVinyl acetateXXVinyl acetateXXVinyl loroide; bronoethyleneXXVinyl fluorideXXVinyl fluorideXXVinyl fluorideXXVinyl fluorideXXVinyl fluorideXXVinyl keeneXXXXXXXXXXXXXXX<	1,2,4-Trichlorobenzene			Х
1.1.2-Trichloroethane; vinyl trichloride X X Trichloromethane; Fluorocarbon 11 X X 2.4.5-Trichlorophenol X X 2.4.5-Trichlorophenol (see Chlorophenols) X X 1.2.3-Trichlorophenol (see Chlorophenols) X X 1.2.4-Trimethylene glycol dimethyl ether; Triglyme X X Trimethylbenzene X X 2.2.4-Trimethylbenzene X X 2.2.4-Trimethylbenzene X X Urethane; Ethyl carbamate X X Vanadium (fume or dust) X X Vanadium Pentoxide X X Vinyl acetate X X Vinyl choride; bromoethylene X X Vinyl choride; bromoethylene X X Vinyl duo	1,1,1-Trichloroethane, see Methyl chloroform	Х		Х
Trichloroethylene; trichloroetheneXXXTrichlorofluoromethane; Fluorocarbon 11XX2.4.5-TrichlorophenolXX2.4.5-Trichlorophenol (see Chlorophenols)XX1.2.3-Trichlorophenol (see Chlorophenols)XXTriethylene glycol dimethyl ether; TriglymeXXTriethylene glycol dimethyl ether; TriglymeXXTrifthylene glycol dimethyl ether; TriglymeXXTrifthylene glycol dimethyl ether; TriglymeXXTrifthylene glycol dimethyl ether; TriglymeXXTrifthylene glycol dimethyl ether; TriglymeXXTrimethylbenzeneXX1.2.4-TrimethylbenzeneXX2.2.4-TrimethylbenzeneXX1.2.4-TrimethylpentaneXXTrifthersyl phosphate [POM]XXTriphenyl phosphate [POM], TPPXXVanadium (fume or dust)XXVanadium PentoxideXXVinyl robide; bromoethyleneXXVinyl chloride; ChloroetheneXXXXXVinyl fluorideXXVinyl fluorideXXXylenes (mixed xylenes) including: o-XyleneXXNylenesXXO-XylenesXXZinc coxideXX	1,1,2-Trichloroethane; vinyl trichloride	Х		Х
Trichlorofluoromethane; Fluorocarbon 11 X X 2.4,6-Trichlorophenol X X 1,2,3-Trichloroppene X X Triethylamine X X Triethylamine X X Triethylene glycol dimethyl ether; Triglyme X X Triethylene glycol dimethyl ether; Triglyme X X Triethylenzenes including but not limited to: X X 1.2,4-Trimethylbenzene X X 2.2,4-Trimethylpenzene X X 2.2,4-Trimethylpenzene X X 2.2,4-Trimethylpenzene X X 1.2,4-Trimethylpenzene X X 2.2,4-Trimethylpenzene X X 2.2,4-Trimethylpenzene X X 1.2,4-Trimethylpenzene X X Vingly clockene X X Vingly clockene X X Vinyl chloride; Chloroethylene	Trichloroethylene; trichloroethene	Х	X	Х
2.4.5-Trichlorophenol X X 2.4.6-Trichlorophenol (see Chlorophenols) X X 1.2.3-Trichlorophenol (see Chlorophenols) X X 1.2.3-Trichlorophenol (see Chlorophenols) X X 1.2.3-Trichlorophenol (see Chlorophenols) X X Triethylamine X X Triethylamine X X Triethylamine X X Triethylene glycol dimethyl ether; Triglyme X X Trimethylbenzene X X 1.2.4-Trimethylbenzene X X 1.2.4-Trimethylbenzene X X 2.2.4-Trimethylbenzene X X 1.2.4-Trimethylpenzene X X 2.2.4-Trimethylpenzene X X 1.2.4-Trimethylpenzene X X 1.2.4-Trimethylpenzene X X 2.2.4-Trimethylpenzene X X 1.2.4-Trimethylpenzene X X Vinolar develophene X X Vinplacetate <td< td=""><td>Trichlorofluoromethane: Fluorocarbon 11</td><td>Х</td><td></td><td></td></td<>	Trichlorofluoromethane: Fluorocarbon 11	Х		
2.4,6-Trichlorophenol (see Chlorophenols) X X 1.2.3-Trichloropropane X X Triethylene glycol dimethyl ether; Triglyme X X Trifhuralin X X Trifhuralin X X Trimethylbenzenes including but not limited to: X 1,2,4-Trimethylbenzene 1.2,4-Trimethylbenzene X X 2.2,4-Trimethylpentane X X Triothocresyl phosphate [POM] X X Trinothocresyl phosphate [POM] X X Urethane; Ethyl carbamate X X Vanadium fume or dust) X X Vanadium fume or dust) X X Vinyl bromide; bromoethylene X X Vinyl chloride; Chloroethene X X Vinyl chloride; (1,1-dichloroethylene X X Vinyl fluoride X X Vinyl fluoride X X Xylenes (isomers and mixture) X X Xylenes (isomers and mixture) X X Xylenes X X<	2.4.5-Trichlorophenol	Х		Х
1.2,3-Trichloropropane X Triethylamine X Triethylamine X Triethylene glycol dimethyl ether; Triglyme X Trifturalin X X X 1,2,4-Trimethylbenzene X 1,2,4-Trimethylbenzene X 1,2,4-Trimethylbenzene X 2,2,4-Trimethylbenzene X 2,2,4-Trimethylbenzene X 2,2,4-Trimethylbenzene X 2,2,4-Trimethylbenzene X 1,2,4-Trimethylbenzene X 2,2,4-Trimethylbenzene X 1,2,4-Trimethylbenzene X 1,2,4-Trimethylbenzene X 2,2,4-Trimethylbenzene X 1,2,4-Trimethylbenzene X Vanadium (tume or dust) X Vanadium (tume or dust) X Vanadium (tume or dust) X Vanadium fume or dust) X Vinyl acetate X Vinyl acetate X Vinyl choloride; Choroethene X X X Vinyl fluoride X Vinyl fluoride X Vinyl fluoride; 1,1-dichloroethylene X X X Xylenes (isomers and mixture) X	2.4.6-Trichlorophenol (see Chlorophenols)	Х		Х
Triethylamine X X Triethylamine X X Trifthylene glycol dimethyl ether; Triglyme X X Trifluralin X X Trifthylbenzene X X Trimethylbenzene X X 2.2,4-Trimethylbenzene X X Trirothocresyl phosphate [POM] X X Triphenyl phosphate [POM] X X Vanadium fume or dust) X X Vanadium Pentoxide X X Vinyl acetate X X Vinyl bromide; bromoethylene X X Vinyl bromide; I,1-dichloroethylene X X Vinyl fluoride X X Vinyl fluoride; I,1-dichloroethylene X X Xylenes (isomers and mixture) X X Xylenes (isomers and mixture) X X P-Xylene X X p-Xylenes X X P-Xylenes X X Zinc compounds including but not limited to: X X	1.2.3-Trichloropropane	Х		
Triethylene glycol dimethyl ether; Triglyme X X Triithuralin X X 1,2,4-Trimethylbenzene X X 1,2,4-Trimethylbenzene X X 2,2,4-Trimethylbenzene X X 10 X X 11 X X 12,2,4-Trimethylbenzene X X 2,2,4-Trimethylbenzene X X 12,2,4-Trimethylbenzene X X 11,2,4-Trimethylbenzene X X 12,2,4-Trimethylbenzene X X Vanadium (fume or dust) X X Vanadium (fume or dust) X X Vinyl acetate X X Vinyl choride; Chloroethene <td>Triethylamine</td> <td>X</td> <td></td> <td>X</td>	Triethylamine	X		X
Trifluralin X X Trifluralin X X Trimethylbenzenes including but not limited to: X X 1,2,4-Trimethylbenzene X X 2,2,4-Trimethylbenzene X X 2,2,4-Trimethylbenzene X X 2,2,4-Trimethylbenzene X X 1,2,4-Trimethylbenzene X X 2,2,4-Trimethylpentane X X Triphenyl phosphate [POM] X X Urethane; Ethyl carbamate X V Vanadium fume or dust) X X Vanadium Pentoxide X X Vinyl acetate X X Vinyl chloride; Chloroethene X X 4-Vinyl chloride; Chloroethene X X Vinyl fluoride X X Vinyl idene chloride; 1,1-dichloroethylene X X Xylenes (insomers and mixture) X X Xylenes (mixed xylenes) including: X X o-Xylene X X p-Xylenes X X <t< td=""><td>Triethylene glycol dimethyl ether: Triglyme</td><td>X</td><td></td><td></td></t<>	Triethylene glycol dimethyl ether: Triglyme	X		
1.2,4-Trimethylbenzene X Trimethylbenzenes including but not limited to: X 1,2,4-Trimethylbenzene X 2,2,4-Trimethylbenzene X Triothocresyl phosphate [POM] X Triphenyl phosphate [POM], TPP X Urethane: Ethyl carbamate X Vanadium (fume or dust) X Vanadium Pentoxide X Vinyl acetate X Vinyl choride; Chloroethene X X X Vinyl chloride; Chloroethene X X X Vinyl chloride; Chloroethylene X Vinyl fluoride X Vinyl fluoride X Vinyl fluoride X Vinylidene chloride; 1,1-dichloroethylene X Xylenes (isomers and mixture) X Xylenes (mixed xylenes) including: X m-Xylene X o-Xylene X p-Xylenes X Xinc X Xinees X X X X X Xylenes (containing arsenic and chroma	Trifluralin	X		X
Trimethylbenzenes including but not limited to:X1,2,4-TrimethylbenzeneX2,2,4-TrimethylbenzeneX2,2,4-TrimethylpentaneXTriothocresyl phosphate [POM]XTriphenyl phosphate [POM], TPPXUrethane; Ethyl carbamateXVanadium (fume or dust)XVanadium PentoxideXVinyl acetateXVinyl bromide; bromoethyleneXVinyl chloride; ChloroetheneXXXVinyl fluorideXVinyl fluorideXVinyl fluorideXXylenes (iomers and mixture)XXylenesXm-XyleneXm-XylenesXXingXZinc compounds including but not limited to:XZinc compounds including but not limited to:X	1.2.4-Trimethylbenzene	X		
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	Zinc oxide			

^a This table includes pollutants determined by the State Board to be a toxic air contaminant per Health and Safety Code sections 39655 and 39657. Any pollutants added to 1) the California Code of Regulations, Title 17, Sections 93000 and 93001, or 2) the *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values* are also considered to be a toxic air contaminant by the Santa Barbara County Air Pollution Control District.

^b The AB 2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines Regulation (Guidelines) provides direction and criteria to facilities on how to compile and submit air toxics emission data required by the "Hot Spots" Program. Appendix A-1 lists substances that must have the amount reported.

^c "CCR" stands for California Code of Regulations. Sections 91300 and 91301 are found in Title 17, Division 3, Chapter 1, Subchapter 7.

^d Also identified as an EPA Hazardous Air Pollutant, promulgated under the provisions of the Clean Air Act Section 112(b).