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Abbreviations

AUC = area under curve

MOE = margin of exposure

PF = glove protection factor

POD = point of departure

PPE = personal protective equipment

SA = surface area

| Life cycle stage/ category | Exposure level / PPE | Exposure scenario |
|---------------------------------------|-----------------------------|--------------------------|
| 1 - MFG | central gloves PF 20 | bulk containers |
| 1 - MFG | high-end gloves PF 20 | drums |
| 1 - MFG | central gloves PF 10 | bulk containers |
| 1 - MFG | high-end gloves PF 10 | drums |
| 1 - MFG | central gloves PF 5 | bulk containers |
| 1 - MFG | high-end gloves PF 5 | drums |
| 1 - MFG | central PF 1 | bulk containers |
| 1 - MFG | high-end PF 1 | drums |
| 1 - MFG | what-if gloves PF 20 | bulk containers |
| 1 - MFG | what-if gloves PF 20 | drums |
| 1 - MFG | what-if gloves PF 10 | bulk containers |
| 1 - MFG | what-if gloves PF 10 | drums |
| 1 - MFG | what-if gloves PF 5 | bulk containers |
| 1 - MFG | what-if gloves PF 5 | drums |
| 1 - MFG | what-if PF 1 | bulk containers |
| 1 - MFG | what-if PF 1 | drums |
| 2 - import | central gloves PF 20 | bulk containers |
| 2 - import | high-end gloves PF 20 | drums |
| 2 - import | central gloves PF 10 | bulk containers |
| 2 - import | high-end gloves PF 10 | drums |
| 2 - import | central gloves PF 5 | bulk containers |
| 2 - import | high-end gloves PF 5 | drums |
| 2 - import | central PF 1 | bulk containers |
| 2 - import | high-end PF 1 | drums |
| 2 - import | what-if gloves PF 20 | bulk containers |
| 2 - import | what-if gloves PF 20 | drums |
| 2 - import | what-if gloves PF 10 | bulk containers |
| 2 - import | what-if gloves PF 10 | drums |
| 2 - import | what-if gloves PF 5 | bulk containers |
| 2 - import | what-if gloves PF 5 | drums |
| 2 - import | what-if PF 1 | bulk containers |
| 2 - import | what-if PF 1 | drums |
| 3 - Chemical processing | central gloves PF 20 | drums |
| 3 - Chemical processing | high-end gloves PF 20 | drums |
| 3 - Chemical processing | central gloves PF 10 | drums |
| 3 - Chemical processing | high-end gloves PF 10 | drums |

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| 3 - Chemical processing | central gloves PF 5 | drums |
| 3 - Chemical processing | high-end gloves PF 5 | drums |
| 3 - Chemical processing | central PF 1 | drums |
| 3 - Chemical processing | high-end PF 1 | drums |
| 3 - Chemical processing | what-if gloves PF 20 | drums |
| 3 - Chemical processing | what-if gloves PF 20 | drums |
| 3 - Chemical processing | what-if gloves PF 10 | drums |
| 3 - Chemical processing | what-if gloves PF 10 | drums |
| 3 - Chemical processing | what-if gloves PF 5 | drums |
| 3 - Chemical processing | what-if gloves PF 5 | drums |
| 3 - Chemical processing | what-if PF 1 | drums |
| 3 - Chemical processing | what-if PF 1 | drums |
| 4 - Formulation | central gloves PF 20 | drums - liquid NMP |
| 4 - Formulation | High-end gloves PF 20 | drums - liquid NMP |
| 4 - Formulation | central gloves PF 10 | drums - liquid NMP |
| 4 - Formulation | high-end gloves PF 10 | drums - liquid NMP |
| 4 - Formulation | central gloves PF 5 | drums - liquid NMP |
| 4 - Formulation | high-end gloves PF 5 | drums - liquid NMP |
| 4 - Formulation | central PF 1 | drums - liquid NMP |
| 4 - Formulation | high-end PF 1 | drums - liquid NMP |
| 4 - Formulation | central gloves PF 20 | misc - liquid NMP |
| 4 - Formulation | High-end gloves PF 20 | misc - liquid NMP |
| 4 - Formulation | central gloves PF 10 | misc - liquid NMP |
| 4 - Formulation | high-end gloves PF 10 | misc - liquid NMP |
| 4 - Formulation | central gloves PF 5 | misc - liquid NMP |
| 4 - Formulation | high-end gloves PF 5 | misc - liquid NMP |
| 4 - Formulation | central PF 1 | misc - liquid NMP |
| 4 - Formulation | high-end PF 1 | misc - liquid NMP |
| 4 - Formulation | what-if gloves PF 20 | drums - liquid NMP |
| 4 - Formulation | what-if gloves PF 20 | drums - liquid NMP |
| 4 - Formulation | what-if gloves PF 10 | drums - liquid NMP |
| 4 - Formulation | what-if gloves PF 10 | drums - liquid NMP |
| 4 - Formulation | what-if gloves PF 5 | drums - liquid NMP |
| 4 - Formulation | what-if gloves PF 5 | drums - liquid NMP |
| 4 - Formulation | what-if PF 1 | drums - liquid NMP |

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| 4 - Formulation | what-if PF 1 | drums - liquid NMP |
| 5 - coatings | central gloves PF 20 | spray application |
| 5 - coatings | high-end gloves PF 20 | spray application |
| 5 - coatings | central gloves PF 10 | spray application |
| 5 - coatings | high-end gloves PF 10 | spray application |
| 5 - coatings | central gloves PF 5 | spray application |
| 5 - coatings | high-end gloves PF 5 | spray application |
| 5 - coatings | central PF 1 | spray application |
| 5 - coatings | high-end PF 1 | spray application |
| 5 - coatings | central gloves PF 20 | roll / curtain |
| 5 - coatings | high-end gloves PF 20 | roll / curtain |
| 5 - coatings | central gloves PF 10 | roll / curtain |
| 5 - coatings | high-end gloves PF 10 | roll / curtain |
| 5 - coatings | central gloves PF 5 | roll / curtain |
| 5 - coatings | high-end gloves PF 5 | roll / curtain |
| 5 - coatings | central PF 1 | roll / curtain |
| 5 - coatings | high-end PF 1 | roll / curtain |
| 5 - coatings | central gloves PF 20 | dip |
| 5 - coatings | high-end gloves PF 20 | dip |
| 5 - coatings | central gloves PF 10 | dip |
| 5 - coatings | high-end gloves PF 10 | dip |
| 5 - coatings | central gloves PF 5 | dip |
| 5 - coatings | high-end gloves PF 5 | dip |
| 5 - coatings | central PF 1 | dip |
| 5 - coatings | high-end PF 1 | dip |
| 5 - coatings | central gloves PF 20 | brush |
| 5 - coatings | high-end gloves PF 20 | brush |
| 5 - coatings | central gloves PF 10 | brush |
| 5 - coatings | high-end gloves PF 10 | brush |
| 5 - coatings | central gloves PF 5 | brush |
| 5 - coatings | high-end gloves PF 5 | brush |
| 5 - coatings | central PF 1 | brush |
| 5 - coatings | high-end PF 1 | brush |
| 6 - printing / writing | central gloves PF 20 | printing |
| 6 - printing / writing | high-end gloves PF 20 | printing |
| 6 - printing / writing | central gloves PF 10 | printing |
| 6 - printing / writing | high-end gloves PF 10 | printing |
| 6 - printing / writing | central gloves PF 5 | printing |
| 6 - printing / writing | high-end gloves PF 5 | printing |
| 6 - printing / writing | central PF 1 | printing |

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| 6 - printing / writing | high-end PF 1 | printing |
| 6 - printing / writing | what-if gloves PF 20 | printing |
| 6 - printing / writing | what-if gloves PF 20 | printing |
| 6 - printing / writing | what-if gloves PF 10 | printing |
| 6 - printing / writing | what-if gloves PF 10 | printing |
| 6 - printing / writing | what-if gloves PF 5 | printing |
| 6 - printing / writing | what-if gloves PF 5 | printing |
| 6 - printing / writing | what-if PF 1 | printing |
| 6 - printing / writing | what-if PF 1 | printing |
| 6 - printing / writing | central gloves PF 5 | writing |
| 6 - printing / writing | high-end gloves PF 5 | writing |
| 6 - printing / writing | central PF 1 | writing |
| 6 - printing / writing | high-end PF 1 | writing |
| 7 - metal finishing | central gloves PF 20 | spray application |
| 7 - metal finishing | high-end gloves PF 20 | spray application |
| 7 - metal finishing | central gloves PF 10 | spray application |
| 7 - metal finishing | high-end gloves PF 10 | spray application |
| 7 - metal finishing | central gloves PF 5 | spray application |
| 7 - metal finishing | high-end gloves PF 5 | spray application |
| 7 - metal finishing | central PF 1 | spray application |
| 7 - metal finishing | high-end PF 1 | spray application |
| 7 - metal finishing | central gloves PF 20 | dip |
| 7 - metal finishing | high-end gloves PF 20 | dip |
| 7 - metal finishing | central gloves PF 10 | dip |
| 7 - metal finishing | high-end gloves PF 10 | dip |
| 7 - metal finishing | central gloves PF 5 | dip |
| 7 - metal finishing | high-end gloves PF 5 | dip |
| 7 - metal finishing | central PF 1 | dip |
| 7 - metal finishing | high-end PF 1 | dip |
| 7 - metal finishing | central gloves PF 20 | brush |
| 7 - metal finishing | high-end gloves PF 20 | brush |
| 7 - metal finishing | central gloves PF 10 | brush |
| 7 - metal finishing | high-end gloves PF 10 | brush |
| 7 - metal finishing | central gloves PF 5 | brush |
| 7 - metal finishing | high-end gloves PF 5 | brush |

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| 7 - metal finishing | central PF 1 | brush |
| 7 - metal finishing | high-end PF 1 | brush |
| 8 - paint and coating removal | central gloves PF 20 | misc removal |
| 8 - paint and coating removal | high-end gloves PF 20 | misc removal |
| 8 - paint and coating removal | central gloves PF 10 | misc removal |
| 8 - paint and coating removal | high-end gloves PF 10 | misc removal |
| 8 - paint and coating removal | central gloves PF 5 | misc removal |
| 8 - paint and coating removal | high-end gloves PF 5 | misc removal |
| 8 - paint and coating removal | central PF 1 | misc removal |
| 8 - paint and coating removal | high-end PF 1 | misc removal |
| 8 - paint and coating removal | what-if gloves PF 20 | misc removal |
| 8 - paint and coating removal | what-if gloves PF 20 | misc removal |
| 8 - paint and coating removal | what-if gloves PF 10 | misc removal |
| 8 - paint and coating removal | what-if gloves PF 10 | misc removal |
| 8 - paint and coating removal | what-if gloves PF 5 | misc removal |
| 8 - paint and coating removal | what-if gloves PF 5 | misc removal |
| 8 - paint and coating removal | what-if PF 1 | misc removal |
| 8 - paint and coating removal | what-if PF 1 | misc removal |
| 8 - paint and coating removal | central gloves PF 20 | graffiti removal |
| 8 - paint and coating removal | high-end gloves PF 20 | graffiti removal |
| 8 - paint and coating removal | central gloves PF 10 | graffiti removal |
| 8 - paint and coating removal | high-end gloves PF 10 | graffiti removal |
| 8 - paint and coating removal | central gloves PF 5 | graffiti removal |
| 8 - paint and coating removal | high-end gloves PF 5 | graffiti removal |
| 8 - paint and coating removal | central PF 1 | graffiti removal |

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| 8 - paint and coating removal | high-end PF 1 | graffiti removal |
| 9 - cleaning | central gloves PF 20 | Dip Cleaning |
| 9 - cleaning | high-end gloves PF 20 | Dip Cleaning |
| 9 - cleaning | central gloves PF 10 | Dip Cleaning |
| 9 - cleaning | high-end gloves PF 10 | Dip Cleaning |
| 9 - cleaning | central gloves PF 5 | Dip Cleaning |
| 9 - cleaning | high-end gloves PF 5 | Dip Cleaning |
| 9 - cleaning | central PF 1 | Dip Cleaning |
| 9 - cleaning | high-end PF 1 | Dip Cleaning |
| 9 - cleaning | central gloves PF 20 | Spray / Wipe Cleaning |
| 9 - cleaning | high-end gloves PF 20 | Spray / Wipe Cleaning |
| 9 - cleaning | central gloves PF 10 | Spray / Wipe Cleaning |
| 9 - cleaning | high-end gloves PF 10 | Spray / Wipe Cleaning |
| 9 - cleaning | central gloves PF 5 | Spray / Wipe Cleaning |
| 9 - cleaning | high-end gloves PF 5 | Spray / Wipe Cleaning |
| 9 - cleaning | central PF 1 | Spray / Wipe Cleaning |
| 9 - cleaning | high-end PF 1 | Spray / Wipe Cleaning |
| 10 - auto | central gloves PF 20 | Aerosol Degreasing |
| 10 - auto | high-end gloves PF 20 | Aerosol Degreasing |
| 10 - auto | central gloves PF 10 | Aerosol Degreasing |
| 10 - auto | high-end gloves PF 10 | Aerosol Degreasing |
| 10 - auto | central gloves PF 5 | Aerosol Degreasing |
| 10 - auto | high-end gloves PF 5 | Aerosol Degreasing |
| 10 - auto | central PF 1 | Aerosol Degreasing |
| 10 - auto | high-end PF 1 | Aerosol Degreasing |
| 10 - auto | what-if gloves PF 20 | Aerosol Degreasing |
| 10 - auto | what-if gloves PF 20 | Aerosol Degreasing |
| 10 - auto | what-if gloves PF 10 | Aerosol Degreasing |
| 10 - auto | what-if gloves PF 10 | Aerosol Degreasing |
| 10 - auto | what-if gloves PF 5 | Aerosol Degreasing |
| 10 - auto | what-if gloves PF 5 | Aerosol Degreasing |
| 10 - auto | what-if PF 1 | Aerosol Degreasing |
| 10 - auto | what-if PF 1 | Aerosol Degreasing |
| 11 - lab | central gloves PF 20 | lab |
| 11 - lab | high-end gloves PF 20 | lab |
| 11 - lab | central gloves PF 10 | lab |
| 11 - lab | high-end gloves PF 10 | lab |
| 11 - lab | central gloves PF 5 | lab |
| 11 - lab | high-end gloves PF 5 | lab |
| 11 - lab | central PF 1 | lab |
| 11 - lab | high-end PF 1 | lab |
| 11 - lab | what-if gloves PF 20 | lab |
| 11 - lab | what-if gloves PF 20 | lab |
| 11 - lab | what-if gloves PF 10 | lab |
| 11 - lab | what-if gloves PF 10 | lab |
| 11 - lab | what-if gloves PF 5 | lab |

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| 11 - lab | what-if gloves PF 5 | lab |
| 11 - lab | what-if PF 1 | lab |
| 11 - lab | what-if PF 1 | lab |
| 12 - electronics | central gloves PF 20 | nductor - Container handling, small co |
| 12 - electronics | high-end gloves PF 20 | nductor - Container handling, small co |
| 12 - electronics | central gloves PF 10 | nductor - Container handling, small co |
| 12 - electronics | high-end gloves PF 10 | nductor - Container handling, small co |
| 12 - electronics | central gloves PF 5 | nductor - Container handling, small co |
| 12 - electronics | high-end gloves PF 5 | nductor - Container handling, small co |
| 12 - electronics | central PF 1 | nductor - Container handling, small co |
| 12 - electronics | high-end PF 1 | nductor - Container handling, small co |
| 12 - electronics | what-if gloves PF 20 | nductor - Container handling, small co |
| 12 - electronics | what-if gloves PF 20 | nductor - Container handling, small co |
| 12 - electronics | what-if gloves PF 10 | nductor - Container handling, small co |
| 12 - electronics | what-if gloves PF 10 | nductor - Container handling, small co |
| 12 - electronics | what-if gloves PF 5 | nductor - Container handling, small co |
| 12 - electronics | what-if gloves PF 5 | nductor - Container handling, small co |
| 12 - electronics | what-if PF 1 | nductor - Container handling, small co |
| 12 - electronics | what-if PF 1 | nductor - Container handling, small co |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Container handling, small containers |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Container handling, small containers |
| 12 - electronics | central gloves PF 20 | miconductor - Container handling, dru |
| 12 - electronics | high-end gloves PF 20 | miconductor - Container handling, dru |
| 12 - electronics | central gloves PF 10 | miconductor - Container handling, dru |
| 12 - electronics | high-end gloves PF 10 | miconductor - Container handling, dru |
| 12 - electronics | central gloves PF 5 | miconductor - Container handling, dru |
| 12 - electronics | high-end gloves PF 5 | miconductor - Container handling, dru |
| 12 - electronics | central PF 1 | miconductor - Container handling, dru |
| 12 - electronics | high-end PF 1 | miconductor - Container handling, dru |
| 12 - electronics | what-if gloves PF 20 | miconductor - Container handling, dru |
| 12 - electronics | what-if gloves PF 20 | miconductor - Container handling, dru |
| 12 - electronics | what-if gloves PF 10 | miconductor - Container handling, dru |
| 12 - electronics | what-if gloves PF 10 | miconductor - Container handling, dru |
| 12 - electronics | what-if gloves PF 5 | miconductor - Container handling, dru |
| 12 - electronics | what-if gloves PF 5 | miconductor - Container handling, dru |
| 12 - electronics | what-if PF 1 | miconductor - Container handling, dru |
| 12 - electronics | what-if PF 1 | miconductor - Container handling, dru |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Container handling, drums |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Container handling, drums |
| 12 - electronics | central gloves PF 20 | Semiconductor - Fab worker |
| 12 - electronics | high-end gloves PF 20 | Semiconductor - Fab worker |
| 12 - electronics | central gloves PF 10 | Semiconductor - Fab worker |
| 12 - electronics | high-end gloves PF 10 | Semiconductor - Fab worker |

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| 12 - electronics | central gloves PF 5 | Semiconductor - Fab worker |
| 12 - electronics | high-end gloves PF 5 | Semiconductor - Fab worker |
| 12 - electronics | central PF 1 | Semiconductor - Fab worker |
| 12 - electronics | high-end PF 1 | Semiconductor - Fab worker |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Fab worker |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Fab worker |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Fab worker |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Fab worker |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Fab worker |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Fab worker |
| 12 - electronics | what-if PF 1 | Semiconductor - Fab worker |
| 12 - electronics | what-if PF 1 | Semiconductor - Fab worker |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Fab worker with container changeout |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Fab worker with container changeout |
| 12 - electronics | central gloves PF 20 | Semiconductor - Maintenance |
| 12 - electronics | high-end gloves PF 20 | Semiconductor - Maintenance |
| 12 - electronics | central gloves PF 10 | Semiconductor - Maintenance |
| 12 - electronics | high-end gloves PF 10 | Semiconductor - Maintenance |
| 12 - electronics | central gloves PF 5 | Semiconductor - Maintenance |
| 12 - electronics | high-end gloves PF 5 | Semiconductor - Maintenance |
| 12 - electronics | central PF 1 | Semiconductor - Maintenance |
| 12 - electronics | high-end PF 1 | Semiconductor - Maintenance |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Maintenance |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Maintenance |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Maintenance |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Maintenance |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Maintenance |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Maintenance |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Maintenance |
| 12 - electronics | what-if PF 1 | Semiconductor - Maintenance |
| 12 - electronics | what-if PF 1 | Semiconductor - Maintenance |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Maintenance |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Maintenance |
| 12 - electronics | central gloves PF 20 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | high-end gloves PF 20 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | central gloves PF 10 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | high-end gloves PF 10 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | central gloves PF 5 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | high-end gloves PF 5 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | central PF 1 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | high-end PF 1 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | what-if gloves PF 20 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | what-if gloves PF 20 | iconductor - Virgin NMP truck unloa |
| 12 - electronics | what-if gloves PF 10 | iconductor - Virgin NMP truck unloa |

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| 12 - electronics | what-if gloves PF 10 | iconductor - Virgin NMP truck unloading |
| 12 - electronics | what-if gloves PF 5 | iconductor - Virgin NMP truck unloading |
| 12 - electronics | what-if gloves PF 5 | iconductor - Virgin NMP truck unloading |
| 12 - electronics | what-if PF 1 | iconductor - Virgin NMP truck unloading |
| 12 - electronics | what-if PF 1 | iconductor - Virgin NMP truck unloading |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Virgin NMP truck unloading |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Virgin NMP truck unloading |
| 12 - electronics | central gloves PF 20 | Semiconductor - Waste truck loading |
| 12 - electronics | high-end gloves PF 20 | Semiconductor - Waste truck loading |
| 12 - electronics | central gloves PF 10 | Semiconductor - Waste truck loading |
| 12 - electronics | high-end gloves PF 10 | Semiconductor - Waste truck loading |
| 12 - electronics | central gloves PF 5 | Semiconductor - Waste truck loading |
| 12 - electronics | high-end gloves PF 5 | Semiconductor - Waste truck loading |
| 12 - electronics | central PF 1 | Semiconductor - Waste truck loading |
| 12 - electronics | high-end PF 1 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if PF 1 | Semiconductor - Waste truck loading |
| 12 - electronics | what-if PF 1 | Semiconductor - Waste truck loading |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Waste truck loading |
| 12 - electronics | industry-proposed what-if gloves PF 20 | Semiconductor - Waste truck loading |
| 12 - electronics | central gloves PF 20 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | high-end gloves PF 20 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | central gloves PF 10 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | high-end gloves PF 10 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | central gloves PF 5 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | high-end gloves PF 5 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | central PF 1 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | high-end PF 1 | resistor, Coil, Transformer, and Other I |
| 12 - electronics | central gloves PF 20 | Lithium ion - Cathode coating |
| 12 - electronics | high-end gloves PF 20 | Lithium ion - Cathode coating |
| 12 - electronics | central gloves PF 10 | Lithium ion - Cathode coating |
| 12 - electronics | high-end gloves PF 10 | Lithium ion - Cathode coating |
| 12 - electronics | central gloves PF 5 | Lithium ion - Cathode coating |
| 12 - electronics | high-end gloves PF 5 | Lithium ion - Cathode coating |
| 12 - electronics | central PF 1 | Lithium ion - Cathode coating |
| 12 - electronics | high-end PF 1 | Lithium ion - Cathode coating |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - Cathode coating |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - Cathode coating |

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| 12 - electronics | what-if gloves PF 10 | Lithium ion - Cathode coating |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - Cathode coating |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Cathode coating |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Cathode coating |
| 12 - electronics | what-if PF 1 | Lithium ion - Cathode coating |
| 12 - electronics | what-if PF 1 | Lithium ion - Cathode coating |
| 12 - electronics | central gloves PF 20 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | high-end gloves PF 20 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | central gloves PF 10 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | high-end gloves PF 10 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | central gloves PF 5 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | high-end gloves PF 5 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | central PF 1 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | high-end PF 1 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if PF 1 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | what-if PF 1 | Lithium ion - Cathode slurry mixing |
| 12 - electronics | central gloves PF 20 | Lithium ion - Research and developmen |
| 12 - electronics | high-end gloves PF 20 | Lithium ion - Research and developmen |
| 12 - electronics | central gloves PF 10 | Lithium ion - Research and developmen |
| 12 - electronics | high-end gloves PF 10 | Lithium ion - Research and developmen |
| 12 - electronics | central gloves PF 5 | Lithium ion - Research and developmen |
| 12 - electronics | high-end gloves PF 5 | Lithium ion - Research and developmen |
| 12 - electronics | central PF 1 | Lithium ion - Research and developmen |
| 12 - electronics | high-end PF 1 | Lithium ion - Research and developmen |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - Research and developmen |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - Research and developmen |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - Research and developmen |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - Research and developmen |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Research and developmen |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Research and developmen |
| 12 - electronics | what-if PF 1 | Lithium ion - Research and developmen |
| 12 - electronics | what-if PF 1 | Lithium ion - Research and developmen |
| 12 - electronics | central gloves PF 20 | Lithium ion - Misc |
| 12 - electronics | high-end gloves PF 20 | Lithium ion - Misc |
| 12 - electronics | central gloves PF 10 | Lithium ion - Misc |
| 12 - electronics | high-end gloves PF 10 | Lithium ion - Misc |
| 12 - electronics | central gloves PF 5 | Lithium ion - Misc |
| 12 - electronics | high-end gloves PF 5 | Lithium ion - Misc |
| 12 - electronics | central PF 1 | Lithium ion - Misc |
| 12 - electronics | high-end PF 1 | Lithium ion - Misc |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - Misc |

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| 12 - electronics | what-if gloves PF 20 | Lithium ion - Misc |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - Misc |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - Misc |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Misc |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - Misc |
| 12 - electronics | what-if PF 1 | Lithium ion - Misc |
| 12 - electronics | what-if PF 1 | Lithium ion - Misc |
| 12 - electronics | central gloves PF 20 | Lithium ion - small container handling |
| 12 - electronics | high-end gloves PF 20 | Lithium ion - small container handling |
| 12 - electronics | central gloves PF 10 | Lithium ion - small container handling |
| 12 - electronics | high-end gloves PF 10 | Lithium ion - small container handling |
| 12 - electronics | central gloves PF 5 | Lithium ion - small container handling |
| 12 - electronics | high-end gloves PF 5 | Lithium ion - small container handling |
| 12 - electronics | central PF 1 | Lithium ion - small container handling |
| 12 - electronics | high-end PF 1 | Lithium ion - small container handling |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - small container handling |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - small container handling |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - small container handling |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - small container handling |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - small container handling |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - small container handling |
| 12 - electronics | what-if PF 1 | Lithium ion - small container handling |
| 12 - electronics | what-if PF 1 | Lithium ion - small container handling |
| 12 - electronics | central gloves PF 20 | Lithium ion - drum handling |
| 12 - electronics | high-end gloves PF 20 | Lithium ion - drum handling |
| 12 - electronics | central gloves PF 10 | Lithium ion - drum handling |
| 12 - electronics | high-end gloves PF 10 | Lithium ion - drum handling |
| 12 - electronics | central gloves PF 5 | Lithium ion - drum handling |
| 12 - electronics | high-end gloves PF 5 | Lithium ion - drum handling |
| 12 - electronics | central PF 1 | Lithium ion - drum handling |
| 12 - electronics | high-end PF 1 | Lithium ion - drum handling |
| 12 - electronics | what-if gloves PF 20 | Lithium ion - drum handling |

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|------------------------------------|-----------------------|----------------------------------|
| 12 - electronics | what-if gloves PF 20 | Lithium ion - drum handling |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - drum handling |
| 12 - electronics | what-if gloves PF 10 | Lithium ion - drum handling |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - drum handling |
| 12 - electronics | what-if gloves PF 5 | Lithium ion - drum handling |
| 12 - electronics | what-if PF 1 | Lithium ion - drum handling |
| 12 - electronics | what-if PF 1 | Lithium ion - drum handling |
| 13 - solder | central gloves PF 20 | soldering |
| 13 - solder | high-end gloves PF 20 | soldering |
| 13 - solder | central gloves PF 10 | soldering |
| 13 - solder | high-end gloves PF 10 | soldering |
| 13 - solder | central gloves PF 5 | soldering |
| 13 - solder | high-end gloves PF 5 | soldering |
| 13 - solder | central PF 1 | soldering |
| 13 - solder | high-end PF 1 | soldering |
| 14 - fertilizer | central gloves PF 20 | Manual spray or boom application |
| 14 - fertilizer | high-end gloves PF 20 | Manual spray or boom application |
| 14 - fertilizer | central gloves PF 10 | Manual spray or boom application |
| 14 - fertilizer | high-end gloves PF 10 | Manual spray or boom application |
| 14 - fertilizer | central gloves PF 5 | Manual spray or boom application |
| 14 - fertilizer | high-end gloves PF 5 | Manual spray or boom application |
| 14 - fertilizer | central PF 1 | Manual spray or boom application |
| 14 - fertilizer | high-end PF 1 | Manual spray or boom application |
| 16 - disposal and recycling | central gloves PF 20 | bulk containers |
| 16 - disposal and recycling | high-end gloves PF 20 | drums |
| 16 - disposal and recycling | central gloves PF 10 | bulk containers |
| 16 - disposal and recycling | high-end gloves PF 10 | drums |
| 16 - disposal and recycling | central gloves PF 5 | bulk containers |
| 16 - disposal and recycling | high-end gloves PF 5 | drums |
| 16 - disposal and recycling | central PF 1 | bulk containers |
| 16 - disposal and recycling | high-end PF 1 | drums |
| 16 - disposal and recycling | what-if gloves PF 20 | bulk containers |
| 16 - disposal and recycling | what-if gloves PF 20 | drums |
| 16 - disposal and recycling | what-if gloves PF 10 | bulk containers |
| 16 - disposal and recycling | what-if gloves PF 10 | drums |

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| 16 - disposal and recycling | what-if gloves PF 5 | bulk containers |
| 16 - disposal and recycling | what-if gloves PF 5 | drums |
| 16 - disposal and recycling | what-if PF 1 | bulk containers |
| 16 - disposal and recycling | what-if PF 1 | drums |

| Male worker, AUC, no respirator | Exxon (1991) Chronic POD (mg/L) | No respirator MOE for AUC (benchmark MOE = 30) | USEPA (2015) Chronic POD (mg/L) | No respirator MOE for AUC (benchmark MOE = 30) | What if |
|---------------------------------|---------------------------------|--|---------------------------------|--|---------|
| 14.95 | 183.00 | 12.2 | 410 | 27.4 | |
| 63.55 | 183.00 | 2.9 | 410 | 6.5 | |
| 30.73 | 183.00 | 6.0 | 410 | 13.3 | |
| 137.93 | 183.00 | 1.3 | 410 | 3.0 | |
| 64.91 | 183.00 | 2.8 | 410 | 6.3 | |
| 324.64 | 183.00 | 0.6 | 410 | 1.3 | |
| 472.51 | 183.00 | 0.4 | 410 | 0.9 | |
| 4465.33 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.83 | 183.00 | 99.9 | 410 | 223.8 | |
| 15.78 | 183.00 | 11.6 | 410 | 26.0 | |
| 3.67 | 183.00 | 49.8 | 410 | 111.6 | |
| 32.30 | 183.00 | 5.7 | 410 | 12.7 | |
| 7.41 | 183.00 | 24.7 | 410 | 55.4 | 1 |
| 68.50 | 183.00 | 2.7 | 410 | 6.0 | |
| 39.77 | 183.00 | 4.6 | 410 | 10.3 | |
| 512.5198818 | 183.00 | 0.4 | 410 | 0.8 | |
| 14.95 | 183.00 | 12.2 | 410 | 27.4 | |
| 63.55 | 183.00 | 2.9 | 410 | 6.5 | |
| 30.73 | 183.00 | 6.0 | 410 | 13.3 | |
| 137.93 | 183.00 | 1.3 | 410 | 3.0 | |
| 64.91 | 183.00 | 2.8 | 410 | 6.3 | |
| 324.64 | 183.00 | 0.6 | 410 | 1.3 | |
| 472.51 | 183.00 | 0.4 | 410 | 0.9 | |
| 4465.33 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.83 | 183.00 | 99.9 | 410 | 223.8 | |
| 15.78 | 183.00 | 11.6 | 410 | 26.0 | |
| 3.67 | 183.00 | 49.8 | 410 | 111.6 | |
| 32.30 | 183.00 | 5.7 | 410 | 12.7 | |
| 7.41 | 183.00 | 24.7 | 410 | 55.4 | 1 |
| 68.50 | 183.00 | 2.7 | 410 | 6.0 | |
| 39.77 | 183.00 | 4.6 | 410 | 10.3 | |
| 512.52 | 183.00 | 0.4 | 410 | 0.8 | |
| 14.95 | 183.00 | 12.2 | 410 | 27.4 | |
| 63.27 | 183.00 | 2.9 | 410 | 6.5 | |
| 30.74 | 183.00 | 6.0 | 410 | 13.3 | |
| 137.60 | 183.00 | 1.3 | 410 | 3.0 | |

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|---------|--------|-------|-----|-------|---|
| 64.92 | 183.00 | 2.8 | 410 | 6.3 | |
| 324.19 | 183.00 | 0.6 | 410 | 1.3 | |
| 472.53 | 183.00 | 0.4 | 410 | 0.9 | |
| 4463.57 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.33 | 183.00 | 137.4 | 410 | 307.7 | |
| 2.70 | 183.00 | 67.8 | 410 | 152.0 | |
| 2.66 | 183.00 | 68.8 | 410 | 154.2 | |
| 5.38 | 183.00 | 34.0 | 410 | 76.2 | |
| 5.34 | 183.00 | 34.3 | 410 | 76.7 | |
| 10.86 | 183.00 | 16.8 | 410 | 37.7 | 1 |
| 28.14 | 183.00 | 6.5 | 410 | 14.6 | |
| 60.13 | 183.00 | 3.0 | 410 | 6.8 | |
| 14.95 | 183.00 | 12.2 | 410 | 27.4 | |
| 63.27 | 183.00 | 2.9 | 410 | 6.5 | |
| 30.74 | 183.00 | 6.0 | 410 | 13.3 | |
| 137.60 | 183.00 | 1.3 | 410 | 3.0 | |
| 64.92 | 183.00 | 2.8 | 410 | 6.3 | |
| 324.19 | 183.00 | 0.6 | 410 | 1.3 | |
| 472.53 | 183.00 | 0.4 | 410 | 0.9 | |
| 4463.57 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.12 | 183.00 | 163.4 | 410 | 366.1 | |
| 62.93 | 183.00 | 2.9 | 410 | 6.5 | |
| 2.18 | 183.00 | 84.1 | 410 | 188.4 | |
| 135.19 | 183.00 | 1.4 | 410 | 3.0 | |
| 4.30 | 183.00 | 42.5 | 410 | 95.3 | |
| 315.63 | 183.00 | 0.6 | 410 | 1.3 | |
| 21.90 | 183.00 | 8.4 | 410 | 18.7 | |
| 4260.31 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.33 | 183.00 | 137.4 | 410 | 307.7 | |
| 2.70 | 183.00 | 67.8 | 410 | 152.0 | |
| 2.66 | 183.00 | 68.8 | 410 | 154.2 | |
| 5.38 | 183.00 | 34.0 | 410 | 76.2 | |
| 5.34 | 183.00 | 34.3 | 410 | 76.7 | |
| 10.86 | 183.00 | 16.8 | 410 | 37.7 | 1 |
| 28.14 | 183.00 | 6.5 | 410 | 14.6 | |

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|----------|--------|--------|-----|--------|--|
| 60.13 | 183.00 | 3.0 | 410 | 6.8 | |
| 0.12 | 183.00 | 1529.7 | 410 | 3427.1 | |
| 9.87 | 183.00 | 18.5 | 410 | 41.5 | |
| 1.87E-01 | 183.00 | 976.3 | 410 | 2187.4 | |
| 1.91E+01 | 183.00 | 9.6 | 410 | 21.5 | |
| 0.32 | 183.00 | 566.6 | 410 | 1269.3 | |
| 38.25 | 183.00 | 4.8 | 410 | 10.7 | |
| 1.41 | 183.00 | 129.9 | 410 | 291.1 | |
| 229.85 | 183.00 | 0.8 | 410 | 1.8 | |
| 0.07 | 183.00 | 2485.3 | 410 | 5568.2 | |
| 9.01 | 183.00 | 20.3 | 410 | 45.5 | |
| 0.14 | 183.00 | 1294.2 | 410 | 2899.6 | |
| 18.20 | 183.00 | 10.1 | 410 | 22.5 | |
| 0.28 | 183.00 | 660.7 | 410 | 1480.3 | |
| 37.31 | 183.00 | 4.9 | 410 | 11.0 | |
| 1.36 | 183.00 | 134.4 | 410 | 301.1 | |
| 228.50 | 183.00 | 0.8 | 410 | 1.8 | |
| 0.26 | 183.00 | 699.5 | 410 | 1567.3 | |
| 9.52 | 183.00 | 19.2 | 410 | 43.1 | |
| 0.33 | 183.00 | 555.6 | 410 | 1244.8 | |
| 18.73 | 183.00 | 9.8 | 410 | 21.9 | |
| 0.47 | 183.00 | 393.5 | 410 | 881.6 | |
| 37.87 | 183.00 | 4.8 | 410 | 10.8 | |
| 1.55 | 183.00 | 117.8 | 410 | 264.0 | |
| 229.30 | 183.00 | 0.8 | 410 | 1.8 | |
| 0.88 | 183.00 | 208.6 | 410 | 467.3 | |
| 9.80 | 183.00 | 18.7 | 410 | 41.8 | |
| 0.95 | 183.00 | 193.6 | 410 | 433.7 | |
| 19.02 | 183.00 | 9.6 | 410 | 21.6 | |
| 1.08 | 183.00 | 169.3 | 410 | 379.2 | |
| 38.17 | 183.00 | 4.8 | 410 | 10.7 | |
| 2.18 | 183.00 | 84.0 | 410 | 188.1 | |
| 229.73 | 183.00 | 0.8 | 410 | 1.8 | |
| 0.19 | 183.00 | 956.8 | 410 | 2143.7 | |
| 0.97 | 183.00 | 188.3 | 410 | 422.0 | |
| 0.36 | 183.00 | 507.2 | 410 | 1136.4 | |
| 1.92 | 183.00 | 95.1 | 410 | 213.1 | |
| 0.70 | 183.00 | 261.4 | 410 | 585.6 | |
| 3.84 | 183.00 | 47.7 | 410 | 106.9 | |
| 3.43 | 183.00 | 53.4 | 410 | 119.7 | |

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| 19.50 | 183.00 | 9.4 | 410 | 21.0 | |
| 0.06 | 183.00 | 3206.7 | 410 | 7184.4 | |
| 0.12 | 183.00 | 1517.5 | 410 | 3399.9 | |
| 0.09 | 183.00 | 1981.3 | 410 | 4439.1 | |
| 0.22 | 183.00 | 834.1 | 410 | 1868.8 | |
| 0.16 | 183.00 | 1123.3 | 410 | 2516.6 | |
| 0.42 | 183.00 | 438.8 | 410 | 983.1 | |
| 0.73 | 183.00 | 251.7 | 410 | 563.9 | |
| 2.00 | 183.00 | 91.4 | 410 | 204.8 | |
| 0.00 | 183.00 | 578404.3 | 410 | 1295878.5 | |
| 0.00 | 183.00 | 578404.3 | 410 | 1295878.5 | |
| 0.00 | 183.00 | 116015.7 | 410 | 259925.9 | |
| 0.00 | 183.00 | 116015.7 | 410 | 259925.9 | |
| 3.44 | 183.00 | 53.1 | 410 | 119.0 | |
| 48.21 | 183.00 | 3.8 | 410 | 8.5 | |
| 6.88 | 183.00 | 26.6 | 410 | 59.6 | |
| 101.81 | 183.00 | 1.8 | 410 | 4.0 | |
| 13.89 | 183.00 | 13.2 | 410 | 29.5 | |
| 230.05 | 183.00 | 0.8 | 410 | 1.8 | |
| 76.48 | 183.00 | 2.4 | 410 | 5.4 | |
| 2657.74 | 183.00 | 0.1 | 410 | 0.2 | |
| 3.59 | 183.00 | 51.0 | 410 | 114.3 | |
| 47.82 | 183.00 | 3.8 | 410 | 8.6 | |
| 7.03 | 183.00 | 26.0 | 410 | 58.4 | |
| 101.37 | 183.00 | 1.8 | 410 | 4.0 | |
| 14.04 | 183.00 | 13.0 | 410 | 29.2 | |
| 229.50 | 183.00 | 0.8 | 410 | 1.8 | |
| 76.67 | 183.00 | 2.4 | 410 | 5.3 | |
| 2655.80 | 183.00 | 0.1 | 410 | 0.2 | |
| 4.21 | 183.00 | 43.5 | 410 | 97.4 | |
| 48.12 | 183.00 | 3.8 | 410 | 8.5 | |
| 7.66 | 183.00 | 23.9 | 410 | 53.5 | |
| 101.72 | 183.00 | 1.8 | 410 | 4.0 | |
| 14.68 | 183.00 | 12.5 | 410 | 27.9 | |
| 229.93 | 183.00 | 0.8 | 410 | 1.8 | |

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|---------|--------|-------|-----|-------|---|
| 77.46 | 183.00 | 2.4 | 410 | 5.3 | |
| 2657.32 | 183.00 | 0.1 | 410 | 0.2 | |
| 7.50 | 183.00 | 24.4 | 410 | 54.7 | |
| 35.73 | 183.00 | 5.1 | 410 | 11.5 | |
| 8.56 | 183.00 | 21.4 | 410 | 47.9 | |
| 60.16 | 183.00 | 3.0 | 410 | 6.8 | |
| 10.71 | 183.00 | 17.1 | 410 | 38.3 | |
| 113.62 | 183.00 | 1.6 | 410 | 3.6 | |
| 28.51 | 183.00 | 6.4 | 410 | 14.4 | |
| 807.96 | 183.00 | 0.2 | 410 | 0.5 | |
| 0.58 | 183.00 | 314.5 | 410 | 704.6 | |
| 9.76 | 183.00 | 18.7 | 410 | 42.0 | 1 |
| 0.84 | 183.00 | 217.6 | 410 | 487.5 | |
| 12.59 | 183.00 | 14.5 | 410 | 32.6 | 1 |
| 1.36 | 183.00 | 134.6 | 410 | 301.5 | |
| 18.37 | 183.00 | 10.0 | 410 | 22.3 | |
| 5.55 | 183.00 | 33.0 | 410 | 73.8 | |
| 69.69 | 183.00 | 2.6 | 410 | 5.9 | |
| 1.90 | 183.00 | 96.4 | 410 | 216.0 | |
| 15.67 | 183.00 | 11.7 | 410 | 26.2 | |
| 3.61 | 183.00 | 50.7 | 410 | 113.6 | |
| 31.07 | 183.00 | 5.9 | 410 | 13.2 | |
| 7.07 | 183.00 | 25.9 | 410 | 58.0 | |
| 63.84 | 183.00 | 2.9 | 410 | 6.4 | |
| 36.31 | 183.00 | 5.0 | 410 | 11.3 | |

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|---------|--------|-------|-----|-------|---|
| 436.08 | 183.00 | 0.4 | 410 | 0.9 | |
| 9.64 | 183.00 | 19.0 | 410 | 42.5 | |
| 63.65 | 183.00 | 2.9 | 410 | 6.4 | |
| 19.52 | 183.00 | 9.4 | 410 | 21.0 | |
| 137.84 | 183.00 | 1.3 | 410 | 3.0 | |
| 40.34 | 183.00 | 4.5 | 410 | 10.2 | |
| 323.98 | 183.00 | 0.6 | 410 | 1.3 | |
| 261.04 | 183.00 | 0.7 | 410 | 1.6 | |
| 4445.53 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.16 | 183.00 | 157.9 | 410 | 353.8 | |
| 61.93 | 183.00 | 3.0 | 410 | 6.6 | |
| 2.23 | 183.00 | 82.2 | 410 | 184.2 | |
| 133.82 | 183.00 | 1.4 | 410 | 3.1 | |
| 4.37 | 183.00 | 41.8 | 410 | 93.8 | |
| 313.30 | 183.00 | 0.6 | 410 | 1.3 | |
| 22.15 | 183.00 | 8.3 | 410 | 18.5 | |
| 4234.52 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.34 | 183.00 | 136.7 | 410 | 306.3 | |
| 13.21 | 183.00 | 13.9 | 410 | 31.0 | |
| 1.42 | 183.00 | 128.5 | 410 | 288.0 | |
| 17.88 | 183.00 | 10.2 | 410 | 22.9 | |
| 1.59 | 183.00 | 114.8 | 410 | 257.3 | |
| 27.40 | 183.00 | 6.7 | 410 | 15.0 | |
| 2.97 | 183.00 | 61.5 | 410 | 137.9 | |
| 112.70 | 183.00 | 1.6 | 410 | 3.6 | |
| 0.51 | 183.00 | 358.8 | 410 | 803.9 | |
| 3.74 | 183.00 | 48.9 | 410 | 109.6 | |
| 0.53 | 183.00 | 344.5 | 410 | 771.9 | |
| 4.31 | 183.00 | 42.4 | 410 | 95.1 | |
| 0.57 | 183.00 | 319.1 | 410 | 714.8 | |
| 5.45 | 183.00 | 33.5 | 410 | 75.2 | |
| 0.92 | 183.00 | 199.2 | 410 | 446.3 | |
| 14.78 | 183.00 | 12.4 | 410 | 27.7 | |
| 14.95 | 183.00 | 12.2 | 410 | 27.4 | |
| 64.16 | 183.00 | 2.9 | 410 | 6.4 | |
| 30.73 | 183.00 | 6.0 | 410 | 13.3 | |
| 138.64 | 183.00 | 1.3 | 410 | 3.0 | |
| 64.91 | 183.00 | 2.8 | 410 | 6.3 | |
| 325.58 | 183.00 | 0.6 | 410 | 1.3 | |
| 472.51 | 183.00 | 0.4 | 410 | 0.9 | |
| 4469.05 | 183.00 | 0.0 | 410 | 0.1 | |
| 7.39 | 183.00 | 24.8 | 410 | 55.5 | 1 |
| 15.02 | 183.00 | 12.2 | 410 | 27.3 | |
| 15.02 | 183.00 | 12.2 | 410 | 27.3 | |
| 31.00 | 183.00 | 5.9 | 410 | 13.2 | |
| 31.00 | 183.00 | 5.9 | 410 | 13.2 | |

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|-------------|--------|---------|-----|---------|---|
| 65.94 | 183.00 | 2.8 | 410 | 6.2 | |
| 194.83 | 183.00 | 0.9 | 410 | 2.1 | |
| 491.49 | 183.00 | 0.4 | 410 | 0.8 | |
| 5.17 | 183.00 | 35.4 | 410 | 79.3 | |
| 42.49 | 183.00 | 4.3 | 410 | 9.6 | |
| 10.35 | 183.00 | 17.7 | 410 | 39.6 | |
| 89.04 | 183.00 | 2.1 | 410 | 4.6 | |
| 20.97 | 183.00 | 8.7 | 410 | 19.6 | |
| 196.51 | 183.00 | 0.9 | 410 | 2.1 | |
| 118.87 | 183.00 | 1.5 | 410 | 3.4 | |
| 2146.85 | 183.00 | 0.1 | 410 | 0.2 | |
| 0.1 | 183.00 | 2584.2 | 410 | 5789.7 | |
| 3.400715023 | 183.00 | 53.8 | 410 | 120.6 | |
| 0.140617121 | 183.00 | 1301.4 | 410 | 2915.7 | |
| 6.842570966 | 183.00 | 26.7 | 410 | 59.9 | 1 |
| 0.280280369 | 183.00 | 652.9 | 410 | 1462.8 | |
| 13.89478124 | 183.00 | 13.2 | 410 | 29.5 | |
| 1.398856561 | 183.00 | 130.8 | 410 | 293.1 | |
| 78.49348425 | 183.00 | 2.3 | 410 | 5.2 | |
| 0.016619012 | 183.00 | 11011.5 | 410 | 24670.5 | |
| 0.26699297 | 183.00 | 685.4 | 410 | 1535.6 | |
| 2.553118028 | 183.00 | 71.7 | 410 | 160.6 | |
| 42.79192836 | 183.00 | 4.3 | 410 | 9.6 | |
| 5.125312699 | 183.00 | 35.7 | 410 | 80.0 | |
| 89.37515696 | 183.00 | 2.0 | 410 | 4.6 | |
| 10.33316918 | 183.00 | 17.7 | 410 | 39.7 | |
| 196.9116271 | 183.00 | 0.9 | 410 | 2.1 | |
| 55.08410936 | 183.00 | 3.3 | 410 | 7.4 | |
| 2148.245211 | 183.00 | 0.1 | 410 | 0.2 | |
| 0.013940752 | 183.00 | 13127.0 | 410 | 29410.2 | |
| 1.134116442 | 183.00 | 161.4 | 410 | 361.5 | |
| 0.027869817 | 183.00 | 6566.2 | 410 | 14711.3 | |
| 2.262436633 | 183.00 | 80.9 | 410 | 181.2 | |
| 0.055724687 | 183.00 | 3284.0 | 410 | 7357.6 | |
| 4.539411117 | 183.00 | 40.3 | 410 | 90.3 | |
| 0.278090462 | 183.00 | 658.1 | 410 | 1474.3 | |
| 23.7343994 | 183.00 | 7.7 | 410 | 17.3 | |
| 0.006387774 | 183.00 | 28648.5 | 410 | 64185.1 | |
| 0.29011556 | 183.00 | 630.8 | 410 | 1413.2 | |
| 0.147317021 | 183.00 | 1242.2 | 410 | 2783.1 | |
| 1.136707671 | 183.00 | 161.0 | 410 | 360.7 | |
| 0.274420898 | 183.00 | 666.9 | 410 | 1494.1 | |
| 2.156859264 | 183.00 | 84.8 | 410 | 190.1 | |

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|-------------|--------|----------|-----|----------|---|
| 0.528746703 | 183.00 | 346.1 | 410 | 775.4 | |
| 4.204197066 | 183.00 | 43.5 | 410 | 97.5 | |
| 2.566743188 | 183.00 | 71.3 | 410 | 159.7 | |
| 20.93735837 | 183.00 | 8.7 | 410 | 19.6 | |
| 0.25784511 | 183.00 | 709.7 | 410 | 1590.1 | |
| 0.994519538 | 183.00 | 184.0 | 410 | 412.3 | |
| 0.480340688 | 183.00 | 381.0 | 410 | 853.6 | |
| 1.886909321 | 183.00 | 97.0 | 410 | 217.3 | |
| 0.925709281 | 183.00 | 197.7 | 410 | 442.9 | |
| 3.677407806 | 183.00 | 49.8 | 410 | 111.5 | |
| 4.500085917 | 183.00 | 40.7 | 410 | 91.1 | |
| 18.28959642 | 183.00 | 10.0 | 410 | 22.4 | |
| 0.001434375 | 183.00 | 127581.7 | 410 | 285838.7 | |
| 0.016355784 | 183.00 | 11188.7 | 410 | 25067.6 | |
| 2.554153869 | 183.00 | 71.6 | 410 | 160.5 | |
| 97.05334873 | 183.00 | 1.9 | 410 | 4.2 | |
| 5.126357097 | 183.00 | 35.7 | 410 | 80.0 | |
| 215.9777198 | 183.00 | 0.8 | 410 | 1.9 | |
| 10.33423085 | 183.00 | 17.7 | 410 | 39.7 | |
| 536.3767748 | 183.00 | 0.3 | 410 | 0.8 | |
| 55.08533269 | 183.00 | 3.3 | 410 | 7.4 | |
| 9209.260397 | 183.00 | 0.0 | 410 | 0.0 | |
| 0.04925211 | 183.00 | 3715.6 | 410 | 8324.5 | |
| 88.55411333 | 183.00 | 2.1 | 410 | 4.6 | |
| 0.098454338 | 183.00 | 1858.7 | 410 | 4164.4 | |
| 195.9762089 | 183.00 | 0.9 | 410 | 2.1 | |
| 0.196880353 | 183.00 | 929.5 | 410 | 2082.5 | |
| 480.2517715 | 183.00 | 0.4 | 410 | 0.9 | |
| 0.984197662 | 183.00 | 185.9 | 410 | 416.6 | |
| 7937.683014 | 183.00 | 0.0 | 410 | 0.1 | |
| 0.069944905 | 183.00 | 2616.3 | 410 | 5861.8 | |
| 2.574265883 | 183.00 | 71.1 | 410 | 159.3 | |
| 15.92957405 | 183.00 | 11.5 | 410 | 25.7 | |
| 64.31105244 | 183.00 | 2.8 | 410 | 6.4 | |
| 31.76726521 | 183.00 | 5.8 | 410 | 12.9 | |
| 138.8198609 | 183.00 | 1.3 | 410 | 3.0 | |
| 66.06084287 | 183.00 | 2.8 | 410 | 6.2 | |
| 325.8164853 | 183.00 | 0.6 | 410 | 1.3 | |
| 474.6639352 | 183.00 | 0.4 | 410 | 0.9 | |
| 4469.976614 | 183.00 | 0.0 | 410 | 0.1 | |
| 8.349963215 | 183.00 | 21.9 | 410 | 49.1 | 1 |
| 16.00465695 | 183.00 | 11.4 | 410 | 25.6 | |
| 16.00465695 | 183.00 | 11.4 | 410 | 25.6 | |

| | | | | | |
|-------------|--------|--------|-----|--------|---|
| 32.04895047 | 183.00 | 5.7 | 410 | 12.8 | |
| 32.04895047 | 183.00 | 5.7 | 410 | 12.8 | |
| 67.12397982 | 183.00 | 2.7 | 410 | 6.1 | |
| 196.4238641 | 183.00 | 0.9 | 410 | 2.1 | |
| 493.6812674 | 183.00 | 0.4 | 410 | 0.8 | |
| 0.218543664 | 183.00 | 837.4 | 410 | 1876.1 | |
| 1.942203796 | 183.00 | 94.2 | 410 | 211.1 | |
| 12.06556663 | 183.00 | 15.2 | 410 | 34.0 | |
| 50.35109885 | 183.00 | 3.6 | 410 | 8.1 | |
| 24.60839165 | 183.00 | 7.4 | 410 | 16.7 | |
| 107.6415569 | 183.00 | 1.7 | 410 | 3.8 | |
| 51.37954459 | 183.00 | 3.6 | 410 | 8.0 | |
| 246.0116726 | 183.00 | 0.7 | 410 | 1.7 | |
| 351.8188782 | 183.00 | 0.5 | 410 | 1.2 | |
| 2961.061571 | 183.00 | 0.1 | 410 | 0.1 | |
| 5.974901143 | 183.00 | 30.6 | 410 | 68.6 | |
| 12.07218509 | 183.00 | 15.2 | 410 | 34.0 | 1 |
| 12.07218509 | 183.00 | 15.2 | 410 | 34.0 | 1 |
| 24.74273613 | 183.00 | 7.4 | 410 | 16.6 | |
| 24.74273613 | 183.00 | 7.4 | 410 | 16.6 | |
| 52.01501205 | 183.00 | 3.5 | 410 | 7.9 | |
| 149.3876926 | 183.00 | 1.2 | 410 | 2.7 | |
| 365.2501042 | 183.00 | 0.5 | 410 | 1.1 | |
| 0.150709387 | 183.00 | 1214.3 | 410 | 2720.5 | |
| 1.487897652 | 183.00 | 123.0 | 410 | 275.6 | |
| 3.978887095 | 183.00 | 46.0 | 410 | 103.0 | |
| 73.53514885 | 183.00 | 2.5 | 410 | 5.6 | |
| 7.422105567 | 183.00 | 24.7 | 410 | 55.2 | |
| 149.6177965 | 183.00 | 1.2 | 410 | 2.7 | |
| 14.44233016 | 183.00 | 12.7 | 410 | 28.4 | |
| 340.1671477 | 183.00 | 0.5 | 410 | 1.2 | |
| 77.16762548 | 183.00 | 2.4 | 410 | 5.3 | |
| 4526.052291 | 183.00 | 0.0 | 410 | 0.1 | |
| 4.358662138 | 183.00 | 42.0 | 410 | 94.1 | |
| 21.90809506 | 183.00 | 8.4 | 410 | 18.7 | |
| 7.806822183 | 183.00 | 23.4 | 410 | 52.5 | |
| 36.51042409 | 183.00 | 5.0 | 410 | 11.2 | |
| 14.8370278 | 183.00 | 12.3 | 410 | 27.6 | |
| 67.43508011 | 183.00 | 2.7 | 410 | 6.1 | |
| 77.65253597 | 183.00 | 2.4 | 410 | 5.3 | |
| 410.5140864 | 183.00 | 0.4 | 410 | 1.0 | |
| 2.65316734 | 183.00 | 69.0 | 410 | 154.5 | |
| 18.40426615 | 183.00 | 9.9 | 410 | 22.3 | |

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|-------------|--------|-------|-----|-------|---|
| 4.3640529 | 183.00 | 41.9 | 410 | 93.9 | |
| 29.28700981 | 183.00 | 6.2 | 410 | 14.0 | |
| 7.824209124 | 183.00 | 23.4 | 410 | 52.4 | 1 |
| 52.12159621 | 183.00 | 3.5 | 410 | 7.9 | |
| 37.34128147 | 183.00 | 4.9 | 410 | 11.0 | |
| 291.6380767 | 183.00 | 0.6 | 410 | 1.4 | |
| 3.825939156 | 183.00 | 47.8 | 410 | 107.2 | |
| 15.70204106 | 183.00 | 11.7 | 410 | 26.1 | |
| 7.267166539 | 183.00 | 25.2 | 410 | 56.4 | |
| 30.06122843 | 183.00 | 6.1 | 410 | 13.6 | |
| 14.28336941 | 183.00 | 12.8 | 410 | 28.7 | |
| 60.47726309 | 183.00 | 3.0 | 410 | 6.8 | |
| 76.97231322 | 183.00 | 2.4 | 410 | 5.3 | |
| 398.7302646 | 183.00 | 0.5 | 410 | 1.0 | |
| 0.851247182 | 183.00 | 215.0 | 410 | 481.6 | |
| 2.74193957 | 183.00 | 66.7 | 410 | 149.5 | |
| 1.274352417 | 183.00 | 143.6 | 410 | 321.7 | |
| 3.597312543 | 183.00 | 50.9 | 410 | 114.0 | |
| 2.123271274 | 183.00 | 86.2 | 410 | 193.1 | |
| 5.31887512 | 183.00 | 34.4 | 410 | 77.1 | |
| 9.040693647 | 183.00 | 20.2 | 410 | 45.4 | 1 |
| 19.60388412 | 183.00 | 9.3 | 410 | 20.9 | |
| 3.465374798 | 183.00 | 52.8 | 410 | 118.3 | |
| 64.14210106 | 183.00 | 2.9 | 410 | 6.4 | |
| 6.901906159 | 183.00 | 26.5 | 410 | 59.4 | |
| 138.6219626 | 183.00 | 1.3 | 410 | 3.0 | |
| 13.90862347 | 183.00 | 13.2 | 410 | 29.5 | |
| 325.5530978 | 183.00 | 0.6 | 410 | 1.3 | |
| 76.51182605 | 183.00 | 2.4 | 410 | 5.4 | |
| 4468.940732 | 183.00 | 0.0 | 410 | 0.1 | |
| 2.18897014 | 183.00 | 83.6 | 410 | 187.3 | |
| 19.73662141 | 183.00 | 9.3 | 410 | 20.8 | |
| 4.324110496 | 183.00 | 42.3 | 410 | 94.8 | |
| 40.15525992 | 183.00 | 4.6 | 410 | 10.2 | |
| 8.652157699 | 183.00 | 21.2 | 410 | 47.4 | 1 |
| 85.53676137 | 183.00 | 2.1 | 410 | 4.8 | |
| 46.04305195 | 183.00 | 4.0 | 410 | 8.9 | |
| 672.5447312 | 183.00 | 0.3 | 410 | 0.6 | |
| 4.599536482 | 183.00 | 39.8 | 410 | 89.1 | |
| 64.89480054 | 183.00 | 2.8 | 410 | 6.3 | |
| 8.050828994 | 183.00 | 22.7 | 410 | 50.9 | |
| 139.5035912 | 183.00 | 1.3 | 410 | 2.9 | |
| 15.08736139 | 183.00 | 12.1 | 410 | 27.2 | |
| 326.7263727 | 183.00 | 0.6 | 410 | 1.3 | |
| 77.96005121 | 183.00 | 2.3 | 410 | 5.3 | |
| 4473.553251 | 183.00 | 0.0 | 410 | 0.1 | |
| 2.042044249 | 183.00 | 89.6 | 410 | 200.8 | |

| | | | | | |
|-------------|--------|-------|-----|-------|---|
| 32.32010868 | 183.00 | 5.7 | 410 | 12.7 | |
| 2.894232234 | 183.00 | 63.2 | 410 | 141.7 | |
| 66.67386382 | 183.00 | 2.7 | 410 | 6.1 | |
| 4.608989359 | 183.00 | 39.7 | 410 | 89.0 | |
| 146.2970236 | 183.00 | 1.3 | 410 | 2.8 | |
| 18.82382965 | 183.00 | 9.7 | 410 | 21.8 | |
| 1346.650607 | 183.00 | 0.1 | 410 | 0.3 | |
| 22.06583268 | 183.00 | 8.3 | 410 | 18.6 | |
| 97.02374323 | 183.00 | 1.9 | 410 | 4.2 | |
| 45.60401183 | 183.00 | 4.0 | 410 | 9.0 | |
| 215.9414466 | 183.00 | 0.8 | 410 | 1.9 | |
| 97.59517677 | 183.00 | 1.9 | 410 | 4.2 | |
| 536.323781 | 183.00 | 0.3 | 410 | 0.8 | |
| 785.5804049 | 183.00 | 0.2 | 410 | 0.5 | |
| 9209.045294 | 183.00 | 0.0 | 410 | 0.0 | |
| 1.782968066 | 183.00 | 102.6 | 410 | 230.0 | |
| 7.407109473 | 183.00 | 24.7 | 410 | 55.4 | 1 |
| 3.57655789 | 183.00 | 51.2 | 410 | 114.6 | |
| 15.06443646 | 183.00 | 12.1 | 410 | 27.2 | |
| 7.214173949 | 183.00 | 25.4 | 410 | 56.8 | 1 |
| 31.17861659 | 183.00 | 5.9 | 410 | 13.2 | |
| 38.67936468 | 183.00 | 4.7 | 410 | 10.6 | |
| 198.6391418 | 183.00 | 0.9 | 410 | 2.1 | |
| 5.097538249 | 183.00 | 35.9 | 410 | 80.4 | |
| 97.36177934 | 183.00 | 1.9 | 410 | 4.2 | |
| 10.27715908 | 183.00 | 17.8 | 410 | 39.9 | |
| 216.3556111 | 183.00 | 0.8 | 410 | 1.9 | |
| 20.892437 | 183.00 | 8.8 | 410 | 19.6 | |
| 536.9288426 | 183.00 | 0.3 | 410 | 0.8 | |
| 118.7728075 | 183.00 | 1.5 | 410 | 3.5 | |
| 9211.500674 | 183.00 | 0.0 | 410 | 0.0 | |
| 0.421408175 | 183.00 | 434.3 | 410 | 972.9 | |

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|-------------|--------|-------|-----|-------|---|
| 7.430844534 | 183.00 | 24.6 | 410 | 55.2 | 1 |
| 0.843560717 | 183.00 | 216.9 | 410 | 486.0 | |
| 15.08901307 | 183.00 | 12.1 | 410 | 27.2 | |
| 1.690574797 | 183.00 | 108.2 | 410 | 242.5 | |
| 31.20488533 | 183.00 | 5.9 | 410 | 13.1 | |
| 8.586589421 | 183.00 | 21.3 | 410 | 47.7 | 1 |
| 198.6786061 | 183.00 | 0.9 | 410 | 2.1 | |
| 0.843377458 | 183.00 | 217.0 | 410 | 486.1 | |
| 1.148749453 | 183.00 | 159.3 | 410 | 356.9 | |
| 0.877318936 | 183.00 | 208.6 | 410 | 467.3 | |
| 1.488671914 | 183.00 | 122.9 | 410 | 275.4 | |
| 0.945204849 | 183.00 | 193.6 | 410 | 433.8 | |
| 2.169363242 | 183.00 | 84.4 | 410 | 189.0 | |
| 1.498903311 | 183.00 | 122.1 | 410 | 273.5 | |
| 7.653891798 | 183.00 | 23.9 | 410 | 53.6 | |
| 0.585194265 | 183.00 | 312.7 | 410 | 700.6 | |
| 1.98533765 | 183.00 | 92.2 | 410 | 206.5 | |
| 0.588556174 | 183.00 | 310.9 | 410 | 696.6 | |
| 2.940365004 | 183.00 | 62.2 | 410 | 139.4 | |
| 0.5952791 | 183.00 | 307.4 | 410 | 688.8 | |
| 4.857846879 | 183.00 | 37.7 | 410 | 84.4 | |
| 0.657002941 | 183.00 | 278.5 | 410 | 624.0 | |
| 20.56299999 | 183.00 | 8.9 | 410 | 19.9 | |
| 12.0027111 | 183.00 | 15.2 | 410 | 34.2 | |
| 63.30781109 | 183.00 | 2.9 | 410 | 6.5 | |
| 24.54270083 | 183.00 | 7.5 | 410 | 16.7 | |
| 137.6446684 | 183.00 | 1.3 | 410 | 3.0 | |
| 51.30801744 | 183.00 | 3.6 | 410 | 8.0 | |
| 324.2521938 | 183.00 | 0.6 | 410 | 1.3 | |
| 351.6952348 | 183.00 | 0.5 | 410 | 1.2 | |
| 4463.820798 | 183.00 | 0.0 | 410 | 0.1 | |
| 1.479279537 | 183.00 | 123.7 | 410 | 277.2 | |
| 4.514977592 | 183.00 | 40.5 | 410 | 90.8 | |
| 2.960758937 | 183.00 | 61.8 | 410 | 138.5 | |
| 9.044889659 | 183.00 | 20.2 | 410 | 45.3 | 1 |

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|-------------|--------|------|-----|------|--|
| 5.958183468 | 183.00 | 30.7 | 410 | 68.8 | |
| 18.40840631 | 183.00 | 9.9 | 410 | 22.3 | |
| 31.54865768 | 183.00 | 5.8 | 410 | 13.0 | |
| 107.8337931 | 183.00 | 1.7 | 410 | 3.8 | |

| Central Tendency | High End | Poet et al. (2016) Chronic POD (mg/L) | No respirator MOE for AUC (benchmark MOE = 30) | What if | Central Tendency |
|------------------|----------|---------------------------------------|--|---------|------------------|
| | | 470 | 31.4 | | 1 |
| | | 470 | 7.4 | | |
| | | 470 | 15.3 | | |
| | | 470 | 3.4 | | |
| | | 470 | 7.2 | | |
| | | 470 | 1.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 256.5 | | |
| | | 470 | 29.8 | | |
| | | 470 | 128.0 | | |
| | | 470 | 14.6 | | |
| | | 470 | 63.5 | 1 | |
| | | 470 | 6.9 | | |
| | | 470 | 11.8 | | |
| | | 470 | 0.9 | | |
| | | 470 | 31.4 | | 1 |
| | | 470 | 7.4 | | |
| | | 470 | 15.3 | | |
| | | 470 | 3.4 | | |
| | | 470 | 7.2 | | |
| | | 470 | 1.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 256.5 | | |
| | | 470 | 29.8 | | |
| | | 470 | 128.0 | | |
| | | 470 | 14.6 | | |
| | | 470 | 63.5 | 1 | |
| | | 470 | 6.9 | | |
| | | 470 | 11.8 | | |
| | | 470 | 0.9 | | |
| | | 470 | 31.4 | | 1 |
| | | 470 | 7.4 | | |
| | | 470 | 15.3 | | |
| | | 470 | 3.4 | | |

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|--|--|-----|-------|---|---|
| | | 470 | 7.2 | | |
| | | 470 | 1.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 352.8 | | |
| | | 470 | 174.2 | | |
| | | 470 | 176.7 | | |
| | | 470 | 87.3 | | |
| | | 470 | 88.0 | | |
| | | 470 | 43.3 | 1 | |
| | | 470 | 16.7 | | |
| | | 470 | 7.8 | | |
| | | 470 | 31.4 | | 1 |
| | | 470 | 7.4 | | |
| | | 470 | 15.3 | | |
| | | 470 | 3.4 | | |
| | | 470 | 7.2 | | |
| | | 470 | 1.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 419.7 | | |
| | | 470 | 7.5 | | |
| | | 470 | 215.9 | | |
| | | 470 | 3.5 | | |
| | | 470 | 109.2 | | |
| | | 470 | 1.5 | | |
| | | 470 | 21.5 | | |
| | | 470 | 0.1 | | |
| | | 470 | 352.8 | | |
| | | 470 | 174.2 | | |
| | | 470 | 176.7 | | |
| | | 470 | 87.3 | | |
| | | 470 | 88.0 | | |
| | | 470 | 43.3 | 1 | |
| | | 470 | 16.7 | | |

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|--|---|-----|--------|--|--|
| | | 470 | 7.8 | | |
| | | 470 | 3928.7 | | |
| | 1 | 470 | 47.6 | | |
| | | 470 | 2507.5 | | |
| | | 470 | 24.6 | | |
| | | 470 | 1455.1 | | |
| | | 470 | 12.3 | | |
| | | 470 | 333.7 | | |
| | | 470 | 2.0 | | |
| | | 470 | 6383.1 | | |
| | 1 | 470 | 52.2 | | |
| | | 470 | 3323.9 | | |
| | | 470 | 25.8 | | |
| | | 470 | 1696.9 | | |
| | | 470 | 12.6 | | |
| | | 470 | 345.2 | | |
| | | 470 | 2.1 | | |
| | | 470 | 1796.7 | | |
| | 1 | 470 | 49.4 | | |
| | | 470 | 1426.9 | | |
| | | 470 | 25.1 | | |
| | | 470 | 1010.6 | | |
| | | 470 | 12.4 | | |
| | | 470 | 302.6 | | |
| | | 470 | 2.0 | | |
| | | 470 | 535.7 | | |
| | 1 | 470 | 48.0 | | |
| | | 470 | 497.2 | | |
| | | 470 | 24.7 | | |
| | | 470 | 434.7 | | |
| | | 470 | 12.3 | | |
| | | 470 | 215.6 | | |
| | | 470 | 2.0 | | |
| | | 470 | 2457.4 | | |
| | | 470 | 483.7 | | |
| | | 470 | 1302.7 | | |
| | | 470 | 244.3 | | |
| | | 470 | 671.3 | | |
| | | 470 | 122.5 | | |
| | | 470 | 137.2 | | |

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|---|--|-----|-----------|--|---|
| | | 470 | 24.1 | | |
| | | 470 | 8235.8 | | |
| | | 470 | 3897.5 | | |
| | | 470 | 5088.7 | | |
| | | 470 | 2142.3 | | |
| | | 470 | 2884.9 | | |
| | | 470 | 1126.9 | | |
| | | 470 | 646.5 | | |
| | | 470 | 234.7 | | |
| | | 470 | 1485519.3 | | |
| | | 470 | 1485519.3 | | |
| | | 470 | 297963.8 | | |
| | | 470 | 297963.8 | | |
| | | 470 | 136.5 | | |
| | | 470 | 9.7 | | |
| 1 | | 470 | 68.3 | | 1 |
| | | 470 | 4.6 | | |
| | | 470 | 33.8 | | 1 |
| | | 470 | 2.0 | | |
| | | 470 | 6.1 | | |
| | | 470 | 0.2 | | |
| | | 470 | 131.0 | | |
| | | 470 | 9.8 | | |
| 1 | | 470 | 66.9 | | 1 |
| | | 470 | 4.6 | | |
| | | 470 | 33.5 | | 1 |
| | | 470 | 2.0 | | |
| | | 470 | 6.1 | | |
| | | 470 | 0.2 | | |
| | | 470 | 111.6 | | |
| | | 470 | 9.8 | | |
| 1 | | 470 | 61.4 | | 1 |
| | | 470 | 4.6 | | |
| | | 470 | 32.0 | | 1 |
| | | 470 | 2.0 | | |

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|---|--|-----|-------|---|---|
| | | 470 | 6.1 | | |
| | | 470 | 0.2 | | |
| 1 | | 470 | 62.7 | | 1 |
| | | 470 | 13.2 | | |
| 1 | | 470 | 54.9 | | 1 |
| | | 470 | 7.8 | | |
| 1 | | 470 | 43.9 | | 1 |
| | | 470 | 4.1 | | |
| | | 470 | 16.5 | | |
| | | 470 | 0.6 | | |
| | | 470 | 807.7 | | |
| | | 470 | 48.1 | 1 | |
| | | 470 | 558.9 | | |
| | | 470 | 37.3 | 1 | |
| | | 470 | 345.6 | | |
| | | 470 | 25.6 | | |
| | | 470 | 84.6 | | |
| | | 470 | 6.7 | | |
| | | 470 | 247.6 | | |
| | | 470 | 30.0 | | |
| | | 470 | 130.2 | | |
| | | 470 | 15.1 | | |
| 1 | | 470 | 66.5 | | 1 |
| | | 470 | 7.4 | | |
| | | 470 | 12.9 | | |

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|---|---|-----|-------|---|---|
| | | 470 | 1.1 | | |
| 1 | | 470 | 48.7 | | 1 |
| | | 470 | 7.4 | | |
| | | 470 | 24.1 | | |
| | | 470 | 3.4 | | |
| | | 470 | 11.7 | | |
| | | 470 | 1.5 | | |
| | | 470 | 1.8 | | |
| | | 470 | 0.1 | | |
| | | 470 | 405.6 | | |
| | | 470 | 7.6 | | |
| | | 470 | 211.1 | | |
| | | 470 | 3.5 | | |
| | | 470 | 107.5 | | |
| | | 470 | 1.5 | | |
| | | 470 | 21.2 | | |
| | | 470 | 0.1 | | |
| | | 470 | 351.1 | | |
| | 1 | 470 | 35.6 | | |
| | | 470 | 330.2 | | |
| | | 470 | 26.3 | | |
| | | 470 | 294.9 | | |
| | | 470 | 17.2 | | |
| | | 470 | 158.1 | | |
| | | 470 | 4.2 | | |
| | | 470 | 921.6 | | |
| | | 470 | 125.6 | | |
| | | 470 | 884.8 | | |
| | | 470 | 109.0 | | |
| | | 470 | 819.5 | | |
| | | 470 | 86.2 | | |
| | | 470 | 511.6 | | |
| | | 470 | 31.8 | 1 | |
| | | 470 | 31.4 | | 1 |
| | | 470 | 7.3 | | |
| | | 470 | 15.3 | | |
| | | 470 | 3.4 | | |
| | | 470 | 7.2 | | |
| | | 470 | 1.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 63.6 | 1 | |
| | | 470 | 31.3 | 1 | |
| | | 470 | 31.3 | 1 | |
| | | 470 | 15.2 | | |
| | | 470 | 15.2 | | |

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|---|--|-----|---------|---|---|
| | | 470 | 7.1 | | |
| | | 470 | 2.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 90.9 | | |
| | | 470 | 11.1 | | |
| 1 | | 470 | 45.4 | | 1 |
| | | 470 | 5.3 | | |
| | | 470 | 22.4 | | |
| | | 470 | 2.4 | | |
| | | 470 | 4.0 | | |
| | | 470 | 0.2 | | |
| | | 470 | 6637.0 | | |
| | | 470 | 138.2 | | |
| | | 470 | 3342.4 | | |
| | | 470 | 68.7 | 1 | |
| | | 470 | 1676.9 | | |
| | | 470 | 33.8 | 1 | |
| | | 470 | 336.0 | | |
| | | 470 | 6.0 | | |
| | | 470 | 28280.9 | | |
| | | 470 | 1760.3 | | |
| | | 470 | 184.1 | | |
| | | 470 | 11.0 | | |
| | | 470 | 91.7 | | |
| | | 470 | 5.3 | | |
| 1 | | 470 | 45.5 | | 1 |
| | | 470 | 2.4 | | |
| | | 470 | 8.5 | | |
| | | 470 | 0.2 | | |
| | | 470 | 33714.1 | | |
| | | 470 | 414.4 | | |
| | | 470 | 16864.1 | | |
| | | 470 | 207.7 | | |
| | | 470 | 8434.3 | | |
| | | 470 | 103.5 | | |
| | | 470 | 1690.1 | | |
| | | 470 | 19.8 | | |
| | | 470 | 73578.1 | | |
| | | 470 | 1620.0 | | |
| | | 470 | 3190.4 | | |
| | | 470 | 413.5 | | |
| | | 470 | 1712.7 | | |
| | | 470 | 217.9 | | |

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|---|--|-----|----------|---|---|
| | | 470 | 888.9 | | |
| | | 470 | 111.8 | | |
| | | 470 | 183.1 | | |
| | | 470 | 22.4 | | |
| | | 470 | 1822.8 | | |
| | | 470 | 472.6 | | |
| | | 470 | 978.5 | | |
| | | 470 | 249.1 | | |
| | | 470 | 507.7 | | |
| | | 470 | 127.8 | | |
| | | 470 | 104.4 | | |
| | | 470 | 25.7 | | |
| | | 470 | 327668.7 | | |
| | | 470 | 28736.0 | | |
| | | 470 | 184.0 | | |
| | | 470 | 4.8 | | |
| | | 470 | 91.7 | | |
| | | 470 | 2.2 | | |
| 1 | | 470 | 45.5 | | 1 |
| | | 470 | 0.9 | | |
| | | 470 | 8.5 | | |
| | | 470 | 0.1 | | |
| | | 470 | 9542.7 | | |
| | | 470 | 5.3 | | |
| | | 470 | 4773.8 | | |
| | | 470 | 2.4 | | |
| | | 470 | 2387.2 | | |
| | | 470 | 1.0 | | |
| | | 470 | 477.5 | | |
| | | 470 | 0.1 | | |
| | | 470 | 6719.6 | | |
| | | 470 | 182.6 | | |
| | | 470 | 29.5 | | |
| | | 470 | 7.3 | | |
| | | 470 | 14.8 | | |
| | | 470 | 3.4 | | |
| | | 470 | 7.1 | | |
| | | 470 | 1.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 56.3 | 1 | |
| | | 470 | 29.4 | | |
| | | 470 | 29.4 | | |

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|---|--|-----|--------|---|---|
| | | 470 | 14.7 | | |
| | | 470 | 14.7 | | |
| | | 470 | 7.0 | | |
| | | 470 | 2.4 | | |
| | | 470 | 1.0 | | |
| | | 470 | 2150.6 | | |
| | | 470 | 242.0 | | |
| 1 | | 470 | 39.0 | | 1 |
| | | 470 | 9.3 | | |
| | | 470 | 19.1 | | |
| | | 470 | 4.4 | | |
| | | 470 | 9.1 | | |
| | | 470 | 1.9 | | |
| | | 470 | 1.3 | | |
| | | 470 | 0.2 | | |
| | | 470 | 78.7 | | |
| | | 470 | 38.9 | 1 | |
| | | 470 | 38.9 | 1 | |
| | | 470 | 19.0 | | |
| | | 470 | 19.0 | | |
| | | 470 | 9.0 | | |
| | | 470 | 3.1 | | |
| | | 470 | 1.3 | | |
| | | 470 | 3118.6 | | |
| | | 470 | 315.9 | | |
| | | 470 | 118.1 | | |
| | | 470 | 6.4 | | |
| 1 | | 470 | 63.3 | | 1 |
| | | 470 | 3.1 | | |
| | | 470 | 32.5 | | 1 |
| | | 470 | 1.4 | | |
| | | 470 | 6.1 | | |
| | | 470 | 0.1 | | |
| | | 470 | 107.8 | | |
| | | 470 | 21.5 | | |
| 1 | | 470 | 60.2 | | 1 |
| | | 470 | 12.9 | | |
| | | 470 | 31.7 | | 1 |
| | | 470 | 7.0 | | |
| | | 470 | 6.1 | | |
| | | 470 | 1.1 | | |
| | | 470 | 177.1 | | |
| | | 470 | 25.5 | | |

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|---|--|-----|-------|---|---|
| | | 470 | 107.7 | | |
| | | 470 | 16.0 | | |
| | | 470 | 60.1 | 1 | |
| | | 470 | 9.0 | | |
| | | 470 | 12.6 | | |
| | | 470 | 1.6 | | |
| | | 470 | 122.8 | | |
| | | 470 | 29.9 | | |
| 1 | | 470 | 64.7 | | 1 |
| | | 470 | 15.6 | | |
| | | 470 | 32.9 | | 1 |
| | | 470 | 7.8 | | |
| | | 470 | 6.1 | | |
| | | 470 | 1.2 | | |
| | | 470 | 552.1 | | |
| | | 470 | 171.4 | | |
| | | 470 | 368.8 | | |
| | | 470 | 130.7 | | |
| | | 470 | 221.4 | | |
| | | 470 | 88.4 | | |
| | | 470 | 52.0 | 1 | |
| | | 470 | 24.0 | | |
| | | 470 | 135.6 | | |
| | | 470 | 7.3 | | |
| 1 | | 470 | 68.1 | | 1 |
| | | 470 | 3.4 | | |
| | | 470 | 33.8 | | 1 |
| | | 470 | 1.4 | | |
| | | 470 | 6.1 | | |
| | | 470 | 0.1 | | |
| | | 470 | 214.7 | | |
| | | 470 | 23.8 | | |
| | | 470 | 108.7 | | |
| | | 470 | 11.7 | | |
| | | 470 | 54.3 | 1 | |
| | | 470 | 5.5 | | |
| | | 470 | 10.2 | | |
| | | 470 | 0.7 | | |
| | | 470 | 102.2 | | |
| | | 470 | 7.2 | | |
| 1 | | 470 | 58.4 | | 1 |
| | | 470 | 3.4 | | |
| | | 470 | 31.2 | | 1 |
| | | 470 | 1.4 | | |
| | | 470 | 6.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 230.2 | | |

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|---|--|-----|--------|---|---|
| | | 470 | 14.5 | | |
| | | 470 | 162.4 | | |
| | | 470 | 7.0 | | |
| | | 470 | 102.0 | | |
| | | 470 | 3.2 | | |
| | | 470 | 25.0 | | |
| | | 470 | 0.3 | | |
| | | 470 | 21.3 | | |
| | | 470 | 4.8 | | |
| | | 470 | 10.3 | | |
| | | 470 | 2.2 | | |
| | | 470 | 4.8 | | |
| | | 470 | 0.9 | | |
| | | 470 | 0.6 | | |
| | | 470 | 0.1 | | |
| | | 470 | 263.6 | | |
| | | 470 | 63.5 | 1 | |
| | | 470 | 131.4 | | |
| | | 470 | 31.2 | 1 | |
| | | 470 | 65.1 | 1 | |
| | | 470 | 15.1 | | |
| | | 470 | 12.2 | | |
| | | 470 | 2.4 | | |
| | | 470 | 92.2 | | |
| | | 470 | 4.8 | | |
| 1 | | 470 | 45.7 | | 1 |
| | | 470 | 2.2 | | |
| | | 470 | 22.5 | | |
| | | 470 | 0.9 | | |
| | | 470 | 4.0 | | |
| | | 470 | 0.1 | | |
| | | 470 | 1115.3 | | |

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|---|---|-----|-------------|---|---|
| | | 470 | 63.2 | 1 | |
| | | 470 | 557.2 | | |
| | | 470 | 31.1 | 1 | |
| | | 470 | 278.0 | | |
| | | 470 | 15.1 | | |
| | | 470 | 54.7 | 1 | |
| | | 470 | 2.4 | | |
| | | 470 | 557.3 | | |
| | | 470 | 409.1 | | |
| | | 470 | 535.7 | | |
| | | 470 | 315.7 | | |
| | | 470 | 497.2 | | |
| | | 470 | 216.7 | | |
| | | 470 | 313.6 | | |
| | 1 | 470 | 61.4 | | |
| | | 470 | 803.2 | | |
| | | 470 | 236.7 | | |
| | | 470 | 798.6 | | |
| | | 470 | 159.8 | | |
| | | 470 | 789.5 | | |
| | | 470 | 96.8 | | |
| | | 470 | 715.4 | | |
| | | 470 | 22.9 | | |
| 1 | | 470 | 39.2 | | 1 |
| | | 470 | 7.4 | | |
| | | 470 | 19.2 | | |
| | | 470 | 3.4 | | |
| | | 470 | 9.2 | | |
| | | 470 | 1.4 | | |
| | | 470 | 1.3 | | |
| | | 470 | 0.1 | | |
| | | 470 | 317.7 | | |
| | | 470 | 104.1 | | |
| | | 470 | 158.7 | | |
| | | 470 | 52.0 | 1 | |

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|--|--|-----|------|--|--|
| | | 470 | 78.9 | | |
| | | 470 | 25.5 | | |
| | | 470 | 14.9 | | |
| | | 470 | 4.4 | | |

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| Life cycle stage/ category | Exposure level / PPE | Exposure scenario | Male ONU, AUC, no respirator |
|--------------------------------|----------------------|--------------------|------------------------------------|
| 1 - MFG | central no gloves | bulk containers | 0.06 |
| 1 - MFG | high-end no gloves | drums | 0.41 |
| 1 - MFG | what-if no gloves | bulk containers | 0.02 |
| 1 - MFG | what-if no gloves | drums | 0.33 |
| 2 - import | central no gloves | bulk containers | 0.06 |
| 2 - import | high-end no gloves | drums | 0.41 |
| 2 - import | what-if no gloves | bulk containers | 0.02 |
| 2 - import | what-if no gloves | drums | 0.33 |
| 3 - Chemical processing | central no gloves | drums | 0.07 |
| 3 - Chemical processing | high-end no gloves | drums | 0.16 |
| 3 - Chemical processing | what-if no gloves | drums | 0.02 |
| 3 - Chemical processing | what-if no gloves | drums | 0.06 |
| 4 - Formulation | central no gloves | drums - liquid NMP | 0.07 |
| 4 - Formulation | high-end no gloves | drums - liquid NMP | 0.16 |
| 4 - Formulation | central no gloves | misc - liquid NMP | 0.07 |
| 4 - Formulation | high-end no gloves | misc - liquid NMP | 1.38 |
| 4 - Formulation | what-if no gloves | drums - liquid NMP | 0.02 |
| 4 - Formulation | what-if no gloves | drums - liquid NMP | 0.06 |
| 5 - coatings | central no gloves | spray application | 0.05 |
| 5 - coatings | high-end no gloves | spray application | 0.93 |
| 5 - coatings | central no gloves | roll / curtain | 0.01 |
| 5 - coatings | high-end no gloves | roll / curtain | 0.05 |
| 5 - coatings | central no gloves | dip | 0.20 |
| 5 - coatings | high-end no gloves | dip | 0.57 |
| 5 - coatings | central no gloves | brush | 0.84 |
| 5 - coatings | high-end no gloves | brush | 0.85 |
| 6 - printing / writing | central no gloves | printing | 0.02 |
| 6 - printing / writing | high-end no gloves | printing | 0.02 |
| 6 - printing / writing | what-if no gloves | printing | 0.02 |
| 6 - printing / writing | what-if no gloves | printing | 0.02 |
| 6 - printing / writing | central no gloves | writing | 0.00 |

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|--------------------------------------|--------------------|-----------------------------|----------|
| 6 - printing / writing | high-end no gloves | writing | 0.00 |
| 7 - metal finishing | central no gloves | spray application | 0.07 |
| 7 - metal finishing | high-end no gloves | spray application | 1.00 |
| 7 - metal finishing | central no gloves | dip | 0.21 |
| 7 - metal finishing | high-end no gloves | dip | 0.64 |
| 7 - metal finishing | central no gloves | brush | 0.85 |
| 7 - metal finishing | high-end no gloves | brush | 0.92 |
| 8 - paint and coating removal | central no gloves | misc removal | 6.67 |
| 8 - paint and coating removal | high-end no gloves | misc removal | 13.24 |
| 8 - paint and coating removal | what-if no gloves | misc removal | 3.35E-01 |
| 8 - paint and coating removal | what-if no gloves | misc removal | 7.22E+00 |
| 8 - paint and coating removal | central no gloves | graffiti removal | 0.21 |
| 8 - paint and coating removal | high-end no gloves | graffiti removal | 0.94 |
| 9 - cleaning | central no gloves | Dip Cleaning | 0.15 |
| 9 - cleaning | high-end no gloves | Dip Cleaning | 0.65 |
| 9 - cleaning | central no gloves | Spray / Wipe Cleaning | 0.10 |
| 9 - cleaning | high-end no gloves | Spray / Wipe Cleaning | 0.65 |
| 10 - auto | central no gloves | Aerosol Degreasing | 1.30 |
| 10 - auto | high-end no gloves | Aerosol Degreasing | 8.91 |
| 10 - auto | what-if no gloves | Aerosol Degreasing | 0.51 |
| 10 - auto | what-if no gloves | Aerosol Degreasing | 3.29 |
| 11 - lab | central no gloves | lab | 0.06 |
| 11 - lab | high-end no gloves | lab | 0.95 |
| 11 - lab | what-if no gloves | lab | 0.04 |
| 11 - lab | what-if no gloves | lab | 0.04 |
| 12 - electronics | central no gloves | or - Container handling, sm | 0.10 |
| 12 - electronics | high-end no gloves | or - Container handling, sm | 0.26 |
| 12 - electronics | what-if no gloves | or - Container handling, sm | 0.00 |
| 12 - electronics | what-if no gloves | or - Container handling, sm | 0.02 |

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| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Container handling, small containers | 0.01 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Container handling, small containers | 0.02 |
| 12 - electronics | central no gloves | ductor - Container handling | 0.01 |
| 12 - electronics | high-end no gloves | ductor - Container handling | 0.54 |
| 12 - electronics | what-if no gloves | ductor - Container handling | 0.00 |
| 12 - electronics | what-if no gloves | ductor - Container handling | 0.02 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Container handling, drums | 0.00 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Container handling, drums | 0.05 |
| 12 - electronics | central gloves PF 20 | Semiconductor - Fab worker | 0.02 |
| 12 - electronics | high-end gloves PF 20 | Semiconductor - Fab worker | 0.12 |
| 12 - electronics | central gloves PF 10 | Semiconductor - Fab worker | 0.02 |
| 12 - electronics | high-end gloves PF 10 | Semiconductor - Fab worker | 0.12 |
| 12 - electronics | central gloves PF 5 | Semiconductor - Fab worker | 0.02 |
| 12 - electronics | high-end gloves PF 5 | Semiconductor - Fab worker | 0.12 |
| 12 - electronics | central PF 1 | Semiconductor - Fab worker | 0.02 |
| 12 - electronics | high-end PF 1 | Semiconductor - Fab worker | 0.12 |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Fab worker | 0.04 |
| 12 - electronics | what-if gloves PF 20 | Semiconductor - Fab worker | 0.10 |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Fab worker | 0.04 |
| 12 - electronics | what-if gloves PF 10 | Semiconductor - Fab worker | 0.10 |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Fab worker | 0.04 |
| 12 - electronics | what-if gloves PF 5 | Semiconductor - Fab worker | 0.10 |
| 12 - electronics | what-if PF 1 | Semiconductor - Fab worker | 0.04 |
| 12 - electronics | what-if PF 1 | Semiconductor - Fab worker | 0.11 |
| 12 - electronics | industry-proposed what-if PF 20 | Semiconductor - Fab worker | 0.04 |
| 12 - electronics | industry-proposed what-if PF 20 | Semiconductor - Fab worker | 0.12 |
| 12 - electronics | industry-proposed what-if PF 20 | Semiconductor - Fab worker with container changeout | 0.00 |
| 12 - electronics | industry-proposed what-if PF 20 | Semiconductor - Fab worker with container changeout | 0.01 |
| 12 - electronics | central no gloves | emiconductor - Maintenance | 0.01 |
| 12 - electronics | high-end no gloves | emiconductor - Maintenance | 0.37 |
| 12 - electronics | what-if no gloves | emiconductor - Maintenance | 0.00 |
| 12 - electronics | what-if no gloves | emiconductor - Maintenance | 0.34 |

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| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Maintenance | 0.00 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Maintenance | 0.03 |
| 12 - electronics | central no gloves | ductor - Virgin NMP truck | 1.02 |
| 12 - electronics | high-end no gloves | ductor - Virgin NMP truck | 1.08 |
| 12 - electronics | what-if no gloves | ductor - Virgin NMP truck | 1.00 |
| 12 - electronics | what-if no gloves | ductor - Virgin NMP truck | 1.00 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Virgin NMP truck unloading | 0.04 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Virgin NMP truck unloading | 0.14 |
| 12 - electronics | central no gloves | conductor - Waste truck lo | 0.12 |
| 12 - electronics | high-end no gloves | conductor - Waste truck lo | 0.23 |
| 12 - electronics | what-if no gloves | conductor - Waste truck lo | 0.06 |
| 12 - electronics | what-if no gloves | conductor - Waste truck lo | 0.06 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Waste truck loading | 0.01 |
| 12 - electronics | industry-proposed what-if no gloves | Semiconductor - Waste truck loading | 0.03 |
| 12 - electronics | central no gloves | r, Coil, Transformer, and C | 0.61 |
| 12 - electronics | high-end no gloves | r, Coil, Transformer, and C | 9.18 |
| 12 - electronics | central no gloves | lithium ion - Cathode coatir | 1.00 |
| 12 - electronics | high-end no gloves | lithium ion - Cathode coatir | 8.16 |
| 12 - electronics | what-if no gloves | lithium ion - Cathode coatir | 0.99 |
| 12 - electronics | what-if no gloves | lithium ion - Cathode coatir | 8.16 |
| 12 - electronics | central no gloves | Lithium ion - Cathode slurry mixing | 0.46 |
| 12 - electronics | high-end no gloves | Lithium ion - Cathode slurry mixing | 1.98 |
| 12 - electronics | what-if no gloves | Lithium ion - Cathode slurry mixing | 0.45 |
| 12 - electronics | what-if no gloves | Lithium ion - Cathode slurry mixing | 1.96 |
| 12 - electronics | central no gloves | n ion - Research and develo | 0.09 |
| 12 - electronics | high-end no gloves | n ion - Research and develo | 0.93 |
| 12 - electronics | what-if no gloves | n ion - Research and develo | 0.08 |
| 12 - electronics | what-if no gloves | n ion - Research and develo | 0.86 |
| 12 - electronics | central no gloves | Lithium ion - Misc | 1.25 |
| 12 - electronics | high-end no gloves | Lithium ion - Misc | 1.6 |
| 12 - electronics | what-if no gloves | Lithium ion - Misc | 1.237953384 |
| 12 - electronics | what-if no gloves | Lithium ion - Misc | 1.536687914 |
| 12 - electronics | central no gloves | Lithium ion - small container handling | 0.156195326 |
| 12 - electronics | high-end no gloves | Lithium ion - small container handling | 0.347227225 |
| 12 - electronics | what-if no gloves | Lithium ion - small container handling | 0.013010004 |

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| 12 - electronics | what-if no gloves | Lithium ion - small container handling | 0.028922745 |
| 12 - electronics | central no gloves | Lithium ion - drum handling | 0.020814286 |
| 12 - electronics | high-end no gloves | Lithium ion - drum handling | 0.631830312 |
| 12 - electronics | what-if no gloves | Lithium ion - drum handling | 0.001733457 |
| 12 - electronics | what-if no gloves | Lithium ion - drum handling | 0.052612705 |
| 13 - solder | central no gloves | soldering | 0.837655611 |
| 13 - solder | high-end no gloves | soldering | 0.837809655 |
| 14 - fertilizer | central no gloves | hual spray or boom applica | 0.602028326 |
| 14 - fertilizer | high-end no gloves | hual spray or boom applica | 1.070390889 |
| 16 - disposal and recycling | central no gloves | bulk containers | 0.053326086 |
| 16 - disposal and recycling | high-end no gloves | drums | 0.197619545 |
| 16 - disposal and recycling | what-if no gloves | bulk containers | 0.015078426 |
| 16 - disposal and recycling | what-if no gloves | drums | 0.097455898 |

| Exxon (1991) Chronic POD (mg/L) | No respirator MOE for AUC (benchmark MOE = 30) | USEPA (2015) Chronic POD (mg/L) | No respirator MOE for AUC (benchmark MOE = 30) | What if | Central Tendency |
|--|---|--|---|----------------|-----------------------------|
| 183.00 | 2869.7 | 410 | 6429.4 | | |
| 183.00 | 442.5 | 410 | 991.4 | | |
| 183.00 | 11170.3 | 410 | 25026.3 | | |
| 183.00 | 549.4 | 410 | 1230.8 | | |
| 183.00 | 2869.7 | 410 | 6429.4 | | |
| 183.00 | 442.5 | 410 | 991.4 | | |
| 183.00 | 11170.3 | 410 | 25026.3 | | |
| 183.00 | 549.4 | 410 | 1230.8 | | |
| 183.00 | 2641.8 | 410 | 5918.8 | | |
| 183.00 | 1130.2 | 410 | 2532.1 | | |
| 183.00 | 9150.0 | 410 | 20500.0 | | |
| 183.00 | 3128.3 | 410 | 7008.8 | | |
| 183.00 | 2641.8 | 410 | 5918.8 | | |
| 183.00 | 1130.2 | 410 | 2532.1 | | |
| 183.00 | 2487.3 | 410 | 5572.6 | | |
| 183.00 | 132.6 | 410 | 297.2 | | |
| 183.00 | 9150.0 | 410 | 20500.0 | | |
| 183.00 | 3128.3 | 410 | 7008.8 | | |
| 183.00 | 3394.4 | 410 | 7605.0 | | |
| 183.00 | 196.6 | 410 | 440.5 | | |
| 183.00 | 28924.9 | 410 | 64804.5 | | |
| 183.00 | 3328.8 | 410 | 7457.9 | | |
| 183.00 | 911.5 | 410 | 2042.2 | | |
| 183.00 | 319.0 | 410 | 714.6 | | |
| 183.00 | 218.4 | 410 | 489.4 | | |
| 183.00 | 214.4 | 410 | 480.3 | | |
| 183.00 | 7888.2 | 410 | 17673.1 | | |
| 183.00 | 7520.0 | 410 | 16848.0 | | |
| 183.00 | 8061.2 | 410 | 18060.5 | | |
| 183.00 | 8042.5 | 410 | 18018.7 | | |
| 183.00 | 1159298.7 | 410 | 2597335.9 | | |

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| 183.00 | 580041.6 | 410 | 1299546.9 | | |
| 183.00 | 2763.4 | 410 | 6191.2 | | |
| 183.00 | 183.5 | 410 | 411.2 | | |
| 183.00 | 858.8 | 410 | 1924.1 | | |
| 183.00 | 286.0 | 410 | 640.7 | | |
| 183.00 | 215.3 | 410 | 482.3 | | |
| 183.00 | 198.9 | 410 | 445.7 | | |
| 183.00 | 27.4 | 410 | 61.5 | | 1 |
| 183.00 | 13.8 | 410 | 31.0 | | |
| 183.00 | 545.8 | 410 | 1222.8 | | |
| 183.00 | 25.4 | 410 | 56.8 | 1 | |
| 183.00 | 867.8 | 410 | 1944.2 | | |
| 183.00 | 194.0 | 410 | 434.6 | | |
| 183.00 | 1217.3 | 410 | 2727.3 | | |
| 183.00 | 281.0 | 410 | 629.6 | | |
| 183.00 | 1773.6 | 410 | 3973.5 | | |
| 183.00 | 280.4 | 410 | 628.3 | | |
| 183.00 | 141.1 | 410 | 316.0 | | |
| 183.00 | 20.5 | 410 | 46.0 | | |
| 183.00 | 361.8 | 410 | 810.5 | | |
| 183.00 | 55.7 | 410 | 124.8 | | |
| 183.00 | 2847.1 | 410 | 6378.7 | | |
| 183.00 | 193.5 | 410 | 433.5 | | |
| 183.00 | 4919.8 | 410 | 11022.6 | | |
| 183.00 | 4919.8 | 410 | 11022.6 | | |
| 183.00 | 1909.4 | 410 | 4277.9 | | |
| 183.00 | 704.2 | 410 | 1577.8 | | |
| 183.00 | 137506.9 | 410 | 308075.6 | | |
| 183.00 | 8453.3 | 410 | 18939.1 | | |

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| 183.00 | 34502.6 | 410 | 77300.9 | | |
| 183.00 | 8404.1 | 410 | 18828.8 | | |
| 183.00 | 15989.1 | 410 | 35822.5 | | |
| 183.00 | 336.2 | 410 | 753.1 | | |
| 183.00 | 2909321.4 | 410 | 6518151.7 | | |
| 183.00 | 12115.2 | 410 | 27143.3 | | |
| 183.00 | 291393.6 | 410 | 652849.1 | | |
| 183.00 | 4008.0 | 410 | 8979.8 | | |
| 183.00 | 9024.6 | 410 | 20219.1 | | |
| 183.00 | 1538.0 | 410 | 3445.7 | | |
| 183.00 | 9014.1 | 410 | 20195.4 | | |
| 183.00 | 1536.7 | 410 | 3442.9 | | |
| 183.00 | 8993.0 | 410 | 20148.3 | | |
| 183.00 | 1534.3 | 410 | 3437.4 | | |
| 183.00 | 8539.7 | 410 | 19132.7 | | |
| 183.00 | 1465.1 | 410 | 3282.4 | | |
| 183.00 | 5156.9 | 410 | 11553.7 | | |
| 183.00 | 1757.7 | 410 | 3938.0 | | |
| 183.00 | 5150.9 | 410 | 11540.2 | | |
| 183.00 | 1756.3 | 410 | 3934.8 | | |
| 183.00 | 5138.9 | 410 | 11513.3 | | |
| 183.00 | 1753.5 | 410 | 3928.6 | | |
| 183.00 | 4879.8 | 410 | 10932.8 | | |
| 183.00 | 1674.4 | 410 | 3751.3 | | |
| 183.00 | 4485.1 | 410 | 10048.5 | | |
| 183.00 | 1524.1 | 410 | 3414.7 | | |
| 183.00 | 163092.7 | 410 | 365398.9 | | |
| 183.00 | 18275.5 | 410 | 40945.0 | | |
| 183.00 | 14630.2 | 410 | 32778.1 | | |
| 183.00 | 491.7 | 410 | 1101.7 | | |
| 183.00 | 754890.0 | 410 | 1691283.7 | | |
| 183.00 | 536.4 | 410 | 1201.9 | | |

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|--------|----------|-----|----------|---|--|
| 183.00 | 266600.4 | 410 | 597301.5 | | |
| 183.00 | 5874.7 | 410 | 13162.0 | | |
| 183.00 | 178.7 | 410 | 400.4 | | |
| 183.00 | 169.8 | 410 | 380.4 | | |
| 183.00 | 183.5 | 410 | 411.2 | | |
| 183.00 | 183.5 | 410 | 411.2 | | |
| 183.00 | 4090.5 | 410 | 9164.6 | | |
| 183.00 | 1349.4 | 410 | 3023.4 | | |
| 183.00 | 1584.4 | 410 | 3549.7 | | |
| 183.00 | 792.1 | 410 | 1774.7 | | |
| 183.00 | 3169.1 | 410 | 7100.1 | | |
| 183.00 | 3169.1 | 410 | 7100.1 | | |
| 183.00 | 19112.7 | 410 | 42820.8 | | |
| 183.00 | 6305.7 | 410 | 14127.5 | | |
| 183.00 | 298.7 | 410 | 669.3 | | |
| 183.00 | 19.9 | 410 | 44.7 | | |
| 183.00 | 182.9 | 410 | 409.8 | | |
| 183.00 | 22.4 | 410 | 50.3 | | |
| 183.00 | 184.0 | 410 | 412.3 | | |
| 183.00 | 22.4 | 410 | 50.2 | 1 | |
| 183.00 | 401.0 | 410 | 898.4 | | |
| 183.00 | 92.6 | 410 | 207.4 | | |
| 183.00 | 410.8 | 410 | 920.3 | | |
| 183.00 | 93.5 | 410 | 209.4 | | |
| 183.00 | 2077.3 | 410 | 4654.0 | | |
| 183.00 | 196.9 | 410 | 441.1 | | |
| 183.00 | 2194.6 | 410 | 4916.9 | | |
| 183.00 | 213.9 | 410 | 479.3 | | |
| 183.00 | 146.8 | 410 | 328.9 | | |
| 183.00 | 115.1 | 410 | 257.9 | | |
| 183.00 | 147.8 | 410 | 331.2 | | |
| 183.00 | 119.1 | 410 | 266.8 | | |
| 183.00 | 1171.6 | 410 | 2624.9 | | |
| 183.00 | 527.0 | 410 | 1180.8 | | |
| 183.00 | 14066.1 | 410 | 31514.2 | | |

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|--------|----------|-----|----------|--|--|
| 183.00 | 6327.2 | 410 | 14175.7 | | |
| 183.00 | 8792.0 | 410 | 19698.0 | | |
| 183.00 | 289.6 | 410 | 648.9 | | |
| 183.00 | 105569.4 | 410 | 236521.6 | | |
| 183.00 | 3478.2 | 410 | 7792.8 | | |
| 183.00 | 218.5 | 410 | 489.5 | | |
| 183.00 | 218.4 | 410 | 489.4 | | |
| 183.00 | 304.0 | 410 | 681.0 | | |
| 183.00 | 171.0 | 410 | 383.0 | | |
| 183.00 | 3431.7 | 410 | 7688.5 | | |
| 183.00 | 926.0 | 410 | 2074.7 | | |
| 183.00 | 12136.5 | 410 | 27191.2 | | |
| 183.00 | 1877.8 | 410 | 4207.0 | | |

| High End | Poet et al. (2016) Chronic POD (mg/L) | No respirator MOE for AUC (benchmark MOE = 30) | What if | Central Tendency | High End |
|----------|---|---|---------|---------------------|----------|
| | 470 | 7370.3 | | | |
| | 470 | 1136.5 | | | |
| | 470 | 28688.7 | | | |
| | 470 | 1410.9 | | | |
| | 470 | 7370.3 | | | |
| | 470 | 1136.5 | | | |
| | 470 | 28688.7 | | | |
| | 470 | 1410.9 | | | |
| | 470 | 6785.0 | | | |
| | 470 | 2902.7 | | | |
| | 470 | 23500.0 | | | |
| | 470 | 8034.5 | | | |
| | 470 | 6785.0 | | | |
| | 470 | 2902.7 | | | |
| | 470 | 6388.1 | | | |
| | 470 | 340.6 | | | |
| | 470 | 23500.0 | | | |
| | 470 | 8034.5 | | | |
| | 470 | 8717.9 | | | |
| | 470 | 504.9 | | | |
| | 470 | 74288.1 | | | |
| | 470 | 8549.3 | | | |
| | 470 | 2341.0 | | | |
| | 470 | 819.2 | | | |
| | 470 | 561.0 | | | |
| | 470 | 550.5 | | | |
| | 470 | 20259.4 | | | |
| | 470 | 19313.6 | | | |
| | 470 | 20703.6 | | | |
| | 470 | 20655.6 | | | |
| | 470 | 2977433.8 | | | |

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|---|-----|-------------|---|---|---|
| | 470 | 1489724.4 | | | |
| | 470 | 7097.3 | | | |
| | 470 | 471.4 | | | |
| | 470 | 2205.7 | | | |
| | 470 | 734.5 | | | |
| | 470 | 552.9 | | | |
| | 470 | 510.9 | | | |
| | 470 | 70.5 | | 1 | |
| 1 | 470 | 35.5 | | | 1 |
| | 470 | 1401.7 | | | |
| | 470 | 65.1 | 1 | | |
| | 470 | 2228.7 | | | |
| | 470 | 498.2 | | | |
| | 470 | 3126.5 | | | |
| | 470 | 721.7 | | | |
| | 470 | 4555.0 | | | |
| | 470 | 720.3 | | | |
| | 470 | 362.3 | | | |
| 1 | 470 | 52.8 | | | 1 |
| | 470 | 929.1 | | | |
| | 470 | 143.0 | | | |
| | 470 | 7312.2 | | | |
| | 470 | 497.0 | | | |
| | 470 | 12635.7 | | | |
| | 470 | 12635.7 | | | |
| | 470 | 4903.9 | | | |
| | 470 | 1808.7 | | | |
| | 470 | 353159.8 | | | |
| | 470 | 21710.7 | | | |

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|--|-----|-----------|--|--|--|
| | 470 | 88613.2 | | | |
| | 470 | 21584.2 | | | |
| | 470 | 41064.8 | | | |
| | 470 | 863.3 | | | |
| | 470 | 7472027.6 | | | |
| | 470 | 31115.5 | | | |
| | 470 | 748388.0 | | | |
| | 470 | 10293.9 | | | |
| | 470 | 23178.0 | | | |
| | 470 | 3949.9 | | | |
| | 470 | 23150.9 | | | |
| | 470 | 3946.8 | | | |
| | 470 | 23096.8 | | | |
| | 470 | 3940.5 | | | |
| | 470 | 21932.6 | | | |
| | 470 | 3762.7 | | | |
| | 470 | 13244.5 | | | |
| | 470 | 4514.2 | | | |
| | 470 | 13229.0 | | | |
| | 470 | 4510.6 | | | |
| | 470 | 13198.2 | | | |
| | 470 | 4503.5 | | | |
| | 470 | 12532.7 | | | |
| | 470 | 4300.3 | | | |
| | 470 | 11519.0 | | | |
| | 470 | 3914.4 | | | |
| | 470 | 418871.9 | | | |
| | 470 | 46937.0 | | | |
| | 470 | 37574.9 | | | |
| | 470 | 1262.9 | | | |
| | 470 | 1938788.6 | | | |
| | 470 | 1377.8 | | | |

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|---|-----|-------------|---|--|---|
| | 470 | 684711.5 | | | |
| | 470 | 15088.1 | | | |
| | 470 | 459.0 | | | |
| | 470 | 436.1 | | | |
| | 470 | 471.4 | | | |
| | 470 | 471.4 | | | |
| | 470 | 10505.8 | | | |
| | 470 | 3465.8 | | | |
| | 470 | 4069.1 | | | |
| | 470 | 2034.4 | | | |
| | 470 | 8139.2 | | | |
| | 470 | 8139.2 | | | |
| | 470 | 49087.3 | | | |
| | 470 | 16194.9 | | | |
| | 470 | 767.3 | | | |
| 1 | 470 | 51.2 | | | 1 |
| | 470 | 469.8 | | | |
| 1 | 470 | 57.6 | | | 1 |
| | 470 | 472.6 | | | |
| | 470 | 57.6 | 1 | | |
| | 470 | 1029.9 | | | |
| | 470 | 237.8 | | | |
| | 470 | 1055.0 | | | |
| | 470 | 240.1 | | | |
| | 470 | 5335.1 | | | |
| | 470 | 505.6 | | | |
| | 470 | 5636.4 | | | |
| | 470 | 549.5 | | | |
| | 470 | 377.0 | | | |
| | 470 | 295.6 | | | |
| | 470 | 379.7 | | | |
| | 470 | 305.9 | | | |
| | 470 | 3009.1 | | | |
| | 470 | 1353.6 | | | |
| | 470 | 36126.0 | | | |

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|--|-----|----------|--|--|--|
| | 470 | 16250.2 | | | |
| | 470 | 22580.6 | | | |
| | 470 | 743.9 | | | |
| | 470 | 271134.5 | | | |
| | 470 | 8933.2 | | | |
| | 470 | 561.1 | | | |
| | 470 | 561.0 | | | |
| | 470 | 780.7 | | | |
| | 470 | 439.1 | | | |
| | 470 | 8813.7 | | | |
| | 470 | 2378.3 | | | |
| | 470 | 31170.4 | | | |
| | 470 | 4822.7 | | | |

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