New Jersey Department of Environmental Protection Reason for Application

Permit Being Modified

Number: 230002 **Permit Class: PCP**

Description

PCP230002 was approved by the Department on December 3, 2023 for installation of new of Modifications: Tank 162 (E162). The tank has not been installed. Final design of the tank has resulted in a change in the diameter and height for the new tank, resulting in slight increases in potential emissions from the tank. There is no change in annual throughput or material for the tank, however a larger tank diameter results in a slight increase in potential emissions from 0.28 tons VOC/year to 0.42 tons VOC/year.

> Therefore, Ergon is requesting a permit modification to reflect the revised design specifications for the tank and revised potential emissions. Revised potential to emit calculations along with an updated Risk Screening Worksheet are attached. The resultant long-term incremental risk (IR), hazard quotient (HQ), and short-term hazard quotient (HQst) for formaldehyde are all still within the Department's acceptable critera.

Date: 9/6/2024

New Jersey Department of Environmental Protection Facility Profile (General)

Facility Name (AIMS): ERGON ASPHALT PARTNERS LP Facility ID (AIMS): 50519

Street ERGON ASPHALT PARTNERS LP

Address: KING ST AND JERSEY AVE GLOUCESTER CITY, NJ 08030

Mailing ERGON ASPHALT PARTNERS LP

Address: PO BOX 31

GLOUCESTER CITY, NJ 08030

County: Camden

Location Facility located on the Delaware River **Description:** approximately 1/2 mile south of the Walt

Whitman Bridge.

State Plane Coordinates:

X-Coordinate: 1,869,350

Y-Coordinate: 386,350

Units: UTM Zone 18N - Meters

Datum: NAD83

Source Org.: Submittal Document

Other/Unknown **Source Type:**

Industry:

Primary SIC: 2951

Secondary SIC: 5171

NAICS: 324121

Email: KATELAN.CRAIN@ERGON.COM

Date: 9/6/2024

New Jersey Department of Environmental Protection Facility Profile (General)

| Contact Type: Air Permit Information Contact | | |
|--|----------|--|
| Organization: ERGON ASPHALT PARTNERS LP | | Org. Type: LP |
| Name: KATELAN CRAIN | | NJ EIN: 00261600597 |
| Title: ENV ENGINEER | | |
| Phone: (601) 933-3122 x | Mailing | ERGON ASPHALT PARTNERS LP |
| Fax: () - x | Address: | PO BOX 1639 |
| Other: () - x | | JACKSON, MS 39215 |
| Type: | | |
| Email: KATELAN.CRAIN@ERGON.COM | | |
| Contact Type: Emission Statements | | |
| Organization: ERGON ASPHALT PARTNERS LP | | Org. Type: LP |
| Name: Ronald Shiver | | NJ EIN: 00261600597 |
| Title: EHS Compliance Manager | | |
| Phone: (267) 460-8839 x | Mailing | ERGON ASPHALT PARTNERS LP |
| Fax: (856) 456-3331 x | Address: | P.O. Box 31 Gloucester City, NJ 08030 |
| Other: (512) 751-0969 x | | Glodeester City, 143 00050 |
| Type: Mobile | | |
| Email: Ron.Shiver@ergon.com | | |
| Contact Type: Fees/Billing Contact | | |
| Organization: ERGON ASPHALT PARTNERS LP | | Org. Type: LP |
| Name: KATELAN CRAIN | | NJ EIN: 00261600597 |
| Title: ENV ENGINEER | | |
| Phone: (601) 933-3122 x | Mailing | ERGON ASPHALT PARTNERS LP |
| Fax: () - x | Address: | PO BOX 1639 JACKSON, MS 39215 |
| Other: () - x | | 012010011, 1110 07210 |
| Type: | | |

Date: 9/6/2024

New Jersey Department of Environmental Protection Facility Profile (General)

Contact Type: On-Site Manager

Organization: ERGON ASPHALT PARTNERS LP Org. Type: LP

Name: Kevin Hanson **NJ EIN:** 00261600597

Title: Facility Manager

Phone: (856) 456-6673 x Mailing ERGON ASPHALT PARTNERS LP

Fax: (856) 456-3331 x **Address:** P.O. Box 31

Other: (609) 504-3640 x

Type: Mobile

Email: kevin.hanson@ergon.com

Contact Type: Owner (Current Primary)

Organization: ERGON ASPHALT PARTNERS LP Org. Type: LP

Name: Kevin Hanson **NJ EIN:** 00261600597

Title: Facility Manager

Phone: (856) 456-6673 x Mailing ERGON ASPHALT PARTNERS LP

Fax: (856) 456-3331 x **Address:** P.O. Box 31

Gloucester City, NJ 08030

Other: (609) 504-3640 x

Type: Mobile

Email: kevin.hanson@ergon.com

Contact Type: Responsible Official

Organization: ERGON ASPHAL PARTNERS LP Org. Type: LP

Name: RAMON L CALLAHAN JR NJ EIN: 00261600597

Title: VP OF EHS

Phone: (913) 744-4919 x Mailing ERGON ASPHAL PARTNERS LP

Fax: () - x

Address: PO BOX 1639

JACKSON, MS 39215

Other: () - x

Type:

Email: RAMON.CALLAHAN@ERGON.COM

New Jersey Department of Environmental Protection Facility Profile (Permitting)

| 1. Is this facility classified as a small business by the USEPA? | No |
|---|----|
| 2. Is this facility subject to N.J.A.C. 7:27-22? | No |
| 3. Are you voluntarily subjecting this facility to the requirements of Subchapter 22? | No |
| 4. Has a copy of this application been sent to the USEPA? | No |
| 5. If not, has the EPA waived the requirement? | |
| 6. Are you claiming any portion of this application to be confidential? | No |
| 7. Is the facility an existing major facility? | No |
| 8. Have you submitted a netting analysis? | No |
| 9. Are emissions of any pollutant above the SOTA threshold? | No |
| 10. Have you submitted a SOTA analysis? | |
| 11. If you answered "Yes" to Question 9 and "No" to Question 10, explain why a SOTA analysis was not required | |

12. Have you provided, or are you planning to provide air contaminant modeling?

ERGON ASPHALT PARTNERS LP (50519)

Date: 9/6/2024

New Jersey Department of Environmental Protection Equipment Inventory

| Equip. NJID | Facility's Designation | Equipment Description | Equipment Type | Certificate Number | Install Date | Grand- Fathered | Last Mod. (Since 1968) | Equip. Set ID |
|----------------|---------------------------|--------------------------|----------------|-----------------------|-----------------|--------------------|------------------------|------------------|
| E162 | Tank 162 | PMAC Storage | Storage Vessel | | 10/1/2024 | No | | |

Date: 9/6/2024

New Jersey Department of Environmental Protection Control Device Inventory

| CD NJID | Facility's Designation | Description | СD Туре | Install Date | Grand- Fathered | Last Mod. (Since 1968) | CD Set ID |
|------------|---------------------------|----------------------------|----------------------------|-----------------|--------------------|---------------------------|--------------|
| CD3 | PMAC Demist | PMAC Demister | Particulate Filter (Other) | | | | |
| CD9 | Ecosorb | Ecosorb System | Adsorber | | | | |
| CD41 | Mtarri 1 | PMAC Odor Abatement system | Adsorber | | | | |
| CD42 | Mtarri 2 | PMAC Odor Abatement system | Adsorber | | | | |
| CD43 | Mtarri 3 | PMAC Odor Abatement system | Adsorber | | | | |
| CD44 | Mtarri 4 | PMAC Odor Abatement system | Adsorber | | | | |
| CD51 | PMACPolish1 | PMAC polishing filter | Adsorber | | | | |
| CD52 | PMACPolish2 | PMAC polishing filter | Adsorber | | | | |
| CD53 | PMACPolish3 | PMAC polishing filter | Adsorber | | | | |
| CD54 | PMACPolish4 | PMAC polishing filter | Adsorber | | | | |

ERGON ASPHALT PARTNERS LP (50519)

Date: 9/6/2024

New Jersey Department of Environmental Protection Emission Points Inventory

| PT NJID | Facility's | Description | Config. | Equiv. Diam. | Height | Dist. to Prop. | Exhaus | t Temp. | (deg. F) | Exh | aust Vol. (a | cfm) | Discharge Direction | PT Set ID |
|------------|-------------|---------------------------------|---------|-----------------|--------|-------------------|--------|---------|----------|---------|--------------|------|------------------------|--------------|
| NJID | Designation | | | (in.) | (ft.) | | Avg. | Min. | Max. | Avg. | Min. | Max. | Direction | Set ID |
| PT13001 | PT13001 | Control Device System Exhaust | Round | 12 | 15 | 170 | 130.0 | | | 2,500.0 | | | Up | |
| PT13002 | PT13002 | Control Device System Exhaust 2 | Round | 12 | 15 | 170 | 130.0 | | | 2,500.0 | | | Up | |
| PT13003 | PT13003 | Control Device System Exhaust 3 | Round | 12 | 15 | 170 | 130.0 | | | 2,500.0 | | | Up | |
| PT13004 | PT13004 | Control Device System Exhaust 4 | Round | 12 | 15 | 170 | 130.0 | | | 2,500.0 | | | Up | |

Date: 9/6/2024

New Jersey Department of Environmental Protection Emission Unit/Batch Process Inventory

U 1 U1 Process & Storage Equipment

| UOS | Facility's | UOS | Operation | Signif. | Control | Emission | SCC(s) | Annual Oper. Hours | VOC | | ow efm) | | mp. eg F) |
|-------|-------------|--------------|-----------------|---------|-----------|----------|-------------|-----------------------|-------|------|------------|------|--------------|
| NJID | Designation | Description | Type | Equip. | Device(s) | Point(s) | SCC(s) | Min. Max. | Range | Min. | Max. | Min. | Max. |
| OS162 | Tank 162 | PMAC storage | Normal - Steady | E162 | CD3 (P) | PT13001 | 4-04-003-14 | 0.0 8,760.0 | В | 0.0 | 100.0 | 50.0 | 410.0 |
| | | | State | | CD41 (T) | PT13002 | | | | | | | |
| | | | | | CD42 (T) | PT13003 | | | | | | | |
| | | | | | CD43 (T) | PT13004 | | | | | | | |
| | | | | | CD44 (T) | | | | | | | | |
| | | | | | CD51 (T) | | | | | | | | |
| | | | | | CD52 (T) | | | | | | | | |
| | | | | | CD53 (T) | | | | | | | | |
| | | | | | CD54 (T) | | | | | | | | |
| | | | | | CD9 (S) | | | | | | | | |

50519 ERGON ASPHALT PARTNERS LP

Date: 9/6/2024

New Jersey Department of Environmental Protection Potential to Emit

Subject Item: U1 U1
Operating Scenario: OS162

Step:

| Air Contaminant Category (HAPS) | Fugitive Emissions | Emissions Before Controls | Emissions After Controls | Total Emissions | Units | Alt. Em. Limit |
|------------------------------------|-----------------------|------------------------------|-----------------------------|--------------------|---------|-------------------|
| Formaldehyde | | 0.01040000 | 0.01040000 | 0.01040000 | lb/hr | No |
| Formaldehyde | | 0.00290000 | 0.00290000 | 0.00290000 | tons/yr | No |
| VOC (Total) | | 1.51000000 | 1.51000000 | 1.51000000 | lb/hr | No |

000000 E162 (Storage Vessel) Print Date: 9/6/2024

What type of contents is this storage vessel equipped to contain by design? Liquids Only Storage Vessel Type: Tank Design Capacity: 175,035 gallons Units: Ground Location: Above Ground Is the Shell of the Equipment Exposed to Sunlight? Yes • Other Shell Color: ▼ Description (if other): Tan Shell Condition: Light Rust ▼ Good Paint Condition: Welded Shell Construction: Yes Is the Shell Insulated? ▼ Type of Insulation: Flberglass Insulation Thickess (in): 4.0 Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]: Shape of Storage Vessel: Cylindrical $\overline{}$ Shell Height (From Ground to Roof Bottom) (ft): 40.00 Length (ft): Width (ft): Diameter (ft): 28.00 Other Dimension Description: Value: Units: Submerged ▼ Fill Method: Description (if other): 600.00 Maximum Design Fill Rate: gal/min ▼ Does the storage vessel have a roof or an open top? Roof ▼ Roof Type: Vertical fixed roof tank ▼ Roof Height (From Roof Bottom to Roof Top) (ft): Roof Construction: ▾ Primary Seal Type: ▼ $\overline{}$ Secondary Seal Type: Total Number of Seals: Roof Support: Does the storage vessel have a Vapor Return Loop? No

000000 E162 (Storage Vessel) Print Date: 9/6/2024

Does the storage vessel have a Conservation Vent?

Have you attached a diagram showing the location and/or the configuration of this equipment?

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?



000000 CD42 (Adsorber) Print Date: 9/6/2024

| Make: | |
|--|---------------------------------|
| Manufacturer: | Mtarri Varani, LLC |
| Model: | Mtarri Odor Control |
| Adsorber Type: | O1 T |
| Description: | Odor Control Unit |
| Maximum Gas Flow Rate to Adsorber (acfm): | 6000.0 |
| Maximum Temperature of Vapor | |
| Stream to Adsorber (°F): | 150.00 |
| Minimum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Moisture Content of Vapor Stream to Adsorber (%): | |
| Type of Adsorbant: | Iron sponge media or equivalent |
| | |
| Bed Height: | 10.00 |
| Bed Length: | 8.00 |
| Bed Width: | 16.00 |
| Units: | Feet |
| Other Bed Dimension: | |
| Value: Units: | |
| Minimum Pressure Drop Across | |
| Adsorbant (in. H20): | |
| Maximum Pressure Drop Across Adsorber (in. H20): | |
| Total Weight of Adsorbant (lbs): | |
| Total Weight of Adsorbant When Saturated (lbs): | |
| Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Set-up Type: | Parallel |
| Method of Determining Breakthrough | n (check all that apply): |
| Continuous Emissions Monitor (CEM): | |
| Replacement By Weight: | |
| Periodic Testing: | ✓ |
| Sampling Frequency: | |
| Sampling Device: | H2S Detector |
| Other: | |
| Description: | |
| Minimum Concentration at Breakthrough (ppmvd): | 10.00 |
| Handling Method of Saturated Adsorbant: | Disposed of off-site |
| Method of Regeneration: | |

000000 CD42 (Adsorber) Print Date: 9/6/2024

| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 10 |
|---|--|
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Odor to be detected if not operated properly |
| Have you attached data from recent performance testing? | Yes No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ◯ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | Yes No |

000000 CD43 (Adsorber) Print Date: 9/6/2024

| Make: | |
|--|---------------------------------|
| Manufacturer: | Mtarri Varani, LLC |
| Model: | Mtarri Odor Control |
| Adsorber Type: | O1 T |
| Description: | Odor Control Unit |
| Maximum Gas Flow Rate to Adsorber (acfm): | 6000.0 |
| Maximum Temperature of Vapor | |
| Stream to Adsorber (°F): | 150.00 |
| Minimum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Moisture Content of Vapor Stream to Adsorber (%): | |
| Type of Adsorbant: | Iron sponge media or equivalent |
| | |
| Bed Height: | 10.00 |
| Bed Length: | 8.00 |
| Bed Width: | 16.00 |
| Units: | Feet |
| Other Bed Dimension: | |
| Value: Units: | |
| Minimum Pressure Drop Across | |
| Adsorbant (in. H20): | |
| Maximum Pressure Drop Across Adsorber (in. H20): | |
| Total Weight of Adsorbant (lbs): | |
| Total Weight of Adsorbant When Saturated (lbs): | |
| Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Set-up Type: | Parallel |
| Method of Determining Breakthrough | n (check all that apply): |
| Continuous Emissions Monitor (CEM): | |
| Replacement By Weight: | |
| Periodic Testing: | ✓ |
| Sampling Frequency: | |
| Sampling Device: | H2S Detector |
| Other: | |
| Description: | |
| Minimum Concentration at Breakthrough (ppmvd): | 10.00 |
| Handling Method of Saturated Adsorbant: | Disposed of off-site |
| Method of Regeneration: | |

000000 CD43 (Adsorber) Print Date: 9/6/2024

| | 1 mit Date: 5/6/2024 |
|---|--|
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 10 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Odor to be detected if not operated properly |
| Have you attached data from recent performance testing? | ◯ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ◯ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ✓ Vos ■ No |

000000 CD44 (Adsorber) Print Date: 9/6/2024

| Make: | |
|---|---------------------------------|
| Manufacturer: | Mtarri Varani, LLC |
| Model: | Mtarri Odor Control |
| Adsorber Type: | 01 |
| Description: | Odor Control Unit |
| Maximum Gas Flow Rate to Adsorber (acfm): | 6000.0 |
| Maximum Temperature of Vapor Stream to Adsorber (°F): | 150.00 |
| Minimum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Moisture Content of Vapor Stream to Adsorber (%): | |
| Type of Adsorbant: | Iron sponge media or equivalent |
| | |
| Bed Height: | 10.00 |
| Bed Length: | 8.00 |
| Bed Width: | 16.00 |
| Units: | Feet |
| Other Bed Dimension: | |
| Value: | |
| Units: | |
| Minimum Pressure Drop Across Adsorbant (in. H20): | |
| Maximum Pressure Drop Across Adsorber (in. H20): | |
| Total Weight of Adsorbant (lbs): | |
| Total Weight of Adsorbant When Saturated (lbs): | |
| Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Set-up Type: | Parallel |
| Method of Determining Breakthrough | n (check all that apply): |
| Continuous Emissions Monitor (CEM): | |
| Replacement By Weight: | |
| Periodic Testing: | ✓ |
| Sampling Frequency: | |
| Sampling Device: | H2S Detector |
| Other: | |
| Description: | |
| Minimum Concentration at Breakthrough (ppmvd): | |
| | 10.00 |
| Handling Method of Saturated Adsorbant: | Disposed of off-site |

000000 CD44 (Adsorber) Print Date: 9/6/2024

| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 10 |
|---|--|
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Odor to be detected if not operated properly |
| Have you attached data from recent performance testing? | ◯ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ◯ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | Yes No |

000000 CD51 (Adsorber) Print Date: 9/6/2024

| Make: | Carbon Steel Vessel |
|---|---|
| Manufacturer: | TetraSolve |
| Model: | VF-3000 (or equivalent) |
| Adsorber Type: | FN 🔻 |
| Description: | |
| Maximum Gas Flow Rate to Adsorber (acfm): | 1500.0 |
| Maximum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Moisture Content of Vapor Stream to Adsorber (%): | |
| Type of Adsorbant: | Carbon (coconut shell based or equivalent |
| | |
| Bed Height: | 6.50 |
| Bed Length: | 6.00 |
| Bed Width: | 4.00 |
| Units: | Feet |
| Other Bed Dimension: | |
| Value: | |
| Units: | |
| Minimum Pressure Drop Across Adsorbant (in. H20): | |
| Maximum Pressure Drop Across Adsorber (in. H20): | |
| Total Weight of Adsorbant (lbs): | 2500.0 |
| Total Weight of Adsorbant When Saturated (lbs): | |
| Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Set-up Type: | ▼ |
| Method of Determining Breakthrough | n (check all that apply): |
| Continuous Emissions Monitor (CEM): | |
| Replacement By Weight: | |
| Periodic Testing: | |
| Sampling Frequency: | |
| Sampling Device: | |
| Other: | |
| Description: | |
| Minimum Concentration at Breakthrough (ppmvd): | |
| Handling Method of Saturated Adsorbant: | Disposed of off-site |
| Method of Regeneration: | |

000000 CD51 (Adsorber) Print Date: 9/6/2024

| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | |
|---|-------------------|
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual inspection |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | Yes No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | Yes No |

000000 CD52 (Adsorber) Print Date: 9/6/2024

| Make: | Carbon Steel Vessel |
|---|---|
| Manufacturer: | TetraSolve |
| Model: | VF-3000 (or equivalent) |
| Adsorber Type: | FN 🔻 |
| Description: | |
| Maximum Gas Flow Rate to Adsorber (acfm): | 1500.0 |
| Maximum Temperature of Vapor Stream to Adsorber (°F): | , |
| Minimum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Moisture Content of Vapor Stream to Adsorber (%): | |
| Type of Adsorbant: | Carbon (coconut shell based or equivalent |
| | |
| Bed Height: | 6.50 |
| Bed Length: | 6.00 |
| Bed Width: | 4.00 |
| Units: | Feet |
| Other Bed Dimension: | _ |
| Value: | |
| Units: | |
| Minimum Pressure Drop Across Adsorbant (in. H20): | |
| Maximum Pressure Drop Across Adsorber (in. H20): | |
| Total Weight of Adsorbant (lbs): | 2500.0 |
| Total Weight of Adsorbant When Saturated (lbs): | |
| Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Set-up Type: | ▼ |
| Method of Determining Breakthrough | n (check all that apply): |
| Continuous Emissions Monitor (CEM): | |
| Replacement By Weight: | |
| Periodic Testing: | |
| Sampling Frequency: | |
| Sampling Device: | |
| Other: | |
| Description: | |
| Minimum Concentration at Breakthrough (ppmvd): | |
| Handling Method of Saturated Adsorbant: | Disposed of off-site |
| Method of Regeneration: | |

000000 CD52 (Adsorber) Print Date: 9/6/2024

| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | |
|---|-------------------|
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual inspection |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | Yes No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | Yes ○ No |

000000 CD53 (Adsorber) Print Date: 9/6/2024

| Make: | Carbon Steel Vessel |
|---|---|
| Manufacturer: | TetraSolve |
| Model: | VF-3000 (or equivalent) |
| Adsorber Type: | FN 🔻 |
| Description: | |
| Maximum Gas Flow Rate to Adsorber (acfm): | 1500.0 |
| Maximum Temperature of Vapor Stream to Adsorber (°F): | , |
| Minimum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Moisture Content of Vapor Stream to Adsorber (%): | |
| Type of Adsorbant: | Carbon (coconut shell based or equivalent |
| | |
| Bed Height: | 6.50 |
| Bed Length: | 6.00 |
| Bed Width: | 4.00 |
| Units: | Feet |
| Other Bed Dimension: | _ |
| Value: | |
| Units: | |
| Minimum Pressure Drop Across Adsorbant (in. H20): | |
| Maximum Pressure Drop Across Adsorber (in. H20): | |
| Total Weight of Adsorbant (lbs): | 2500.0 |
| Total Weight of Adsorbant When Saturated (lbs): | |
| Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Set-up Type: | ▼ |
| Method of Determining Breakthrough | n (check all that apply): |
| Continuous Emissions Monitor (CEM): | |
| Replacement By Weight: | |
| Periodic Testing: | |
| Sampling Frequency: | |
| Sampling Device: | |
| Other: | |
| Description: | |
| Minimum Concentration at Breakthrough (ppmvd): | |
| Handling Method of Saturated Adsorbant: | Disposed of off-site |
| Method of Regeneration: | |

000000 CD53 (Adsorber) Print Date: 9/6/2024

| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | |
|---|-------------------|
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual inspection |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | Yes No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | Yes No |

000000 CD54 (Adsorber) Print Date: 9/6/2024

| Make: | Carbon Steel Vessel |
|---|---|
| Manufacturer: | TetraSolve |
| Model: | VF-3000 (or equivalent) |
| Adsorber Type: | FN 🔻 |
| Description: | |
| Maximum Gas Flow Rate to Adsorber (acfm): | 1500.0 |
| Maximum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Temperature of Vapor Stream to Adsorber (°F): | |
| Minimum Moisture Content of Vapor Stream to Adsorber (%): | |
| Type of Adsorbant: | Carbon (coconut shell based or equivalent |
| | |
| Bed Height: | 6.50 |
| Bed Length: | 6.00 |
| Bed Width: | 4.00 |
| Units: | Feet |
| Other Bed Dimension: | |
| Value: | |
| Units: | |
| Minimum Pressure Drop Across Adsorbant (in. H20): | |
| Maximum Pressure Drop Across Adsorber (in. H20): | |
| Total Weight of Adsorbant (lbs): | 2500.0 |
| Total Weight of Adsorbant When Saturated (lbs): | |
| Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant): | |
| Set-up Type: | ▼ |
| Method of Determining Breakthrough | n (check all that apply): |
| Continuous Emissions Monitor (CEM): | |
| Replacement By Weight: | |
| Periodic Testing: | |
| Sampling Frequency: | |
| Sampling Device: | |
| Other: | |
| Description: | |
| Minimum Concentration at Breakthrough (ppmvd): | |
| Handling Method of Saturated Adsorbant: | Disposed of off-site |
| Method of Regeneration: | |

000000 CD54 (Adsorber) Print Date: 9/6/2024

| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | |
|---|-------------------|
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual inspection |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | Yes No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | Yes No |

| 50519 ERGON ASPHALT PARTNERS LP PCP000000 U1 OS162 (Efficiency Table - CD9) Print Date: 9/6/2024 | | | | |
|--|------------------------|------------------------|------------------------|--|
| Pollutant Category | Capture Efficiency (%) | Removal Efficiency (%) | Overall Efficiency (%) | |
| CO | | | | |
| HAP (Total) | | | | |
| NOx | | | | |
| Other (Total) | | | | |
| Pb ▼ | | | | |
| PM-10 ▼ | | | | |
| PM-2.5 ▼ | | | | |
| SO2 | | | | |
| TSP ▼ | | | | |
| VOC (Total) | | | | |

| 50519 ERGON ASPHALT PARTNERS LP PCP000000 U1 OS162 (Efficiency Table - CD42) Print Date: 9/6/2024 | | | | |
|---|----------|------------------------|------------------------|------------------------|
| Pollutant Category | | Capture Efficiency (%) | Removal Efficiency (%) | Overall Efficiency (%) |
| CO | ▼ | | | |
| HAP (Total) | ▼ | | | |
| NOx | ▼ | | | |
| Other (Total) | V | | | |
| Pb | ▼ | | | |
| PM-10 | ▼ | | | |
| PM-2.5 | ▼ | | | |
| SO2 | ▼ | | | |
| TSP | ▼ | | | |
| VOC (Total) | | | | |

| 50519 ERGON ASPHALT PARTNERS LP PCP000000 U1 OS162 (Efficiency Table - CD44) Print Date: 9/6/2024 | | | | |
|---|---|------------------------|------------------------|------------------------|
| Pollutant Category | | Capture Efficiency (%) | Removal Efficiency (%) | Overall Efficiency (%) |
| CO | ▼ | | | |
| HAP (Total) | ▼ | | | |
| NOx | ▼ | | | |
| Other (Total) | ▼ | | | |
| Pb | ▼ | | | |
| PM-10 | ▼ | | | |
| PM-2.5 | ▼ | | | |
| SO2 | ▼ | | | |
| TSP | ▼ | | | |
| VOC (Total) | ₹ | | | |

| 50519 ERGON ASPHALT PARTNERS LP PCP000000 U1 OS162 (Efficiency Table - CD5. Print Date: 9/6/2024 | | | | | | | | | | | | |
|---|----------|------------------------|------------------------|------------------------|--|--|--|--|--|--|--|--|
| Pollutant Category | | Capture Efficiency (%) | Removal Efficiency (%) | Overall Efficiency (%) | | | | | | | | |
| CO | ▼ | | | | | | | | | | | |
| HAP (Total) | ▼ | | | | | | | | | | | |
| NOx | ▼ | | | | | | | | | | | |
| Other (Total) | V | | | | | | | | | | | |
| Pb | ▼ | | | | | | | | | | | |
| PM-10 | ▼ | | | | | | | | | | | |
| PM-2.5 | ▼ | | | | | | | | | | | |
| SO2 | ▼ | | | | | | | | | | | |
| TSP | ▼ | | | | | | | | | | | |
| VOC (Total) | | | | | | | | | | | | |

| 50519 ERGON ASPHALT PARTNERS LP PCP000000 U1 OS162 (Efficiency Table - CD54 Print Date: 9/6/2024 | | | | | | | | | | | | |
|---|---|------------------------|------------------------|------------------------|--|--|--|--|--|--|--|--|
| Pollutant Category | | Capture Efficiency (%) | Removal Efficiency (%) | Overall Efficiency (%) | | | | | | | | |
| HAP (Total) | ▼ | | | | | | | | | | | |
| NOx | ▼ | | | | | | | | | | | |
| Other (Total) | ▼ | | | | | | | | | | | |
| Pb | | | | | | | | | | | | |
| PM-10 | ▼ | | | | | | | | | | | |
| PM-2.5 | ▼ | | | | | | | | | | | |
| SO2 | ▼ | | | | | | | | | | | |
| TSP | ▼ | | | | | | | | | | | |
| VOC (Total) | ▼ | | | | | | | | | | | |
| CO | ▼ | | | | | | | | | | | |



September 6, 2024

NJDEP - Air Quality Permitting and Planning Bureau of Stationary Sources Preconstruction Permits Section 401 E. State Street, 2nd floor, P.O. Box 420, Mail Code 401-02 Trenton, NJ 08625-0420

Re: Subchapter 8 Permit Modification

Ergon Asphalt Partners LP Gloucester City, NJ (Facility ID 50519)

Dear Sir/Madam,

This application is for a modification of Subchapter 8 permit (PCP230002) for our Gloucester City, New Jersey facility. Ergon Asphalt Partners LP (Ergon) operates a liquid asphalt cement terminal and storage facility in Gloucester City, New Jersey (Facility ID 50519). Incoming base asphalt is received by truck, ship or barge and stored in heated storage tanks at the facility. Depending upon the type of asphalt product desired, polymer materials and other additives may be blended with the base asphalt. Asphalt material is shipped from the terminal either via truck or barge.

Permit PCP230002 was for installation of a new storage tank, designated as Tank 162. Tank 162 will be used for storage of grades/types of asphalt that have processed on site by blending asphalt mix with various additives (primarily polymer) to create various grades/type of asphalt, depending upon the physical characteristics required. Tank 162 has not yet been installed.

After issuance of the permit, there were some modifications of the tank design, resulting in a larger diameter and larger capacity tank. This results in a slight increase in potential annual emission rates and maximum hourly emission rates from tank filling operations. There is no change in the maximum annual throughput, currently limited to 20 million gallons per year.

Total VOC emissions from the storage tank were estimated based on calculation methodology for storage tanks identified in AP-42 Section 7.1 "Organic Liquid Storage Tanks" revised March 2020. The revised potential annual VOC emissions from Tank 162 remain less than 5 tons per year. Thus, the proposed tank is not subject to the SOTA requirements.

HAP emissions were estimated based on speciation data for asphalt storage identified in Table 11.1-5 in AP-42 Section 11.1 "Hot Mix Asphalt Plants." Organic PAH/POM PM emissions were estimated at 2.08% of VOC emissions. The PAH/POM emissions are assumed to be controlled by at least 90% from the PMAC Demister (CD3), that is part of the odor control system for Emission Unit U1. The minimum 90% control is based on manufacturer's design specifications for demister system of approximately 99.7% removal.

Table 1 provides the backup revised calculations for the potential total VOC emissions from Tank 162. Table 2 provides a breakdown of the revised potential HAP emissions from Tank 162. Formaldehyde remains as the



only HAP emission that exceeds the reporting threshold rates identified in N.J.A.C. 7-27-17.9 at 5.85 pounds per year.

Maximum hourly TXS emission rates from Tank 162 were determined based on a maximum filling rate of 600 gallons per minute. As shown in Table 2, there are no TXS emissions over 0.01 lbs/hour.

The NJDEP Division of Air Quality Risk Screening Worksheet for Long-Term Carcinogenic and Non-carcinogenic Effects and Short-Term Effects was completed for the reportable formaldehyde emissions. The Risk Screening Worksheet only applies for a single stack. Therefore, the worksheet was completed assuming the emissions from Tank 162 were exhausted from a single stack.

Long-term incremental risk (IR) and hazard quotient (HQ) for formaldehyde were determined based on potential annual emissions from Tank 162. The IR was determined to be $6.7 \times 10-7$, below the Department's acceptable criteria of $1 \times 10-6$. Thus, the IR is within the Department's acceptable criteria of $1 \times 10-6$. The HQ is below 1, the Department's acceptable criteria for HQ.

Short-term hazard quotient (HQst) was determined for formaldehyde based on a maximum hourly emission rate from the maximum tank filling rate of 600 gallons per minute. The HQst is below 1, the Department's acceptable criteria for HQst.

The IR, HQ and the HQst for formaldehyde were determined to be below the Department's acceptable criteria. Therefore, the Risk Screening Worksheet (attached) demonstrates that the proposed HAP emissions from Tank 162 will result in negligible risk.

The New Source Performance Standards (NSPS) Subpart Kb establishes standards of performance for Volatile Organic Liquid Storage Vessels constructed, reconstructed, or modified after July 23, 1984. The provisions of 40 CFR 110b(b) exempts storage vessels storing liquids with a maximum true vapor pressure less than 3.5 kilopascals (kPa). The maximum estimated true vapor pressure for the materials stored in Tank 162 is less than 0.12 psia (< 0.83 kPa). Therefore, Tank 162 is not subject to the NSPS Subpart Kb requirements.

We would be pleased to answer any questions about the applications. Please contact me at (267) 460-8839 or Mr. Randall Abbuhl at Weston Solutions, Inc. at 732-417-5810. Also, we request the opportunity to discuss any permit conditions with you prior to their issuance.

Sincerely,

Ergon Asphalt Partners LP

Ronald Shiver

EHS Compliance Manager

cc: K. Hanson, Ergon

R. Abbuhl, Weston

TABLE 1 U1 OS10162 TANK 162 AIR EMISSION ESTIMATIONS (rev SEP 2024) ERGON ASPHALT PARTNERS LP GLOUCESTER CITY, NJ US EPA Formulas from AP-42*

U1, OS162

| | 01, 03102 |
|--|---|
| | |
| | |
| Tank Identification | Tank 162 |
| Contents of Tank | AC |
| Tank Type (Vertical or Horizontal) | Vertical |
| Heated (Yes or No) | Yes |
| | |
| Diameter, ft | 28.0 |
| Effective Diameter, ft | 28.0 |
| Shell Height or Length, ft | 40.0 |
| Nominal Capacity, gal | 168,000.0 |
| Geometric Capacity, gal | 175,035 |
| | |
| Max Permitted Throughput, gallons/yr | 20,000,000 |
| Average Liquid Height, ft (def. = Shell Height/2) | 29.00 |
| Maximum Liquid Height, ft (def. = Shell Height) | 38.0 |
| Roof Type (Cone or Dome) | Cone |
| Tank Roof Cone Slope, ft/ft (def. = 0.0625) | 0.0625 |
| Dome Tank Roof Radius, ft (def. = shell diameter) | N/A |
| Dome Tank Roof Height, ft | N/A |
| Roof Outage, ft | 0.292 |
| Vapor Space Outage, ft | 11.29 |
| Vapor Space Volume, ft^3 | 6953 |
| Daily Minimum Liquid Temperature, F | 300 |
| Daily Maximum Liquid Temperature, F | 410 |
| Daily Average Liquid Temperature, F | 355 |
| Daily Total Solar Insulation Factor, Btu/ft²/day | 1261 |
| Tank Paint Solar Absorbence, dimensionless | 0.250 |
| Daily Vapor Temperature Range, R | |
| | 0.0 |
| Daily Average Liquid Surf. Temperature, F | 355.0 |
| Daily Minimum Liquid Surf. Temperature, F | 300.0 |
| Daily Maximum Liquid Surf. Temperature, F | 410.0 |
| Liquid Bulk Temperature | 355.0 |
| Type of Substance (Organic or Petroleum) | ORGANIC |
| Vapor Molecular Weight, lb/lbmol | 105.0 |
| Antoine's Coefficient A | 75350.0600 |
| Antoine's Coefficient B | 9.0035 |
| Antoine's Coefficient C | 0.0000 |
| Vapor Pressure at Avg. Liq. Surf. Temp., psia | 0.03904 |
| Vapor Pressure at Min. Liquid Surf. Temp., psia | 0.0092 |
| Vapor Pressure at Max. Liquid Surf. Temp., psia | 0.1386 |
| Vapor Density, lb/ft^3 | 0.00047 |
| | |
| Daily Vapor Pressure range, psi | 0.1294 |
| Breather Vent Pressure Setting, psig (def. = 0.03) | *************************************** |
| Heated & Open Vent Tanks (Pbp = 0.0) | 0.0000 |
| Breather Vent Vacuum Setting, psig (def. = -0.03) Heated & | 0.0000 |
| | 0.0000 |
| Open Vent Tanks (Pbp = 0.0) | 0.0000 |
| Breather Vent Pressure Setting Range, psi | 0.0000 |
| Ambient Pressure, psia (def. = 14.7) | 14.7 |
| Vapor Space Expansion Factor | 0.0088 |
| Vented Vapor Saturation Factor | 0.977 |
| Maximum Fill Rate (gpm) | 600.0 |
| Annual Turnovers | 114.3 |
| | 0.43 |
| Turnover Factor | |
| Turnover Factor Working Loss Product Factor (def.=1) | 1.00 |
| Working Loss Product Factor (def.=1) | |
| Working Loss Product Factor (def.=1) Standing Storage Loss, Ibs/yr | 10.24 |
| Turnover Factor Working Loss Product Factor (def.=1) Standing Storage Loss, Ibs/yr Working Loss, Ibs/yr Total Losses, Ibs/yr | |

TABLE 2 TANK 162 HAP AIR EMISSION ESTIMATIONS (rev SEPTEMBER 2024) ERGON ASPHALT PARTNERS LP, GLOUCESTER CITY, NJ U1, OS162

| Speciation Profile for Asphalt Storage Tanks ¹ | 01, 05162 | Emissi | Subchapter 17 Reporting Threshold | |
|--|------------|----------|---|---------|
| | | lbs/year | lbs/hour (max) ² | lb/year |
| 2-Butanone | 0.039% | 0.33 | 0.0006 | ND |
| Benzene | 0.032% | 0.27 | 0.0005 | 6 |
| Bromomethane | 0.0049% | 0.04 | 0.0001 | 230 |
| Carbon Disulfide | 0.016% | 0.14 | 0.0002 | 2000 |
| Chloroethane | 0.004% | 0.03 | 0.0001 | 2000 |
| Chloromethane | 0.023% | 0.20 | 0.0003 | 25 |
| Ethylbenzene | 0.038% | 0.32 | 0.0006 | 19 |
| Formaldehyde | 0.69% | 5.85 | 0.0104 | 3.5 |
| Hexane | 0.10% | 0.85 | 0.0015 | ND |
| Isooctane | 0.000% | 0.00 | 0.0000 | 1000 |
| Methylene Chloride | 0.00027% | 0.00 | 0.0000 | 2000 |
| Styrene | 0.0054% | 0.05 | 0.0001 | 80 |
| Toluene | 0.062% | 0.53 | 0.0009 | 2000 |
| Xylene (m & p) | 0.20% | 1.70 | 0.0030 | 2000 |
| Xylene (o) | 0.057% | 0.48 | 0.0009 | 2000 |
| | Compound/ | | | |
| Federal HAPs - PAH ³ | Organic PM | | | |
| 2-Methylnaphthalene | 5.270% | 0.09 | 0.0795 | ND |
| Acenaphthene | 0.470% | 0.01 | 0.0071 | ND |
| Acenaphthylene | 0.014% | 0.000 | 0.0002 | ND |
| Anthracene | 0.130% | 0.00 | 0.0020 | ND |
| Benzo(a)anthracene | 0.056% | 0.00 | 0.0008 | 0.4 |
| Benzo(e)pyrene | 0.010% | 0.000 | 0.0001 | ND |
| Chrysene | 0.210% | 0.00 | 0.0032 | 2.0 |
| Fluoranthene | 0.150% | 0.00 | 0.0023 | ND |
| Fluorene | 1.010% | 0.02 | 0.0152 | ND |
| Naphthalene | 1.82% | 0.03 | 0.0274 | 1.4 |
| Perylene | 0.03% | 0.00 | 0.0005 | ND |
| Phenanthrene | 1.80% | 0.03 | 0.0271 | ND |
| Pyrene | 0.44% | 0.01 | 0.0066 | ND |
| Total POM | 11.41% | 0.20 | 0.1721 | 2.0 |

¹Speciation Profile based on Table 11.1-15, Hot Mix Asphalt Plants, Section 11.1, AP-42 Fifth Edition (Section 11 April 2004 update).

600 gpm maximum fill rate

20,000,000 gallons/year

556 hours/year filling

838 lbs/year VOC, working losses

1.51 lbs/hour VOC working losses

 $^{^2\}mbox{Hourly}$ emission rates based on maximum hourly filling rate of 600 gpm:

³Assumes Organic PM is 2.08% of Total VOC and controlled by 90% from demister

NJDEP DIVISION OF AIR QUALITY RISK SCREENING WORKSHEET

April 2023

Read the Instructions tab carefully before completing this spreadsheet

Date Facility ID No. Activity ID No. Facility name Facility location File name (.xls) Ergon Aphalt Partners LP

Emission Unit/Batch Process ID No. Emission Point ID No. Equipment ID No(s). Operating Scenario(s)

Stack height¹ Distance to property line Annual air impact value, C' 1-hour air impact value, C'_{st}

KEY:

ng-Term Effects

Q = Annual emission rate (in tons per year) contributed from

the source

C = C' x Q = Annual average ambient air concentration

C = C' x Q = Annual average ambient air concentration

URF = Unit risk factor (for carcinogenic risk)

IR = C x URF = Incremental risk (for carcinogen)

RfC = Reference concentration (for noncarcinogenic effects)

HQ = C/RC = Hazard quotient (for noncarcinogenic risk)

Rsit = The result of comparing the IR or HQ to the negligible threshold (FER if > threshold), Negl. if <= threshold)

FER = Further Evaluation Required (See Notes for thresholds)

Negl. = Negligible (See Notes for thresholds)

Short-Term Effects

 $\begin{aligned} &Q_h = \text{Hourly emission rate (in pounds per hour)} \\ &C_{st} = C_{st} \times Q_h = \text{Short-term average ambient air concentration} \\ &RfC_{st} = \text{Short-term reference concentration (for noncarcinogenic effects)} \end{aligned}$

 $\begin{aligned} & \textbf{HQ}_{at} = & \textit{Ag/RC}_{at} = & \textit{Hazard quotient for short-term noncarcinogenic effects} \\ & \textbf{Rslt} = & \textit{The result of comparing the HQ}_{at} \text{ to the negligible threshold (FER if > threshold, Negl. if <= threshold)} \\ & \textbf{FER} = & \textit{Further Evaluation Required (See Notes for thresholds)} \end{aligned}$

Negl. = Negligible (See Notes for thresholds)

¹ When evaluating risk for diesel engines, use the equivalent stack height consistent with the memo dated June 10, 2009. Click here to view the "Stack Height Equivalents for Use in First Level Screening Analyses for Diesel Engines" memo.

| | | | | | | LONG | DM FFFF | T.C | | | | | CHOPT | TERM | FFFCTC | |
|----------|-----|----------|--|----------|-----------|---------------------------------------|----------|--|--|----|----------|----------------|-----------------|------------------------------|------------------|-------------|
| | | | | Q | С | URF | RM EFFEC | | RfC | | 1 | Q _h | C _{st} | -TERM E RfC _{st} | | |
| | HAP | CAS No. | Air Toxic | (ton/yr) | | [(ug/m ³) ⁻¹] | IR | Rslt | (ug/m³) | HQ | Rslt | (lb/hr) | (uq/m³) | (ug/m³) | HQ _{st} | Rslt |
| 1 | * | 75070 | Acetaldehyde | (tonyyr) | (ug/iii) | 2.2E-06 | | | (ug/III) 9 | | | (10/111) | (uq/III) | 470 | | |
| 2 | * | | Acetamide | | | 2.0E-05 | | | | | | | | | | |
| 3 | | | Acetone | | | | | | 31000 | | | | | 62000 | | |
| 4 | | 75865 | Acetone cyanohydrin | | | | | | 2 | | | | | | | |
| 5 | * | | Acetonitrile | | | | | | 60 | | | | | | | |
| 6 | * | 98862 | Acetophenone | | | | | | 0.02 | | | | | | | |
| 7 | * | 53963 | Acetylaminofluorene (2-) | | | 1.3E-03 | | | 0.00 | | | | | 2.5 | | |
| 8 | * | | Acrolein | | | 1.05.04 | | | 0.02 | | | | | 2.5 | | |
| 9 10 | * | 79061 | Acrylamide Acrylic acid | | | 1.0E-04 | | | 6 1 | | | | | 6000 | | |
| 11 | * | 79107 | Acrylonitrile | | | 6.8E-05 | | | 1 2 | | | | | 6000 | | |
| 12 | | 309002 | | | | 4.9E-03 | | | | | | | | | | —— |
| 13 | * | | Allyl chloride | | | 6.0E-06 | | | 1 | | | | | | | |
| 14 | | | Aminoanthraquinone (2-) | | | 9.4E-06 | | | | | | | | | | |
| 15 | * | 92671 | Aminobiphenyl (4-) | | | 6.0E-03 | | | | | | | | | | |
| 16 | | 7664417 | Ammonia | | | | | | 100 | | | | | 3200 | | |
| 17 | * | | Aniline | | | 1.6E-06 | | | 1 | | | | | 3000 | | |
| 18 | * | | Anisidine (o-) | | | 4.0E-05 | | | | | | | | | | |
| 19 | ** | 1309644 | Antimony trioxide | | | | | | 0.2 | | | | | | | |
| 20 | | 140578 | Aramite | | | 7.1E-06 | | | | | | | | | | |
| 21 | * | | Arsenic (inorganic) | | | 4.3E-03 | | | 0.015 | | | | | 0.2 | | |
| 22 | ** | 7784421 | Arsine | | | | | | 0.05 | | | | | | | |
| 23 | * | 1332214 | Asbestos | | | 7.7E-03 | | | | | | | | | | |
| 24 | | | Azobenzene | | | 3.1E-05 | | | | | | | | | | <u> </u> |
| 25 | | | Barium | | | | | I | ļ | | . | | | 0.5 | | |
| 26 | * | | Benzene | | | 7.8E-06 | | | 3 | | 1 | | | 27 | | |
| 27 | ** | 92875 | | | | 6.7E-02 | | | 0.000 | | | | | | | <u> </u> |
| 28 29 | ** | 50328 | Benzo(a)pyrene Benzotrichloride | | | 6.0E-04 3.7E-03 | | | 0.002 | | | | | | | |
| | * | | | | | | | | | | | | | 240 | | |
| 30 31 | * | 10044/ | Benzyl chloride Beryllium | | | 4.9E-05 2.4E-03 | | | 0.02 | | 1 | | | 240 | | |
| 32 | * | 02524 | Biphenyl (1,1-) | | | 2.46-03 | | | 0.02 | | | | | | | —— |
| 33 | | | Bis(2-chloroisopropyl)ether | | | 1.0E-05 | | | 0.7 | | | | | | | |
| 34 | * | 117817 | Bis(2-ethylhexyl)phthalate | | | 2.4E-06 | | | | | | | | | | — |
| 35 | * | 542881 | Bis(chloromethyl)ether | | | 6.2E-02 | | | | | | | | | | — |
| 36 | | | Boron (elemental) | | | 0.22 02 | | | 20 | | | | | | | |
| 37 | | 7637072 | Boron trifluoride | | | | | | 0.7 | | | | | | | |
| 38 | | | Bromochloromethane | | | | | | 40 | | | | | | | |
| 39 | | | Bromodichloromethane | | | 3.7E-05 | | | | | | | | | | |
| 40 | * | 75252 | Bromoform | | | 1.1E-06 | | | | | | | | | | |
| 41 | | 106945 | Bromopropane (1-) | | | | | | 101 | | | | | 5030 | | |
| 42 | * | 106990 | Butadiene (1,3-) | | | 3.0E-05 | | | 2 | | | | | 660 | | |
| 43 | * | | Cadmium | | | 4.2E-03 | | | 0.02 | | | | | | | |
| 44 | | 105602 | Caprolactam | | | | | | 2.2 | | | | | 50 | | |
| 45 | * | 133062 | Captan | | | 6.6E-07 | | | | | | | | | | |
| 46 | | | Carbon disulfide | | | | | | 700 | | | | | 6200 | | |
| 47 | * | 56235 | Carbon tetrachloride | | | 6.0E-06 | | | 40 | | | | | 1900 | | |
| 48 | * | | Carbonyl sulfide | | | 1.05.04 | | | 10 | | | | | 660 | | |
| 49 50 | | | Chlorianted paraffing | | | 1.0E-04 | | | 0.02 | | | | | | | |
| 50 | * | 7782505 | Chlorinated paraffins | | | 2.0E-05 | | | 0.2 | | 1 | | | 210 | | |
| 52 | | | Chlorine dioxide | | | | | 1 | 0.2 | | 1 | | | 210 | | |
| 53 | | 75683 | Chloro-1,1-difluoroethane (1-) (HCFC-142b) | | | | | | 50000 | | | | | 20 | | |
| 54 | * | 532274 | Chloroacetophenone (2-) | | | | | | 0.03 | | | | | | | |
| 55 | * | | Chlorobenzene | | | | | | 1000 | | | | | | | |
| 56 | * | | Chlorobenzilate | | | 3.1E-05 | | | 1000 | | | | | | | |
| 57 | | | Chlorodifluoromethane (HCFC-22) | | | 5.22 05 | | | 50000 | | | | | | | |
| 58 | * | | Chloroform | | | 2.3E-05 | | | 300 | | | | | 150 | | |
| 59 | * | 107302 | Chloromethyl methyl ether | | | 6.9E-04 | | | | | | | | | | |
| 60 | i | 95830 | Chloro-o-phenylenediamine (4-) | | | 4.6E-06 | | | | | | | | | | |
| 61 | 1 | 95692 | Chloro-o-toluidine (p-) | | | 7.7E-05 | | | | | | | | | | |
| 62 | 1 | 76062 | Chloropicrin | | | | | | 0.4 | | | | | 29 | | |
| 63 | * | 126998 | Chloroprene | | | 5.0E-04 | | | 20 | | | | | | | |
| 64 | | 75296 | Chloropropane (2-) | | | | | | 100 | | | | | | | |
| 65 | ** | | Chromic acid mists (Cr VI) | | | | | | 0.008 | | | | | | | |
| 66 | ** | 18540299 | Chromium VI (total) | | | 1.2E-02 | | | | | | | | | | |
| 67 | ** | | Chromium VI dissolved aerosols | | | | | | 0.008 | | | | | | | <u> </u> |
| 68 | ** | | Chromium VI particulates | | | | | | 0.1 | | | | | | | <u> </u> |
| 69 | * | | Cobalt | | | 7.7E-03 | | | 0.006 | | . | | | | | |
| 70 | * | 8007452 | Coke oven emissions | | | 6.2E-04 | | ! | <u> </u> | | 1 | | | 10- | | |
| 71 | | 120710 | Copper | | | 4.25.05 | | | - | | | | | 100 | | |
| 72 | * | 120718 | Cresidine (p-) | | | 4.3E-05 | | | 600 | | | | | | | |
| 73 74 | | 00000 | Cresol mixtures Cumene | | - | | | - | 600 400 | | 1 | | | | | |
| 75 | | 125206 | Cupferron | | | 6.3E-05 | | 1 | 400 | | 1 | | | | | |
| 76 | | | Cyclohexane | | | 0.32-05 | | | | | | | | 6000 | | |
| | | | | | — | 9.7E-05 | | | ! | - | 1 | | | 0000 | | |
| 77 | * | 72559 | DDF | | | | | | | | | | | | | |

| 70 | | 50202 | lant. | | | 0.75.05 | | | | | | | | | | |
|--|---|--|--|---------|--|--|---------|------------------|--|------------|--|---------|---------|---|---------|-------|
| 78 79 | | 50293 615054 | Diaminoanisole (2,4-) | | | 9.7E-05 6.6E-06 | | | | | | | | | | |
| 80 | | 124481 | Dibromochloromethane | | | 2.7E-05 | | | | | | | | | | |
| 81 | * | 96128 | Dibromo-3-chloropropane (1,2-) | | | 2.0E-03 | | | 0.2 | | | | | | | |
| 82 83 | - | | Dichloro-2-butene (1,4-) Dichlorobenzene (1,2-) | | | 4.2E-03 | | | 200 | | | | | | | |
| 84 | * | 106467 | Dichlorobenzene (1,4-) | | | 1.1E-05 | | | 800 | | | | | | | |
| 85 86 | * | | Dichlorobenzidine (3,3'-) Dichlorodifluoromethane | | | 3.4E-04 | | | 100 | | | | | | | |
| 87 | * | | Dichloroethyl ether | | | 3.3E-04 | | | 100 | | | | | | | |
| 88 | * | | Dichloropropene (1,3-) | | | 4.0E-06 | | | 20 | | | | | | | |
| 89 90 | * | | Dichlorvos Dicyclopentadiene | | | 8.3E-05 | | | 0.5 | | | | | | | |
| 91 | | | Dieldrin | | | 4.6E-03 | | | 0.5 | | | | | | | |
| 92 | * | 444400 | Diesel particulate matter | | | 3.0E-04 | | | 5 | | | | | | | |
| 93 94 | * | | Diethanolamine Diethylene glycol monobutyl ether | | | | | | 0.1 | | | | | | | |
| 95 | | 75376 | Difluoroethane (1,1-) | | | | | | 40000 | | | | | | | |
| 96 97 | * | | | | | 4.0E-03 1.3E-03 | | | | | | | | | | |
| 98 | * | 79447 | | | | 3.7E-03 | | | | | | | | | | |
| 99 | * | 68122 | Dimethylformamide (N,N-) | | | | | | 30 | | | | | | | |
| 100 101 | * | 57147 540738 | Dimethylhydrazine (1,1-) Dimethylhydrazine (1,2-) | | | 1.6E-01 | | | 0.002 | | | | | | | |
| 102 | * | | | | | 8.9E-05 | | | | | | | | | | |
| 103 | * | 123911 | | | | 5.0E-06 | | | 30 | | | | | 3000 | | |
| 104 105 | * | 122667 | Dioxin Diphenylhydrazine (1,2-) | | l | 2.2E-04 | | | See ro | otnote "a" | l . | | | | | |
| 106 | * | 106898 | Epichlorohydrin | | | 1.2E-06 | | | 1 | | | | | 1300 | | |
| 107 108 | * | 106887 140885 | Epoxybutane (1,2-) Ethyl acrylate | | | | | | 20 | | | | | | | |
| 109 | * | | | | | 2.5E-06 | | | | | | | | 1000 | | |
| 110 | * | 51796 | Ethyl carbamate | | | 2.9E-04 | | | | | | | | | | |
| 111 112 | * | 75003 106934 | | | 1 | 6.0E-04 | | | 0.8 | | | | | 10000 | | |
| 113 | * | 107062 | Ethylene dichloride | | | 2.6E-05 | | | 400 | | | | | | | |
| 114 | * | | | | | | | | 400 | | | | | 4700 | | |
| 115 116 | ** | 111762 110805 | | | | | | | 82 200 | | | | | 4700 370 | | |
| 117 | ** | 111159 | Ethylene glycol monoethyl ether acetate | | | | | | 300 | | | | | 140 | | |
| 118 119 | ** | | | | | | | $\vdash \exists$ | 20 90 | | \vdash | | | 93 | | |
| 120 | * | 75218 | | | | 5.0E-03 | | | 30 | | 1 | | | 42 | | |
| 121 | * | 96457 | Ethylene thiourea | | | 1.3E-05 | | | | | | | | | | |
| 122 123 | * | 151564 75343 | | | | 1.9E-02 1.6E-06 | | | 500 | | | | | | | |
| 124 | | 16984488 | | | | 1.02 00 | | | 13 | | | | | | | |
| 125 | * | | | 2.9E-03 | 5.2E-02 | 1.3E-05 | 6.7E-07 | Negl. | 9 | 5.8E-03 | Negl. | 1.0E-02 | 18.2403 | 55 | 3.3E-01 | Negl. |
| 126 127 | | 98011 | Furfural Gasoline vapors | | | 1.0E-06 | | | 50 15 | | | | | | | |
| 128 | | 111308 | Glutaraldehyde | | | 1.02 00 | | | 0.08 | | | | | 4.1 | | |
| 129 | | 765344 | | | | 1 25 02 | | | 1 | | | | | | | |
| 130 131 | * | | | | | 1.3E-03 2.6E-03 | | | | | | | | | | |
| 132 | * | | Hexachlorobenzene | | | | | | | | | | | | | |
| | | | | | | 4.6E-04 | | | | | | | | | | |
| 133 | * | 87683 | Hexachlorobutadiene | | | 2.2E-05 | | | | | | | | | | |
| 134 | * ** | 87683 319846 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) | | | 2.2E-05 1.8E-03 | | | | | | | | | | |
| 134 135 136 | ** | 87683 319846 319857 58899 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 | | | | | | | | | | |
| 134 135 136 137 | ** | 87683 319846 319857 58899 608731 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) | | | 2.2E-05 1.8E-03 5.3E-04 | | | 0.2 | | | | | | | |
| 134 135 136 | ** ** ** | 87683 319846 319857 58899 608731 77474 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclopexane | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 | | | 0.2 | | | | | | | |
| 134 135 136 137 138 139 140 | ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorochexane (technical grade) Hexachlorochexane (technical grade) | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 | | | 30 | | | | | | | |
| 134 135 136 137 138 139 140 141 | ** ** ** | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 | | | 30 0.03 | | | | | 0.3 | | |
| 134 135 136 137 138 139 140 141 142 143 | ** ** * * * * * * * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorochlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 | | | | | 0.3 | | |
| 134 135 136 137 138 139 140 141 142 143 144 | ** ** * * * * * * * * * * * * * * * * * | 87633 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorochlorexo-p-dioxin, mixture Hexachlorochlorochlorocyclopentadiene Hexachlorochlor | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 | | | | | 10 | | |
| 134 135 136 137 138 139 140 141 142 143 | ** ** * * * * * * * * * * * * * * * * * | 87633 319846 319857 58899 608731 77474 19408743 67721 822060 1110543 302012 10034932 7647010 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocytlopentadiene | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 | | | | | | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 | ** * * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexa | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 | | | | | 2100 340 240 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 | ** * * * * * * * * * * * * | 87633 319846 319857 58899 608731 77474 1340873 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783075 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorodibenzo-p-dioxin, mixture Hexachlorodibenzo-p-dioxin, mixture Hexachlorodenane Hexamethylene diisocyanate Hexane (N-) Hydrazine Hydrazine sulfate Hydrogen cyanide Hydrogen cyanide Hydrogen fluoride Hydrogen fluoride Hydrogen selenide | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 20 0.8 | | | | | 2100 340 240 5 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 | ** * * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783075 7783075 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexane (technical grade) Hexachlorocytlohexa | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 20 0.8 | | | | | 2100 340 240 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 | ** * * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 1003493 7647010 74908 7664393 7783075 7783075 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorodelmenzo-p-dioxin, mixture Hexachlorodelmenzo-p-dioxin, mixture Hexachlorodelmenzo-p-dioxin, mixture Hexachlorodelmane Hexamethylene diisocyanate Hexamethylene diisocyanate Hexamethylene diisocyanate Hexamethylene diisocyanate Hydragien sulfate Hydragen chloride Hydrogen sulfate Hydrogen selenide Hydrogen sulfide Isophorone Isophorone | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 | | | 30 0.03 700 0.2 20 0.8 14 | | | | | 10 2100 340 240 5 98 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 | ** * * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783075 7783064 78591 67630 | Hexachlorobutadiene Hexachlorocytohexane (alpha-) Hexachlorocytohexane (beta-) Hexachlorocytohexane (beta-) Hexachlorocytohexane (tehnical grade) Hexachlorocthane Hexanethylene diisocyanate Hexanethylene diisocyanate Hexane (N-) Hydrazine Hydrazine Hydrazine sulfate Hydrogen chloride Hydrogen chloride Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 | | | | | 10 2100 340 240 5 98 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 152 153 | ** ** * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783075 7783064 78591 67630 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hydrogen cylopentadiene Hydrogen cylopentadiene Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 | | | 30 0.03 7000 0.2 20 0.8 14 2 2000 | | | | | 10 2100 340 240 5 98 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 150 151 152 153 154 | ** ** ** ** * * * * * * * * | 87633 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 1003492 7647010 74908 7664393 7783075 7783064 78591 67630 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hexachlorocytlopentadiene Hydragen cyanide Hydrogen cyanide Hydrogen sulfide Isophorone Isophorone Isophorone Isophorone Isophorone Isophorone Maleic anhydride Manganese Mercury (elemental) | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 | | | 30 0.03 7000 0.2 20 0.8 14 2 2000 0.7 0.7 0.05 | | | | | 10 2100 340 240 5 98 3200 0.1 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 152 153 | ** ** * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783064 78591 67630 108316 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hydrogen cylopentadiene Hydrogen cylopentadiene Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 | | | 30 0.03 7000 0.2 20 0.8 14 2 2000 | | | | | 10 2100 340 240 5 98 3200 0.1 | | |
| 134 135 136 137 138 140 141 142 143 144 145 146 147 150 151 152 153 154 155 156 157 | ** ** * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 76643931 7783075 7783064 78591 67630 108316 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorochlorache Hexachlorochlorache Hexachlorochlorache Hexachlorochlorache Hexane (N-) Hydrazine Hydrazine Hydrazine Hydrogen chloride Hydrogen chloride Hydrogen selenide Hydrogen sulfide Isophorone Isopoponol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacol (inorganic) Methanol Methanol | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 | ** ** * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783075 7783064 108316 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hydrogen chloride Hydrogen cyloride Hydrogen cyloride Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacylonitrile Methanol Methyl promide | | | 2.2E-05 1.8E-03 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.7 4000 5 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 | | |
| 134 135 136 137 138 140 141 142 143 144 145 146 147 150 151 152 153 154 155 156 157 158 159 160 | ** ** * * * * * * * * * * * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783074 78591 67630 108316 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorodelmace Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Heydrogen cylopentadiene Hydrogen cylopentadiene Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacrylonitrile Methanol Methyl bromide Methyl chloride Methyl chloroform | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.7 4000 5 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 28000 31000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 157 158 159 160 161 | ## ## ## ## ## ## ## ## ## ## ## ## ## | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783074 78591 67630 108316 | Hexachlorobutadiene Hexachlorocytohexane (alpha-) Hexachlorocytohexane (beta-) Hexachlorocytohexane (peta-) Hexachlorocytohexane (peta-) Hexachlorocytohexane (gamma-) Hexachlorocytohexane (technical grade) Hexachlorocytohexane (technical grade) Hexachlorocytohexane (technical grade) Hexachlorocytohexane (technical grade) Hexachlorocytopentadiene Hexachlorocytopentadiene Hexachlorochane Hexachlorochane Hexachlorochane Hexachlorochane Hexachlorochane Hexachlorochane Hexachlorochane Hydrogen cylanide Hydrogen cylanide Hydrogen cylanide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Mertury (inorganic) Methacrylonitrile Methanol Methyl bromide Methyl chloroform Methyl fetone | | | 2.2E-05 1.8E-03 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 300 0.033 7000 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.03 0.07 4000 5 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 28000 31000 9000 13000 | | |
| 134 135 137 138 139 140 141 142 143 144 145 147 148 150 151 152 153 154 155 156 157 158 159 160 161 161 162 | ## ## ## ## ## ## ## ## ## ## ## ## ## | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 7047010 74908 7647010 74908 7664393 7783054 78591 67630 108316 7439976 116987 67561 74839 74839 74873 71556 78933 1108101 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorochlohexane (technical grade) Hexachlorochlohexane (beta-lexachlorochlorocyclopentadiene Hexachlorochlorochlorocyclopentadiene Hexachlorochlorochlorocyclopentadiene Hexachlorochlorochlorocyclopentadiene Hexachlorochlorochlorocyclopentadiene Hexachlorochlorochlorocyclopentadiene Hexachlorochlorochlorocyclopentadiene Hydrogen sulfide Hydrogen sulfide Hydrogen sulfide Hydrogen sulfide Hydrogen sulfide Isophorone Isophorone Isophorone Isophorone Isophorone Melsic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacylonitrile Methyl chloroform Methyl chloride Methyl chloroform Methyl ethyl ketone Methyl stelone Methyl stelone Methyl stelone Methyl stelone Methyl stelone | | | 2.2E-05 1.8E-03 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.7 4000 5 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 28000 31000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 151 151 152 153 154 155 156 157 158 159 160 161 162 163 164 | *** ** ** ** ** ** ** ** ** ** ** ** ** | 87683 319846 319857 58899 608731 77474 19408743 302012 10034932 7647010 74908 7664393 7783075 7783064 78591 108316 7439976 126987 7439976 126987 748393 748393 188101 624839 80626 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorochloracene Hydrogen culforde Hydrogen sulfide Hydroge | | | 2.2E-05 1.8E-03 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.03 0.07 4000 900 1000 5000 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 28000 31000 9000 13000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 152 153 154 155 156 157 159 160 161 162 162 163 | *** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 749908 7664393 7783075 7783064 108316 108316 7439976 126987 67561 174839 74873 17556 78933 108101 624839 80626 25013154 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hydrogen chloride Hydrogen cyanide Hydrogen cyanide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacytonitrile Methapl with with the selection of the | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.2E-05 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 0.7 4000 5000 5000 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 28000 31000 9000 13000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 150 151 152 153 154 155 157 158 159 160 161 162 163 164 165 165 165 | *** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783074 78591 67630 108316 108316 7439976 126987 67561 74839 74873 771556 78933 108101 624839 80626 25013154 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorochloracene Hydrogen culforde Hydrogen sulfide Hydroge | | | 2.2E-05 1.8E-03 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 | | | 30 0.03 700 0.2 20 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.7 4000 5000 1000 1000 1000 1000 1000 1000 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 28000 31000 9000 13000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 150 151 152 153 154 155 157 158 159 160 161 162 165 165 165 165 165 | *** *** ** ** ** ** ** ** ** ** ** ** * | 87683 319846 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783074 78591 67630 108316 108404 108872 108104 108872 108104 108872 108114 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexachlorocyclohexachlorocyclohexachlorocyclohexachlorocyclohexachlorocyclohexachlorocyclohexachlorocyclohexane Hexachlorocyclohexane Hexachlorocyclohexane Hexachlorocyclohe | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 4.9E-03 4.9E-03 1.2E-05 | | | 300 300 0.03 700 0.22 200 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.7 4000 1 | | | | | 100 21000 340 5 5 988 3200 0.1 0.17 0.6 28000 31000 13000 3000 | | |
| 134 135 136 137 138 139 139 140 141 142 143 144 145 146 147 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 165 166 167 168 168 168 168 | *** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 7647010 74908 7664393 7783054 78591 67630 108316 7439976 116987 7439976 126987 7783064 78591 108101 644839 80626 25013154 168101 624839 80626 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorochlohexane (technical grade) Hexachlorochlorene Hexachlorochlorene Hexachlorochlorene Hexachlorochlorene Hexane (N-) Hydrazine Hydrazine Hydrazine Hydrazine Hydrogen chloride Hydrogen selienide Hydrogen fluoride Hydrogen selienide Hydrogen selienide Hydrogen selienide Hydrogen fluoride Hydrogen selienide Hydrogen selienide Hydrogen selienide Hydrogen fluoride Hydrogen selienide Hydrogen suffide Isophorone Isophor | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 4.9E-03 4.9E-03 1.8E-06 | | | 300 0.03 700 0.22 200 0.8 14 2 2000 0.7 0.05 0.3 0.3 0.03 0.7 4000 5000 1000 40 40 3000 3000 600 | | | | | 10 2100 340 240 5 98 3200 0.1 0.17 0.6 28000 31000 9000 13000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 150 151 152 153 154 155 157 158 159 160 161 162 165 165 165 165 165 | *** *** ** ** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783075 7783064 108316 108316 108316 24839 67561 74839 74873 71556 78933 108101 624839 80626 25013154 1634044 108872 101144 75092 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hydrogen chloride Hydrogen chloride Hydrogen chloride Hydrogen selenide Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacylonitrile Methanol Methyl chloride Methyl chloride Methyl stopromide Methyl stopromide Methyl stopromide Methyl stopromide Methyl stopromate Methyl stopromate Methyl stopromate Methyl sterolexane Methyl set butyl ether Methylene bis(2-chloroanilline) (4,4*) Methylene chloride | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 4.9E-03 4.9E-03 1.2E-05 | | | 300 300 0.03 700 0.22 200 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.7 4000 1 | | | | | 100 21000 340 5 5 988 3200 0.1 0.17 0.6 28000 31000 13000 3000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 162 162 163 164 165 166 167 168 169 171 172 173 | *** *** *** *** ** ** ** ** ** | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783076 108316 108316 7439976 126987 67551 74839 74873 778575 789333 108101 624839 80666 25013154 1634044 108872 101144 175092 101779 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (exhicial grade) Hexachlorocyclohexane (exhicial grade) Hexachlorocyclopentadiene Hexachlorodelinera-p-dioxin, mixture Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hydragien sulfate Hydrogen chloride Hydrogen cyanide Hydrogen cyanide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen sulfde Isophorone Isopropanol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methary (elemental) Methyl bromide Methyl chloride Methyl shoroform Methyl setone Methyl socyanate Methylene bis(2-chloroaniline) (4,4-) Methylenediphenyl disocyanate (4,4-) | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 4.9E-03 1.2E-05 1.8E-06 1.8E-06 1.8E-06 | | | 300 300 0.03 700 0.22 20 0.8 14 22 2000 0.7 4000 500 500 500 500 600 600 600 | | | | | 10 21000 3400 5 98 32000 0.1 0.17 0.6 280000 31000 31000 3000 3000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 166 167 168 169 169 170 171 172 173 | *** *** ** ** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783076 108316 108316 7439976 126987 67551 74839 74873 778575 789333 108101 624839 80666 25013154 1634044 108872 101144 175092 101779 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane Hexthyl chorode Hethyl ethol ethorocyclohexane Hethyl etholoride Hethyl ethol ethorocyclohexane Hethyl etholoride Hethyl etholoride Hethyl ethyl ethorocyclohexane Hethyl etholoride Hethyl ethyl ethorocyclohexane Hethyl ethyl ethorocyclohexane Hethyl etholoride Hethylene chloride Hethylenedphenyl dilsocyanate (4,4°-) | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 4.9E-03 4.9E-03 1.8E-06 2.6E-07 4.3E-04 4.3E-04 4.3E-04 4.3E-04 | | | 300 300 300 300 300 300 300 300 | | | | | 10 21000 3400 5 98 32000 0.1 0.17 0.6 280000 31000 31000 3000 3000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 162 162 163 164 165 166 167 168 169 171 172 173 | *** *** ** ** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 7047010 74908 7664393 7783054 78591 67630 108316 7439976 11598 7439976 126987 78591 126987 67561 126987 1269887 1269887 1269887 1269887 1269888 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (Hexachlorocyclohexane (Hexachlorocyclohexane (Hexachlorocyclohexane) Hexachlorocyclohexane Hexachlorocyclohexane Hexachlorocyclohexane Hexachlorocyclohexane Hexachlorocyclohexane Hexachlorocyclohexane Hexachlorocyclohexane Hydragen sulfate Hydrogen chloride Hydrogen fluoride Hydrogen fluoride Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic antydride Manganese Mercury (relemental) Mercury (inorganic) Methacylonitrile Methanol Methyl bromide Methyl chloride Methyl chloroform Methyl chloroform Methyl ethyl ketone Methyl socyanate Methyl styrene (mixed isomers) Methyl styrene (mixed isomers) Methyl ethyl wether Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (5,4) Michael Services (4,4) Michael Services (4,4) Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (5,4) Michael Services (4,4) Michael Services (4,4) Michael Services (4,4) Methylenedianiline (4,4-) Methylenedianiline (4,4-) Methylenedianiline (5,4) Michael Services (4,4) Michael Servic | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 4.9E-03 1.2E-05 1.8E-06 1.8E-06 1.8E-06 | | | 30 30 0.03 700 0.22 200 0.8 14 2 2000 0.7 0.05 0.3 0.03 0.7 4000 1000 5000 40 3000 3000 6000 20 11 | | | | | 10 21000 3400 5 98 32000 0.1 0.17 0.6 280000 31000 31000 3000 3000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 151 152 153 154 155 156 167 161 162 163 164 165 166 167 168 168 169 170 171 172 175 175 175 175 175 175 175 175 175 175 | *** *** ** ** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 7647010 74908 7664393 7783064 785931 67630 1108316 7439976 126987 7439976 126987 7439976 126987 1269887 1269887 1269887 1269887 1269887 12698887 12698887 12698888 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane) Hexachlorochane Hydrogen chloride Hydrogen chloride Hydrogen chloride Hydrogen selenide Hydrogen sulfide Isophorone Isophorone Isophorone Isophorone Isophorone Isophorone Isophorone Melacl canhydride Manganese Mercury (elemental) Mercury (inorganic) Methacrylonitrile Methanol Methyl bromide Methyl bromide Methyl chlorofde Methyl chlorofde Methyl chloroform Methyl ethyl ketone Methyl styrene (mixed Isomers) Methyl tethyl ketone Methyl styrene (mixed Isomers) Methyl tethyl ether Methyl ethyl ethoride Methylene bis(2-chloroaniline) (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (5,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (5,4*) Methylenedianiline (6,4*) Mickel and compounds | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 4.9E-03 4.9E-03 1.2E-05 1.8E-06 1.8E-06 1.8E-06 | | | 300 0.03 700 0.22 2000 0.22 2000 0.7 0.05 0.33 0.03 0.07 4000 5000 400 3000 20 0.02 24 3 | | | | | 10 21000 3400 5 98 32000 0.1 0.17 0.6 280000 31000 31000 3000 3000 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 150 151 152 153 154 157 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 | *** *** ** ** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 7647010 74908 7664393 7783064 785931 67630 1108316 7439976 126987 7439976 126987 7439976 126987 1269887 1269887 1269887 1269887 1269887 12698887 12698887 12698888 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hydragien cylinde Hydragien cylinde Hydrogen chloride Hydrogen cylinde Hydrogen cylinde Hydrogen selenide Maleic antydride Maleic antydride Maleic antydride Maleic antydride Maleic antydride Methaprojenitile Methaprojenitile Methaprojenitile Methaprojenitile Methyl chloride Methyl chloride Methyl selone Methyl isocyanate Methyl methacrylate Methyl isocyanate Methyl tert bulyl ether Methylene bis(2-chloroaniline) (4,4°-) Methylene chloride Methylenedianiline (4,4°-) Methylenedianiline (4,4°-) Methylenedianiline (4,4°-) Methylenedianiline Michler's ketone Michler's ketone Michler's ketone Michler's ketone Mickel oxide | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.2E-05 1.2E-05 1.8E-06 | | | 300 0.03 700 0.22 20 0.8 14 2000 0.7 0.03 0.3 0.03 0.7 4000 5000 3000 3000 3000 600 600 0.02 | | | | | 2100 2100 340 240 5 5 8 3200 0.1 0.17 0.6 28000 31000 9000 13000 14000 12 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 151 152 153 154 155 156 167 161 162 163 164 165 166 167 168 168 169 170 171 172 175 175 175 175 175 175 175 175 175 175 | *** *** ** ** ** ** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 302012 10034932 7647010 74908 7664393 7783075 7783064 78591 67630 108316 674091 674091 108972 101144 75092 101779 101688 60344 90948 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane) Hexachlorochane Hydrogen chloride Hydrogen chloride Hydrogen chloride Hydrogen selenide Hydrogen sulfide Isophorone Isophorone Isophorone Isophorone Isophorone Isophorone Isophorone Melacl canhydride Manganese Mercury (elemental) Mercury (inorganic) Methacrylonitrile Methanol Methyl bromide Methyl bromide Methyl chlorofde Methyl chlorofde Methyl chloroform Methyl ethyl ketone Methyl styrene (mixed Isomers) Methyl tethyl ketone Methyl styrene (mixed Isomers) Methyl tethyl ether Methyl ethyl ethoride Methylene bis(2-chloroaniline) (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (5,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (4,4*) Methylenedianiline (5,4*) Methylenedianiline (6,4*) Mickel and compounds | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.1E-05 1.2E-05 1.8E-06 1.8E-06 1.8E-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 3.4-06 | | | 300 0.03 700 0.22 2000 0.22 2000 0.7 0.05 0.33 0.03 0.07 4000 5000 400 3000 20 0.02 24 3 | | | | | 2100 2100 340 240 5 5 8 3200 0.1 0.17 0.6 28000 31000 9000 13000 3000 14000 12 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 152 153 154 155 156 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 177 177 178 179 180 181 | *** *** *** *** *** *** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 110034932 7647010 74908 7664393 7783074 78591 67630 108316 1439976 126987 67561 744399 74873 71556 78933 108101 624839 80626 25013154 1034044 108872 101144 75092 1011779 101688 60344 90948 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hydrogen cyloride Hydrogen cyloride Hydrogen cyloride Hydrogen cyloride Hydrogen selenide Hydrogen sulfide Isophorone Isophorone Isophorone Isophorone Isophorone Medicyclopanol Lead Maleic anlydride Maleic anlydride Manganese Mercury (elemental) Mercury (elemental) Mercury (inorganic) Methacylonthile Methanol Methyl chloride Methyl chloride Methyl sobutyl ketone Methyl isobutyl ketone Methyl isobutyl ketone Methyl isobutyl ketone Methyl isobutyl ketone Methyl tert butyl ether Methylene isig-2-chloroaniline) (4,4*-) Methylenediphenyl diisocyanate (4,4*-) Methyl | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.2E-05 1.2E-05 1.8E-06 | | | 300 300 300 300 300 300 300 300 | | | | | 21000 3400 2400 2404 5 98 32000 0.1.7 0.6 280000 31000 31000 13000 14000 12 | | |
| 134 135 136 137 138 139 139 140 141 142 145 146 147 151 152 151 152 153 154 155 156 166 167 168 169 161 162 163 164 165 166 167 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 186 187 187 188 188 189 189 189 189 189 189 189 189 | *** *** *** *** ** ** ** ** ** ** ** ** | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 7647010 74908 7664393 7783075 7783064 78591 67630 108316 7439976 116987 7439976 126987 78591 108101 624839 80626 25013154 1634044 108872 101144 75092 101179 101688 60344 90948 | Hexachloroputadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane) Hexachlorocythane Hydrogen cyanide Hydrogen chloride Hydrogen fluoride Hydrogen fluoride Hydrogen selenide Hydrogen sulfide Isophorone Isophorone Isophorone Isophorone Maelic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacylonitrile Methyl chloride Methyl chloride Methyl chloride Methyl chloride Methyl chloride Methyl chloroform Methyl ethyl ketone Methyl styrene (mixed isomers) Methyl terb butyl ether Methyl cyclohexane Methylene bis(2-chloroanliine) (4,4*-) Methyldrazine Michier's ketone Methylenedianline (4,4-) Methyldrazine Mickel and compounds Nickel and compounds Nickel and compounds Nickel subsulfide Nitric acid | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-06 1.2E-06 1.2E-06 2.6E-07 4.3E-04 1.3E-08 4.6E-04 2.4E-04 2.4E-04 | | | 300 0.03 700 0.22 2000 0.22 2000 0.7 0.05 0.3 0.03 0.7 4000 5000 1000 3000 20 1000 20 1000 20 20 20 20 20 20 20 20 20 20 20 20 | | | | | 2100 2100 340 240 5 5 8 3200 0.1 0.17 0.6 28000 31000 9000 13000 3000 14000 12 | | |
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| 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 150 151 152 153 154 157 151 152 153 164 166 167 168 169 171 172 173 174 175 176 177 177 178 179 180 181 181 181 183 184 | *** *** *** *** ** ** ** ** ** ** ** ** | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783076 108316 108316 7439976 126987 67551 74839 74873 74873 108101 624839 80626 25013154 1634044 108872 101144 175092 101779 101688 60344 90948 91203 1313991 12035722 7697372 88744 98953 79469 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (echnical grade) Hexachlorocyclohexane (echnical grade) Hexachlorocyclopentadiene Hexachlorodelineare-p-dioxin, mixture Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexane (N-) Hydrazine Hydrazine Hydrazine Hydrazine sulfate Hydrogen claride Hydrogen cyanide Hydrogen cyanide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Mydrogen selenide Mydrogen selenide Hydrogen selenide Hydrogen selenide Methydrogen s | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.1E-05 1.2E-05 1.8E-06 1.8E-06 1.8E-06 4.9E-03 4.9E-03 4.9E-03 4.9E-03 4.9E-04 4.8E-04 4.8E-04 4.0E-05 2.7E-03 | | | 300 0.03 700 0.22 2000 0.22 2000 0.7 0.05 0.3 0.03 0.7 4000 5000 1000 3000 20 1000 20 1000 20 20 20 20 20 20 20 20 20 20 20 20 | | | | | 21000 3400 2400 2404 5 98 32000 0.1.7 0.6 280000 31000 31000 13000 14000 12 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 166 167 168 169 170 171 172 173 174 177 178 179 180 181 177 177 178 182 182 182 | *** *** *** *** *** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 302012 10034932 7647010 74908 7664393 7783075 7783064 78591 108316 7439976 126967 126967 126967 126967 12697372 88744 98953 79469 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclopentadiene Hexachlorochlorexane Hexachlorochlorochlorexane Hexachloroc | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.3E+00 1.1E-05 4.9E-03 4.9E-03 1.8E-06 1.8E-06 1.8E-06 4.3E-04 4.8E-04 4.8E-04 4.8E-04 4.8E-04 4.8E-04 | | | 300 0.03 700 0.22 2000 0.22 2000 0.7 0.05 0.3 0.03 0.7 4000 40 40 3000 3000 20 10.02 24 33 0.02 24 33 0.02 20 0.02 | | | | | 21000 3400 2400 2404 5 98 32000 0.1.7 0.6 280000 31000 31000 13000 14000 12 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 151 152 153 154 155 156 160 161 162 163 164 165 166 167 168 170 171 172 173 174 175 176 177 177 178 179 180 181 182 183 184 185 186 187 188 188 188 188 | *** *** *** *** *** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 110543 302012 10034932 7647010 74908 7664393 7783075 7783064 78591 108316 108316 126987 67561 74839 74873 74873 74873 108101 624839 80626 25013154 1634044 108872 101144 75092 101779 101688 60344 90948 91203 1313991 12035722 7697372 88744 98953 79469 55185 62759 994163 | Hexachlorobutadiene Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (technical grade) Hexachlorocyclohexane (Hexachlorocyclohexane (Hexachlorocyclohexane (Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexane (N-) Hydrazine Hydrazine Hydrazine Hydrazine Hydrazine Hydrazine Hydrogen chloride Hydrogen cyanide Hydrogen cyanide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Hydrogen selenide Maleica anthydride Manganese Mercury (elemental) Mercury (inorganic) Methacylonitrile Methanol Methyl chloride Methyl chloride Methyl sobutyl ketone Methyl selenical sobustyl Methylene bis(2-chloroanilline) (4,4*) Methylene diploride Methylene diploride Methylene diploride Methylene diploride Methylene diploride Michler's ketone Mineral fibers (<1% fee silica) Naphthalene Nickel subsuffide Nickel sobustifide Nickel sobustifide Nickel sobustifide Nictoraolinine (0-) Nitrosodien-bylamine (N-) Nitrosodien-bylamine (N-) | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.1E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.3E-06 1.3E-0 | | | 300 0.03 700 0.22 2000 0.22 2000 0.7 0.05 0.3 0.03 0.7 4000 40 40 3000 3000 20 10.02 24 33 0.02 24 33 0.02 20 0.02 | | | | | 21000 3400 2400 2404 5 98 32000 0.1.7 0.6 280000 31000 31000 13000 14000 12 | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 151 152 153 154 166 167 168 169 171 172 173 174 175 177 177 178 179 179 179 179 179 179 179 179 179 179 | *** *** *** *** *** ** ** ** ** ** ** * | 87683 319846 319857 58899 608731 77474 19408743 67721 822060 110543 302012 10034932 7647010 74908 7664393 7783054 78591 67630 108316 7439976 116987 7439976 116987 74591 101688 108316 108317 108316 108317 1 | Hexachloroputadeine Hexachlorocyclohexane (alpha-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (beta-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (gamma-) Hexachlorocyclohexane (ekenical grade) Hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocyclohexane (hexachlorocytane Hexachlorocytane Hydrogen chloride Hydrogen chloride Hydrogen fluoride Hydrogen fluoride Hydrogen fluoride Hydrogen selenide Hydrogen sulfide Isophorone Isopropanol Lead Maleic anhydride Manganese Mercury (elemental) Mercury (inorganic) Methacylonitrile Methyl bromide Methyl bromide Methyl thoride Methyl chloride Methyl chloroform Methyl ethyl ketone Methyl socyanate Methyl socyanate Methyl styrene (mixed isomers) Methyl styrene (mixed isomers) Methyl styrene (mixed isomers) Methyl styrene (mixed isoners) Methyl ethoride Methylenedianline (4,4-) Methylinydrazine Michier's ketone Michier's ketone Micher's ke | | | 2.2E-05 1.8E-03 5.3E-04 3.1E-04 5.1E-04 1.1E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-05 1.2E-04 1.2E-05 4.3E-04 4.3E-04 4.3E-04 4.3E-04 4.3E-04 4.3E-04 4.3E-04 4.3E-04 4.3E-04 | | | 300 0.03 700 0.22 2000 0.22 2000 0.7 0.05 0.3 0.03 0.7 4000 40 40 3000 3000 20 10.02 24 33 0.02 24 33 0.02 20 0.02 | | | | | 21000 3400 2400 2404 5 98 32000 0.1.7 0.6 280000 31000 31000 13000 14000 12 | | |

| 191 | 191 | | 156105 | Nitrocodinhon damino (n.) | | 6.3E-06 | - | | | | | | |
|--|-----|-----|---------|-------------------------------------|----------|----------|---|---------|--|---|--|--------|------|
| 1935 7 1989 Winconcomposition (%) 1.85 co. | | | | | | | | - | | | | | |
| 156 777-03 | | | | | | | | | | | | | |
| 150 | | * | | | | | | | | | | | |
| 1507 | 194 | | 759739 | Nitroso-n-ethylurea (N-) | | 7.7E-03 | | | | | | | |
| 1305 100754 Nervosepretidine (Pr) | 195 | * | 684935 | Nitroso-n-methylurea (N-) | | 3.4E-02 | | | | | | | |
| 1375 | 196 | | | | | 2.7E-03 | | | | | | | |
| 1980 * 37960 Petrashrouphend 5.16-66 200 596 | | | | | | | | | | | | | |
| 1995 Principles | | * | | | | | | | | | | | |
| 200 * 7980512 Programs | | * | | | - | 3.1L-00 | | 200 | | | - | EOUU | |
| 200 * 765932 Prosphore | | | | | | | | | | | - | | |
| 200 * 7664032 Prospherus (orbits) 0.07 | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | 70 | |
| 1,000 1,00 | | | | | | | | | | | | | |
| 1335G3 Newtoninated tephenic (CRS) 1,06-04 | 203 | * | | Phosphorus (white) | | | | 0.07 | | | | | |
| 1335363 Psychological bytempts (PCBs) 1.06.04 | 204 | * | 85449 | Phthalic anhydride | | | | 20 | | | | | |
| Polycyclic graphs rate (PMH) | 205 | * | 1336363 | Polychlorinated biphenyls (PCBs) | | 1.0E-04 | | | | | | | |
| Polycyte cognaic matter (2008) | | * | | | | | | | | | | | |
| 200 | | * | | | | | | See for | otnote "b" | | | | |
| 200 | | | | | | 1 /E-0/ | 1 | | | | 1 1 | | |
| 221 12388 (Projection (Stephen 10,000 10 | | | | | _ | | - | - | - | | - | | |
| 211 * 12338 Propinse | | | | | | | | _ | | | | | |
| 1212 | | | | | | 4.0E-03 | | | . | | | | |
| 213 * 78875 Propylere glorid momenthyl ether 3.7-06 30 31000 31000 31000 31000 31000 31000 31000 31000 31000 31000 31000 31000 | | * | | | | | | 8 | | | | | |
| 1 | | | | | | | | | | | | | |
| 215 | | * | | | | 1.0E-05 | | | | | I | | |
| 215 * 75569 Propylene oxide 3.7E-06 30 3100 | 214 | | | | | | | 2000 | | | | | |
| 216 ** Selenium and compounds 20 | 215 | * | | | | 3.7F-06 | | 30 | | | | 3100 | |
| 17 | | ** | . 5505 | | | 2.72 00 | 1 | | | | 1 | | |
| 218 | | | 7621960 | | | | | | | | | | |
| 220 x 96093 Syrene 5.7E-07 1000 21000 21000 22000 2200 2201 | | | | | | | | | | | - | - | |
| 220 * 96933 Syraen oxide | | | | | | 5 75 07 | | 4000 | | | | 34,000 | |
| Suffee | | * | | | | | | 1000 | | | | 21000 | |
| 1 | | * | | | | 4.6E-05 | | | | | | | |
| 223 *** 2699798 Suffuryl fluoride | | | | | | | | | | | | | |
| 224 * 1746016 Tetrachfordibenzo/pidiosin (2,37,8-) 3.8E+01 0.00004 | 222 | | 7664939 | Sulfuric acid | | | | 1 | | | | 120 | |
| 224 * 1746016 Tetrachforofibenzo/pdioxin (2,37,8-) 3.8E+01 0.00004 | 223 | *** | 2699798 | Sulfuryl fluoride | | | | 150 | | | | 4170 | |
| 225 G30206 Tetrachforechane (1,11,12-) 7,46-06 | 224 | * | | | | 3.8F+01 | | 0.00004 | | | | | |
| 226 * 73345 Tetrachlorethylene 6.1E-06 40 40 40 228 8 11972 Tetrafluorethylene 6.1E-06 40 40 40 228 8 11972 Tetrafluorethylene 6.1E-06 40 40 40 229 109995 Tetrafluorethylene 2000 200 | | | | | | | | | | | | | |
| 127184 Tetrachloroethylene 6.1E-06 40 40 228 8181972 Tetrahydrofuran 2000 | | * | | | | | | | - | | - | | |
| Section Sect | | * | | | - | | | 40 | - | | - | 40 | |
| 10999 Tetrahydrofuran | | | | | | 0.1E-06 | | | | _ | | 40 | |
| 230 62555 Thioacetamide 1.7E-03 | | | | | | | | | | | | | |
| 231 * 7550450 Titanium tetrachloride | | | | | | | | 2000 | | | | | |
| 232 * 108883 Toluene | | | | | | 1.7E-03 | | | | | | | |
| 233 * S84849 Toluene diisocyanate (2,4-) | 231 | * | 7550450 | Titanium tetrachloride | | | | 0.1 | | | | | |
| 234 * 26471625 Toluene diisocyanate (2,472,6c) 1.1E-05 0.02 0.07 235 * 91087 Toluene diisocyanate (2,6c) 1.1E-05 0.02 0.07 236 * 95807 Toluene-2,4-diamine 1.1E-03 0.02 0.07 237 * 95534 Toludine (0-) 1.1E-05 0.02 0.07 238 8001352 Toxaphene 1.2,2-trifluoroethane (1,1,2c) 0.07 239 76131 Trichloro-1,2,2-trifluoroethane (1,1,2c) 0.00 0.00 240 * 120821 Trichloroethane (1,1,2c) 0.00 0.00 241 * 79005 Trichloroethane (1,1,2c) 0.00 0.00 242 * 79015 Trichloroethane (1,1,2c) 0.00 0.00 243 75694 Trichloroethane (1,1,2c) 0.00 0.00 244 * 88062 Trichloroethane 0.00 0.00 245 * 121448 Trichloroethane 0.00 0.00 246 * 1582098 Trifluralin 0.00 0.00 247 248 95536 Trimethylbenzene (1,2,3-) 0.00 0.00 248 95536 Trimethylbenzene (1,2,4-) 0.00 0.00 249 1.08678 Trimethylbenzene (1,2,4-) 0.00 0.00 250 25551137 Trimethylbenzene (1,2,3-1,2,4-1,3,5-) 0.00 0.00 251 7440622 Vanadium 0.11 0.08 253 * 108054 Vinyl acetate 0.00 0.00 255 75014 Vinyl choide 0.00 255 75014 Vinyl choide 0.00 0.00 255 75014 Vinyl choide 0.00 0.00 255 75014 Vinyl choide 0.00 256 255 75014 Vinyl choide 0.00 0.00 250 255 7 | 232 | * | 108883 | Toluene | | | | 420 | | | | 5000 | |
| 234 * 26471625 Toluene diisocyanate (2,472,6c) 1.1E-05 0.02 0.07 235 * 91087 Toluene diisocyanate (2,6c) 1.1E-05 0.02 0.07 236 * 95807 Toluene-2,4-diamine 1.1E-03 0.02 0.07 237 * 95534 Toludine (0-) 1.1E-05 0.02 0.07 238 8001352 Toxaphene 1.2,2-trifluoroethane (1,1,2c) 0.07 239 76131 Trichloro-1,2,2-trifluoroethane (1,1,2c) 0.00 0.00 240 * 120821 Trichloroethane (1,1,2c) 0.00 0.00 241 * 79005 Trichloroethane (1,1,2c) 0.00 0.00 242 * 79015 Trichloroethane (1,1,2c) 0.00 0.00 243 75694 Trichloroethane (1,1,2c) 0.00 0.00 244 * 88062 Trichloroethane 0.00 0.00 245 * 121448 Trichloroethane 0.00 0.00 246 * 1582098 Trifluralin 0.00 0.00 247 248 95536 Trimethylbenzene (1,2,3-) 0.00 0.00 248 95536 Trimethylbenzene (1,2,4-) 0.00 0.00 249 1.08678 Trimethylbenzene (1,2,4-) 0.00 0.00 250 25551137 Trimethylbenzene (1,2,3-1,2,4-1,3,5-) 0.00 0.00 251 7440622 Vanadium 0.11 0.08 253 * 108054 Vinyl acetate 0.00 0.00 255 75014 Vinyl choide 0.00 255 75014 Vinyl choide 0.00 0.00 255 75014 Vinyl choide 0.00 0.00 255 75014 Vinyl choide 0.00 256 255 75014 Vinyl choide 0.00 0.00 250 255 7 | 233 | * | 584849 | Toluene diisocvanate (2,4-) | | 1.1E-05 | | 0.02 | | | | 0.07 | |
| 235 * 91087 Toluene discoyanate (2,6-) 1.1E-05 0.02 0.07 | | * | | | | | | | | | 1 1 | | |
| 236 * 95807 Toluene-2,4-diamine | | * | | | | | | | \vdash | | | | |
| 237 * 95534 Totudine (o-) | | | | | 1 | | | 0.02 | | _ | + | 0.07 | |
| 238 * 8001352 Toxaphene | | | | | 1 | | | | \vdash | | ├ | | |
| Trichloros Tri | | | | | | | | _ | | | \longmapsto | | |
| 240 * 120821 Trichlorobenzene (1,2,4-) | | * | | | | 3.2E-04 | | | L | | | | |
| 241 * 79005 Trichloroethane (1,1,2-) 1.6E-05 200 242 * 79016 Trichloroethylene 4.8E-06 2 2 2 2 2 2 2 2 2 | | | | | | | | 30000 | | | | | |
| 242 * 79016 Trichlorothylene 4.8E-06 2 2 2 243 75694 Trichlorothylene 700 3.1E-06 700 3.1E-06 1 244 * 88062 Trichlorophenol (2,4,6-) 3.1E-06 0 2 245 * 121448 Triethylamine 7 2800 2 246 * 1582098 Trifhuralin 2.2E-06 0 0 247 526738 Trimethylbenzene (1,2,3-) 60 0 0 0 0 248 95030 Trimethylbenzene (1,2,4-) 60 | | * | | | | | | 2 | | | | | |
| 243 7594 Trichlorofuormethane 700 244 * 88062 Trichlorophenol (2,4,6-) 3.1E-06 245 * 121448 Triethylamine 7 246 * 1582098 Trifluralin 2.2E-06 247 \$2,6738 Trimethylbenzene (1,2,3-) 60 248 95636 Trimethylbenzene (1,2,4-) 60 249 108678 Trimethylbenzene (1,2,5-) 60 250 25551137 Trimethylbenzene (1,2,3-/1,2,4-/1,3,5-) 60 251 7440622 Vanadium 0.1 252 1314621 Vanadium pentoxide 0.1 253 * 108054 Viryal acetate 200 254 939002 Viryal bromide 3.2E-05 3 255 75014 Viryl chloride 8.8E-06 100 | | * | | | | | | | | | | 200 | |
| 243 7594 Trichlorofuormethane 700 244 * 88062 Trichlorophenol (2,4,6-) 3.1E-06 245 * 121448 Triethylamine 7 246 * 1582098 Trifluralin 2.2E-06 247 \$2,6738 Trimethylbenzene (1,2,3-) 60 248 95636 Trimethylbenzene (1,2,4-) 60 249 108678 Trimethylbenzene (1,2,5-) 60 250 25551137 Trimethylbenzene (1,2,3-/1,2,4-/1,3,5-) 60 251 7440622 Vanadium 0.1 252 1314621 Vanadium pentoxide 0.1 253 * 108054 Viryal acetate 200 254 939002 Viryal bromide 3.2E-05 3 255 75014 Viryl chloride 8.8E-06 100 | 242 | * | 79016 | Trichloroethylene | | 4.8E-06 | i | 2 | | | 1 | 2 | |
| 244 * 88062 Trichlorophenol (2,4,6-) | 243 | | 75694 | Trichlorofluoromethane | | | i | 700 | | | | | |
| 245 * 121448 Trieth/Jamine | | * | | | | 3.1F-06 | | 1 | | | 1 1 | | |
| 246 * 1582098 Triffuralin | | * | | | | 3.11 00 | | 7 | \vdash | | | 2800 | |
| 247 \$26738 Trimethylbenzene (1,2,3-) 60 248 95636 Trimethylbenzene (1,2,4-) 60 249 108678 Trimethylbenzene (1,3,5-) 60 250 25551137 Trimethylbenzene (1,2,3-/1,2,4-/1,3,5-) 60 251 7440622 Vanadium 0.1 252 1314621 Vanadium pentoxide 30 253 * 108054 Vinyl acetate 200 254 * 593620 Vinyl bromide 3.2E-05 3 255 * 75014 Vinyl chloride 8.8E-06 100 180000 | | * | | | 1 | ין אב חב | | + ' | | _ | + | 2000 | |
| 248 9536 Trimethylbenzene (1,2,4+) 60 249 108678 Trimethylbenzene (1,3,5-) 60 250 25551137 Trimethylbenzene (1,2,3-/12,4-/1,3,5-) 60 251 7440622 Vanadium 0.1 252 13114621 Vanadium pentoxide 30 253 * 108054 Viryl acetate 200 254 * 93062 Viryl bromide 3.2E-05 3 255 * 75014 Viryl chloride 8.8E-06 100 180000 | | - | | | | 2.2E-06 | | | \vdash | - | | | |
| 249 108678 Trimethylbenzene (1,3,5-) 60 | | | | | | | | | | | \longmapsto | | |
| 250 25551137 Trimethylbenzene (1,2,3-/1,2,4-/1,3,5-) 60 60 60 60 60 60 60 | | | | | | | | | | | | | |
| 251 7440522 Vanadium 0.1 0.8 | | | | | | | | | | | | | |
| 251 7440622 Vanadium 0.1 0.8 | | | | | | | | | T | | T | | |
| 252 1314621 Vanadium pentoxide 30 253 * 108054 Vinyl acetate 200 254 * 593602 Vinyl bromide 3.2E-05 255 * 75014 Vinyl chloride 8.8E-06 100 180000 | 251 | | | | | | | 0.1 | | | | 0.8 | |
| 253 * 108054 Vinyl acetate 200 254 * 59362 Vinyl bromide 3.2E-05 3 255 * 75014 Vinyl chloride 8.8E-06 100 180000 | 252 | | | | | | i | | | | | 30 | |
| 254 * 593602 Vinyl bromide 3.2E-05 3 1 255 * 75014 Vinyl chloride 8.8E-06 100 180000 | | * | | | | | | 200 | | | | | |
| 255 * 75014 Vinyl chloride 8.8E-06 100 180000 | | * | | | | 3 2F_05 | | | \vdash | | | | |
| | | | | | 1 | | | , | | _ | +-+ | 190000 | |
| 1 / 25 1 * 1 / 25241 VIDVII GENE CRIOTO E 1 / UU 1 / UU | | | | | | 0.8E-U6 | | | | | - | 100000 | |
| | | | | | | | | | . | | \vdash | 2205- | |
| 257 * Xylene (m-,o-,p-, or mixed isomers) 100 22000 | 257 | * | | Ayiene (m-,o-,p-, or mixed isomers) | | | | 100 | | | 1 | 22000 | |

If any calculated long-term or short-term effects for an air toxic result in "Further Evaluation Required" (FER) on this Risk Screening Worksheet, a Refined Risk Assessment is required for that air toxic.

NOTE:

- ** ***
- Clean Air Act hazardous air pollutant
 Clean Air Act hazardous air pollutant, but not listed individually (part of a group)
 In addition to the Federally listed HAPs, the Department proposes to regulate hydrogen sulfide (H2S), 1-Bromopropane (1-BP), otherwise known as n-propyl bromide (n-PB), and sulfuryl fluoride, as State-specific hazardous air pollutants
- Dioxins may be considered to be all 2,3,7,8-tetrachlorodibenzo(p)dioxin), or separated into congeners (contact AQEv). PAH or POM may be considered to be all benzo(a)pyrene, or separated into individual PAHs (contact AQEv).

The results are determined by comparing the long-term and short-term effects to the single-source thresholds, listed below. The threshold value of negligible risk for incremental risk (IR) is 1 in a million (1.0E-06). An IR value less than or equal to 1 in million is considered negligible. The threshold value of negligible risk for long-term hazard quotient (HQ) for non-carcinogenic risk is 1.0. An HQ less than or equal to 1.0 is considered negligible. The threshold value of negligible risk for short-term hazard quotient (HQ $_{ob}$) for non-carcinogenic risk is 1.0. An HQ $_{ob}$ less than or equal to 1.0 is considered negligible.