IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE
FEBRAURY 9, 2023

Illinois Environmental Protection Agency Laboratory
825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

REVIEWER
MED

Name:	**CARUS CHEMICAL**		
Project/Facility Number:	0998160003	Date Received :	01/13/23
Funding Code:	CS29	Temperature C:	8.00
Client Sample ID:	**X201**	Lab Sample ID:	**23A0170-01**
Matrix:	Soil	Collected By:	Date/Time Collected: 01/12/23 14:20

Pesticides by ECD

Method:	8081	Prepared:	01/13/23 13:11
Units:	ug/kg dry	Analyzed:	01/17/23 19:51

Analyte	Result	Qualifier	Reporting Limit
Acetochlor *	< 570		570
Alachlor *	< 230		230
Aldrin	< 110		110
alpha-BHC	< 110		110
alpha-Chlordane	< 230		230
Atrazine *	< 1100		1100
Captan *	< 230		230
Cyanazine *	< 570	J5	570
Dieldrin	< 110		110
Endrin	< 110		110
gamma-BHC	< 110		110
gamma-Chlordane	< 230		230
Heptachlor	< 110		110
Heptachlor epoxide	< 110		110
Hexachlorobenzene *	< 110		110
Methoxychlor	< 570		570
Metolachlor *	< 570		570
Metribuzin *	< 230		230
p,p'-DDD	< 110		110
p,p'-DDE	< 110		110
p,p'-DDT	< 110		110
Pendimethalin *	< 230		230
Toxaphene	< 2300		2300

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Reported:
01/30/23 14:33

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Name:	**CARUS CHEMICAL**		
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Funding Code:	CS29	Temperature C:	8.00
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Matrix:	Soil	Collected By:	Date/Time Collected: 01/12/23 14:20

Pesticides by ECD

Method:	8081	Prepared:	01/13/23 13:11
Units:	ug/kg dry	Analyzed:	01/17/23 19:51

Analyte	Result	Qualifier	Reporting Limit
Trifluralin *	< 230		230

PCBs by ECD

Method:	8082	Prepared:	01/13/23 13:11
Units:	ug/kg dry	Analyzed:	01/17/23 19:51

Analyte	Result	Qualifier	Reporting Limit
PCBs, Total	< 230		230

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/19/23 08:00
Units:	ug/kg dry	Analyzed:	01/19/23 15:54

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 2.9		2.9
1,1,1-Trichloroethane	< 2.9		2.9
1,1,2,2-Tetrachloroethane	< 2.9		2.9
1,1,2-Trichloroethane	< 2.9		2.9
1,1-Dichloroethane	< 2.9		2.9
1,1-Dichloroethene	< 2.9		2.9
1,1-Dichloropropene	< 2.9		2.9
1,2,3-Trichloropropane	< 2.9		2.9

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Project/Facility Number:	0998160003	Date Received :	01/13/23
Funding Code:	CS29	Temperature C:	8.00
Client Sample ID:	**X201**	Lab Sample ID:	**23A0170-01**
Matrix:	Soil	Collected By:	Date/Time Collected: 01/12/23 14:20

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/19/23 08:00
Units:	ug/kg dry	Analyzed:	01/19/23 15:54

Analyte	Result	Qualifier	Reporting Limit
1,2-Dibromoethane	< 2.9		2.9
1,2-Dichloroethane	< 2.9		2.9
1,2-Dichloropropane	< 2.9		2.9
1,3-Dichloropropane	< 2.9		2.9
2,2-Dichloropropane	< 2.9		2.9
2-Butanone (MEK)	< 7.2		7.2
2-Hexanone (MBK)	< 2.9		2.9
4-Methyl-2-pentanone (MIBK)	< 2.9		2.9
Acetone	**14**		7.2
Benzene	< 2.9		2.9
Bromobenzene	< 2.9		2.9
Bromochloromethane	< 2.9		2.9
Bromodichloromethane	< 2.9		2.9
Bromoform	< 2.9		2.9
Bromomethane	< 2.9		2.9
Carbon disulfide	< 2.9		2.9
Carbon tetrachloride	< 2.9		2.9
Chlorobenzene	< 2.9		2.9
Chloroethane	< 2.9		2.9
Chloroform	< 2.9		2.9
Chloromethane	< 2.9		2.9
cis-1,2-Dichloroethene	< 2.9		2.9
cis-1,3-Dichloropropene	< 2.9		2.9

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Matrix:	Soil Collected By:	Date/Time Collected:	01/12/23 14:20

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/19/23 08:00
Units:	ug/kg dry	Analyzed:	01/19/23 15:54

Analyte	Result	Qualifier	Reporting Limit
Dibromochloromethane	< 2.9		2.9
Dibromomethane	< 2.9		2.9
Ethylbenzene	< 2.9		2.9
Isopropylbenzene	< 2.9		2.9
Methyl tert-butyl ether	< 2.9		2.9
Methylene chloride	< 2.9		2.9
Styrene	< 2.9		2.9
Tetrachloroethene	< 2.9		2.9
Toluene	< 2.9		2.9
trans-1,2-Dichloroethene	< 2.9		2.9
trans-1,3-Dichloropropene	< 2.9		2.9
Trichloroethene	< 2.9		2.9
Trichlorofluoromethane	< 2.9		2.9
Vinyl chloride	< 2.9		2.9
Xylenes, total	< 2.9		2.9

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/kg dry	Analyzed:	01/13/23 15:24

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 160000		160000

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Funding Code:	CS29	Temperature C:	8.00
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Matrix:	Soil	Collected By:	Date/Time Collected: 01/12/23 14:20

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/kg dry	Analyzed:	01/13/23 15:24

Analyte	Result	Qualifier	Reporting Limit
1,2,4-Trichlorobenzene	< 160000		160000
1,2-Dichlorobenzene	< 160000		160000
1,2-Dinitrobenzene	< 550000		550000
1,3-Dichlorobenzene	< 160000		160000
1,3-Dinitrobenzene	< 550000		550000
1,4-Dichlorobenzene	< 160000		160000
1,4-Dinitrobenzene	< 160000		160000
1-Chloronaphthalene	< 160000		160000
1-Naphthylamine	< 550000	O2	550000
2,2-Oxybis(1-chloropropane)	< 160000		160000
2,3,4,6-Tetrachlorophenol	< 160000		160000
2,4,5-Trichlorophenol	< 160000		160000
2,4,6-Trichlorophenol	< 160000		160000
2,4-Dichlorophenol	< 160000		160000
2,4-Dimethylphenol	< 160000		160000
2,4-Dinitrophenol	< 550000		550000
2,4-Dinitrotoluene	< 160000		160000
2,6-Dichlorophenol	< 160000		160000
2,6-Dinitrotoluene	< 160000		160000
2-Chloronaphthalene	< 160000		160000
2-Chlorophenol	< 160000		160000
2-Methylnaphthalene	< 160000		160000
2-Methylphenol	< 160000		160000

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Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/kg dry	Analyzed:	01/13/23 15:24

Analyte	Result	Qualifier	Reporting Limit
2-Naphthylamine	< 550000		550000
2-Nitroaniline	< 550000		550000
2-Nitrophenol	< 550000		550000
2-Picoline	< 160000		160000
3,3-Dichlorobenzidine	< 160000		160000
3-Nitroaniline	< 160000		160000
4,6-Dinitro-2-methylphenol	< 550000		550000
4-Bromophenyl phenyl ether	< 160000		160000
4-Chloro-3-methylphenol	< 160000		160000
4-Chloroaniline	< 160000		160000
4-Chlorophenyl phenyl ether	< 160000		160000
4-Methylphenol	< 160000		160000
4-Nitroaniline	< 160000		160000
4-Nitrobiphenyl	< 550000		550000
4-Nitrophenol	< 160000		160000
5-Nitroacenaphthene	< 160000		160000
7,12-Dimethylbenzo(a)anthracene	< 550000		550000
Acenaphthene	< 160000		160000
Acenaphthylene	< 160000		160000
Acetophenone	< 160000		160000
Anthracene	< 160000		160000
Azobenzene	< 160000		160000
Benzo(a)anthracene	< 160000		160000

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Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/kg dry	Analyzed:	01/13/23 15:24

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)pyrene	< 160000		160000
Benzo(b)fluoranthene	< 160000		160000
Benzo(ghi)perylene	< 160000		160000
Benzo(k)fluoranthene	< 160000		160000
Bis(2-chloroethoxy)methane	< 160000		160000
Bis(2-chloroethyl)ether	< 160000		160000
Bis(2-ethylhexyl)phthalate	< 550000		550000
Butyl benzyl phthalate	< 160000		160000
Carbazole	< 160000		160000
Chrysene	< 160000		160000
Dibenzo(a,h)anthracene	< 160000		160000
Dibenzofuran	< 160000		160000
Diethylphthalate	< 160000		160000
Dimethylphthalate	< 160000		160000
Di-n-butylphthalate	< 550000		550000
Di-n-octylphthalate	< 550000		550000
Diphenylamine	< 160000		160000
Ethyl methanesulfonate	< 160000		160000
Fluoranthene	< 160000		160000
Fluorene	< 160000		160000
Hexachlorobenzene	< 160000		160000
Hexachlorobutadiene	< 160000		160000
Hexachlorocyclopentadiene	< 550000		550000

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Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/kg dry	Analyzed:	01/13/23 15:24

Analyte	Result	Qualifier	Reporting Limit
Hexachloroethane	< 160000		160000
Hexachloropropene	< 160000		160000
Indeno(1,2,3-cd)pyrene	< 550000		550000
Isodrin	< 160000		160000
Isophorone	< 550000		550000
Isosafrole	< 160000		160000
Mestranol	< 550000		550000
Methyl methanesulfonate	< 160000		160000
Naphthalene	< 160000		160000
Nitrobenzene	< 160000		160000
N-Nitrosodi-n-butylamine	< 160000		160000
N-Nitrosodi-n-propylamine	< 160000		160000
N-Nitrosopiperidine	< 160000		160000
p-Dimethylaminoazobenzene	< 550000		550000
Pentachlorobenzene	< 160000		160000
Pentachloronitrobenzene	< 160000		160000
Pentachlorophenol	< 550000		550000
Phenacetin	< 550000		550000
Phenanthrene	< 160000		160000
Phenol	< 160000		160000
Pronamide	< 160000		160000
Pyrene	< 160000		160000
Pyridine	< 550000		550000

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Matrix:	Soil	Collected By:	Date/Time Collected: 01/12/23 14:20

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/kg dry	Analyzed:	01/13/23 15:24

Analyte	Result	Qualifier	Reporting Limit
Safrole	< 160000		160000

Total Cyanide by EPA Method 9012A

Method:	9012	Prepared:	01/17/23 12:17
Units:	mg/kg dry	Analyzed:	01/18/23 10:49

Analyte	Result	Qualifier	Reporting Limit
Cyanide	**0.618**	J3	0.040

Mercury by SW-846 Method 7471

Method:	7471	Prepared:	01/17/23 10:14
Units:	mg/kg dry	Analyzed:	01/24/23 11:26

Analyte	Result	Qualifier	Reporting Limit
Mercury	**0.09**	J3	0.008

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:16
Units:	mg/kg dry	Analyzed:	01/23/23 12:47

Analyte	Result	Qualifier	Reporting Limit

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Matrix:	Soil	Collected By:	Date/Time Collected: 01/12/23 14:20

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:16
Units:	mg/kg dry	Analyzed:	01/23/23 12:47

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**2380**		30.0
Antimony	**30.0**	B2	3.00
Arsenic	< 3.00	B2, I, J3	3.00
Barium	**63.1**		3.00
Beryllium	< 0.30		0.30
Boron	< 7.50	B1, I, J3	7.50
Cadmium	**0.76**	B2	0.75
Calcium	**32000**	I, J3	15000
Chromium	**19.3**		1.50
Cobalt	**3.34**		1.50
Copper	**42.5**	J3	1.50
Iron	**3260**	J3	150
Lead	**31.7**		0.75
Magnesium	**18900**		75.0
Manganese	**293000**		900
Nickel	**38.9**		0.75
Potassium	**71600**		30000
Selenium	**329**	I	3.00
Silver	< 0.75	I, J3	0.75
Sodium	**1430**		300
Strontium	**35.8**	J3	1.50
Thallium	**76.1**	B2, I, J3	3.00
Vanadium	< 0.75		0.75

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Matrix:	Soil	Collected By:	Date/Time Collected: 01/12/23 14:20

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:16
Units:	mg/kg dry	Analyzed:	01/23/23 12:47

Analyte	Result	Qualifier	Reporting Limit
Zinc	**473**	I, J3	7.50

pH

Method:	9045D	Prepared:	01/17/23 13:15
Units:	pH	Analyzed:	01/17/23 13:15

Analyte	Result	Qualifier	Reporting Limit
Laboratory pH	**12.7**	I, Q	0.1

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Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X301**			Lab Sample ID:	**23A0170-02**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 18:12

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 1.5		1.5
1,1,1-Trichloroethane	< 1.5	J5	1.5
1,1,2,2-Tetrachloroethane	< 1.5	J5	1.5
1,1,2-Trichloroethane	< 1.5		1.5
1,1-Dichloroethane	< 1.5		1.5
1,1-Dichloroethene	< 1.5		1.5
1,1-Dichloropropene	< 1.5		1.5
1,2,3-Trichloropropane	< 1.5		1.5
1,2-Dibromoethane	< 1.5		1.5
1,2-Dichloroethane	< 1.5		1.5
1,2-Dichloropropane	< 1.5		1.5
1,3-Dichloropropane	< 1.5		1.5
2,2-Dichloropropane	< 1.5		1.5
2-Butanone (MEK)	**16**		7.5
2-Hexanone (MBK)	< 7.5		7.5
4-Methyl-2-pentanone (MIBK)	< 1.5		1.5
Acetone	**79**		38
Benzene	< 1.5		1.5
Bromobenzene	< 1.5		1.5
Bromochloromethane	< 1.5		1.5
Bromodichloromethane	< 1.5		1.5
Bromoform	< 1.5		1.5
Bromomethane	< 1.5		1.5

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Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 18:12

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 1.5		1.5
Carbon tetrachloride	< 1.5		1.5
Chlorobenzene	< 1.5		1.5
Chloroethane	< 1.5		1.5
Chloroform	< 1.5		1.5
Chloromethane	< 1.5		1.5
cis-1,2-Dichloroethene	< 1.5		1.5
cis-1,3-Dichloropropene	< 1.5		1.5
Dibromochloromethane	< 1.5		1.5
Dibromomethane	< 1.5		1.5
Ethylbenzene	< 1.5		1.5
Isopropylbenzene	< 1.5		1.5
Methyl tert-butyl ether	< 1.5		1.5
Methylene chloride	< 3.8		3.8
Styrene	< 1.5		1.5
Tetrachloroethene	< 1.5		1.5
Toluene	< 1.5		1.5
trans-1,2-Dichloroethene	< 1.5		1.5
trans-1,3-Dichloropropene	< 1.5		1.5
Trichloroethene	< 1.5		1.5
Trichlorofluoromethane	< 1.5		1.5
Vinyl chloride	< 1.5		1.5
Xylenes, total	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X301**			Lab Sample ID:	**23A0170-02**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 16:32

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 15		15
1,2,4-Trichlorobenzene	< 15		15
1,2-Dichlorobenzene	< 15		15
1,2-Dinitrobenzene	< 15		15
1,3-Dichlorobenzene	< 15		15
1,3-Dinitrobenzene	< 50		50
1,4-Dichlorobenzene	< 15		15
1,4-Dinitrobenzene	< 50		50
1-Chloronaphthalene	< 15		15
1-Naphthylamine	< 50	O2	50
2,2-Oxybis(1-chloropropane)	< 15		15
2,3,4,6-Tetrachlorophenol	< 15		15
2,4,5-Trichlorophenol	< 15		15
2,4,6-Trichlorophenol	< 15		15
2,4-Dichlorophenol	< 15		15
2,4-Dimethylphenol	< 15		15
2,4-Dinitrophenol	< 50		50
2,4-Dinitrotoluene	< 50		50
2,6-Dichlorophenol	< 15		15
2,6-Dinitrotoluene	< 15		15
2-Chloronaphthalene	< 15		15
2-Chlorophenol	< 15		15
2-Methylnaphthalene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X301**			Lab Sample ID:	**23A0170-02**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 16:32

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 15		15
2-Naphthylamine	< 50		50
2-Nitroaniline	< 15		15
2-Nitrophenol	< 50		50
2-Picoline	< 15		15
3,3-Dichlorobenzidine	< 15		15
3-Nitroaniline	< 15		15
4,6-Dinitro-2-methylphenol	< 50		50
4-Bromophenyl phenyl ether	< 15		15
4-Chloro-3-methylphenol	< 15		15
4-Chloroaniline	< 15		15
4-Chlorophenyl phenyl ether	< 15		15
4-Methylphenol	< 15		15
4-Nitroaniline	< 15		15
4-Nitrobiphenyl	< 50		50
4-Nitrophenol	< 50		50
5-Nitroacenaphthene	< 50		50
7,12-Dimethylbenzo(a)anthracene	< 75		75
Acenaphthene	< 15		15
Acenaphthylene	< 15		15
Acetophenone	< 15		15
Anthracene	< 15		15
Azobenzene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X301**			Lab Sample ID:	**23A0170-02**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 16:32

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 15		15
Benzo(a)pyrene	< 15		15
Benzo(b)fluoranthene	< 15		15
Benzo(ghi)perylene	< 50		50
Benzo(k)fluoranthene	< 15		15
Bis(2-chloroethoxy)methane	< 15		15
Bis(2-chloroethyl)ether	< 15		15
Bis(2-ethylhexyl)phthalate	< 50		50
Butyl benzyl phthalate	< 50		50
Carbazole	< 15		15
Chrysene	< 15		15
Dibenzo(a,h)anthracene	< 50		50
Dibenzofuran	< 15		15
Diethylphthalate	< 15		15
Dimethylphthalate	< 15		15
Di-n-butylphthalate	< 15		15
Di-n-octylphthalate	< 50		50
Diphenylamine	< 15		15
Ethyl methanesulfonate	< 15		15
Fluoranthene	< 15		15
Fluorene	< 15		15
Hexachlorobenzene	< 15		15
Hexachlorobutadiene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X301**			Lab Sample ID:	**23A0170-02**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 16:32

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 50		50
Hexachloroethane	< 15		15
Hexachloropropene	< 15		15
Indeno(1,2,3-cd)pyrene	< 50		50
Isodrin	< 15		15
Isophorone	< 15		15
Isosafrole	< 15		15
Mestranol	< 50		50
Methyl methanesulfonate	< 15		15
Naphthalene	< 15		15
Nitrobenzene	< 15		15
N-Nitrosodi-n-butylamine	< 15		15
N-Nitrosodi-n-propylamine	< 15		15
N-Nitrosopiperidine	< 15		15
p-Dimethylaminoazobenzene	< 15		15
Pentachlorobenzene	< 15		15
Pentachloronitrobenzene	< 15		15
Pentachlorophenol	< 50		50
Phenacetin	< 50		50
Phenanthrene	< 15		15
Phenol	< 15		15
Pronamide	< 15		15
Pyrene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X301**			Lab Sample ID:	**23A0170-02**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 16:32

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 50		50
Safrole	< 15		15

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 11:40

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**6840**		8.00
Antimony	**75.6**	B2	0.80
Arsenic	**28.6**		0.80
Barium	**86.3**		0.80
Beryllium	< 0.08		0.08
Boron	**304**	B1	200
Cadmium	**1.71**		0.20
Calcium	**15800**		4000
Chromium	**50.4**		0.40
Cobalt	**6.20**		0.40
Copper	**59.6**		0.40
Iron	**4150**		40.0
Lead	**33.2**		0.20
Magnesium	**4160**		20.0

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X301**			Lab Sample ID:	**23A0170-02**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 14:30

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 13:51

Analyte	Result	Qualifier	Reporting Limit
Manganese	**291000**		600
Nickel	**35.4**		0.20
Potassium	**87900**		8000
Selenium	**221**		0.80
Silver	< 0.20		0.20
Sodium	**4350**		80.0
Strontium	**74.7**		0.40
Thallium	**54.0**	B2	0.80
Vanadium	**79.1**		0.20
Zinc	**2140**		200

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**		
Project/Facility Number:	0998160003	Date Received :	01/13/23
Funding Code:	CS29	Temperature C:	8.00
Client Sample ID:	**TRIP BLANK**	Lab Sample ID:	**23A0170-03**
Matrix:	Water Collected By:	Date/Time Collected:	01/12/23 0:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 12:00
Units:	ug/L	Analyzed:	01/13/23 15:50

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 2.0		2.0
1,1,1-Trichloroethane	< 2.0		2.0
1,1,2,2-Tetrachloroethane	< 2.0		2.0
1,1,2-Trichloroethane	< 2.0		2.0
1,1-Dichloroethane	< 2.0		2.0
1,1-Dichloroethene	< 2.0		2.0
1,1-Dichloropropene	< 2.0		2.0
1,2,3-Trichloropropane	< 2.0		2.0
1,2-Dibromoethane	< 2.0		2.0
1,2-Dichloroethane	< 2.0		2.0
1,2-Dichloropropane	< 2.0		2.0
1,3-Dichloropropane	< 2.0		2.0
2,2-Dichloropropane	< 2.0		2.0
2-Butanone (MEK)	< 10		10
2-Hexanone (MBK)	< 5.0		5.0
4-Methyl-2-pentanone (MIBK)	< 10		10
Acetone	< 10		10
Benzene	< 2.0		2.0
Bromobenzene	< 2.0		2.0
Bromochloromethane	< 2.0		2.0
Bromodichloromethane	< 2.0		2.0
Bromoform	< 5.0		5.0
Bromomethane	< 5.0		5.0

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**		
Project/Facility Number:	0998160003	Date Received :	01/13/23
Funding Code:	CS29	Temperature C:	8.00
Client Sample ID:	**TRIP BLANK**	Lab Sample ID:	**23A0170-03**
Matrix:	Water Collected By:	Date/Time Collected:	01/12/23 0:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 12:00
Units:	ug/L	Analyzed:	01/13/23 15:50

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 2.0		2.0
Carbon tetrachloride	< 2.0		2.0
Chlorobenzene	< 2.0		2.0
Chloroethane	< 2.0		2.0
Chloroform	< 2.0		2.0
Chloromethane	< 2.0		2.0
cis-1,2-Dichloroethene	< 2.0		2.0
cis-1,3-Dichloropropene	< 2.0		2.0
Dibromochloromethane	< 5.0		5.0
Dibromomethane	< 2.0		2.0
Ethylbenzene	< 2.0		2.0
Isopropylbenzene	< 2.0		2.0
Methyl tert-butyl ether	< 2.0		2.0
Methylene chloride	< 5.0		5.0
Styrene	< 2.0		2.0
Tetrachloroethene	< 5.0		5.0
Toluene	< 2.0		2.0
trans-1,2-Dichloroethene	< 2.0		2.0
trans-1,3-Dichloropropene	< 5.0		5.0
Trichloroethene	< 2.0		2.0
Trichlorofluoromethane	< 2.0		2.0
Vinyl chloride	< 2.0		2.0
Xylenes, total	< 2.0		2.0

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**		
Project/Facility Number:	0998160003	Date Received :	01/13/23
Funding Code:	CS29	Temperature C:	8.00

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 19:02

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 1.5		1.5
1,1,1-Trichloroethane	< 1.5	J5	1.5
1,1,2,2-Tetrachloroethane	< 1.5	J5	1.5
1,1,2-Trichloroethane	< 1.5		1.5
1,1-Dichloroethane	< 1.5		1.5
1,1-Dichloroethene	< 1.5		1.5
1,1-Dichloropropene	< 1.5		1.5
1,2,3-Trichloropropane	< 1.5		1.5
1,2-Dibromoethane	< 1.5		1.5
1,2-Dichloroethane	< 1.5		1.5
1,2-Dichloropropane	< 1.5		1.5
1,3-Dichloropropane	< 1.5		1.5
2,2-Dichloropropane	< 1.5		1.5
2-Butanone (MEK)	**16**		7.5
2-Hexanone (MBK)	< 7.5		7.5
4-Methyl-2-pentanone (MIBK)	< 1.5		1.5
Acetone	**110**		7.5
Benzene	< 1.5		1.5
Bromobenzene	< 1.5		1.5
Bromochloromethane	< 1.5		1.5
Bromodichloromethane	< 1.5		1.5
Bromoform	< 1.5		1.5
Bromomethane	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 19:02

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 1.5		1.5
Carbon tetrachloride	< 1.5		1.5
Chlorobenzene	< 1.5		1.5
Chloroethane	< 1.5		1.5
Chloroform	< 1.5		1.5
Chloromethane	< 1.5		1.5
cis-1,2-Dichloroethene	< 1.5		1.5
cis-1,3-Dichloropropene	< 1.5		1.5
Dibromochloromethane	< 1.5		1.5
Dibromomethane	< 1.5		1.5
Ethylbenzene	< 1.5		1.5
Isopropylbenzene	< 1.5		1.5
Methyl tert-butyl ether	< 1.5		1.5
Methylene chloride	< 3.8		3.8
Styrene	< 1.5		1.5
Tetrachloroethene	< 1.5		1.5
Toluene	< 1.5		1.5
trans-1,2-Dichloroethene	< 1.5		1.5
trans-1,3-Dichloropropene	< 1.5		1.5
Trichloroethene	< 1.5		1.5
Trichlorofluoromethane	< 1.5		1.5
Vinyl chloride	< 1.5		1.5
Xylenes, total	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:06

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 15		15
1,2,4-Trichlorobenzene	< 15		15
1,2-Dichlorobenzene	< 15		15
1,2-Dinitrobenzene	< 15		15
1,3-Dichlorobenzene	< 15		15
1,3-Dinitrobenzene	< 50		50
1,4-Dichlorobenzene	< 15		15
1,4-Dinitrobenzene	< 50		50
1-Chloronaphthalene	< 15		15
1-Naphthylamine	< 50	O2	50
2,2-Oxybis(1-chloropropane)	< 15		15
2,3,4,6-Tetrachlorophenol	< 15		15
2,4,5-Trichlorophenol	< 15		15
2,4,6-Trichlorophenol	< 15		15
2,4-Dichlorophenol	< 15		15
2,4-Dimethylphenol	< 15		15
2,4-Dinitrophenol	< 50		50
2,4-Dinitrotoluene	< 50		50
2,6-Dichlorophenol	< 15		15
2,6-Dinitrotoluene	< 15		15
2-Chloronaphthalene	< 15		15
2-Chlorophenol	< 15		15
2-Methylnaphthalene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:06

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 15		15
2-Naphthylamine	< 50		50
2-Nitroaniline	< 15		15
2-Nitrophenol	< 50		50
2-Picoline	< 15		15
3,3-Dichlorobenzidine	< 15		15
3-Nitroaniline	< 15		15
4,6-Dinitro-2-methylphenol	< 50		50
4-Bromophenyl phenyl ether	< 15		15
4-Chloro-3-methylphenol	< 15		15
4-Chloroaniline	< 15		15
4-Chlorophenyl phenyl ether	< 15		15
4-Methylphenol	< 15		15
4-Nitroaniline	< 15		15
4-Nitrobiphenyl	< 50		50
4-Nitrophenol	< 50		50
5-Nitroacenaphthene	< 50		50
7,12-Dimethylbenzo(a)anthracene	< 75		75
Acenaphthene	< 15		15
Acenaphthylene	< 15		15
Acetophenone	< 15		15
Anthracene	< 15		15
Azobenzene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:06

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 15		15
Benzo(a)pyrene	< 15		15
Benzo(b)fluoranthene	< 15		15
Benzo(ghi)perylene	< 50		50
Benzo(k)fluoranthene	< 15		15
Bis(2-chloroethoxy)methane	< 15		15
Bis(2-chloroethyl)ether	< 15		15
Bis(2-ethylhexyl)phthalate	< 50		50
Butyl benzyl phthalate	< 50		50
Carbazole	< 15		15
Chrysene	< 15		15
Dibenzo(a,h)anthracene	< 50		50
Dibenzofuran	< 15		15
Diethylphthalate	< 15		15
Dimethylphthalate	< 15		15
Di-n-butylphthalate	< 15		15
Di-n-octylphthalate	< 50		50
Diphenylamine	< 15		15
Ethyl methanesulfonate	< 15		15
Fluoranthene	< 15		15
Fluorene	< 15		15
Hexachlorobenzene	< 15		15
Hexachlorobutadiene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:06

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 50		50
Hexachloroethane	< 15		15
Hexachloropropene	< 15		15
Indeno(1,2,3-cd)pyrene	< 50		50
Isodrin	< 15		15
Isophorone	< 15		15
Isosafrole	< 15		15
Mestranol	< 50		50
Methyl methanesulfonate	< 15		15
Naphthalene	< 15		15
Nitrobenzene	< 15		15
N-Nitrosodi-n-butylamine	< 15		15
N-Nitrosodi-n-propylamine	< 15		15
N-Nitrosopiperidine	< 15		15
p-Dimethylaminoazobenzene	< 15		15
Pentachlorobenzene	< 15		15
Pentachloronitrobenzene	< 15		15
Pentachlorophenol	< 50		50
Phenacetin	< 50		50
Phenanthrene	< 15		15
Phenol	< 15		15
Pronamide	< 15		15
Pyrene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:06

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 50		50
Safrole	< 15		15

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 11:48

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**251**		10.0
Antimony	**54.6**	B2	1.00
Arsenic	< 1.00		1.00
Barium	**13.0**		1.00
Beryllium	< 0.10		0.10
Boron	< 2.50	B1	2.50
Cadmium	< 0.25		0.25
Calcium	**4620**		50.0
Chromium	**0.87**		0.50
Cobalt	**2.88**		0.50
Copper	**13.5**		0.50
Iron	**582**		50.0
Lead	**14.7**		0.25
Magnesium	**1160**		25.0

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X302**			Lab Sample ID:	**23A0170-04**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 15:44

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 13:55

Analyte	Result	Qualifier	Reporting Limit
Manganese	**68600**		150
Nickel	**11.8**		0.25
Potassium	**12300**		10000
Selenium	**74.8**		1.00
Silver	< 0.25		0.25
Sodium	**939**		100
Strontium	**9.08**		0.50
Thallium	**20.8**	B2	1.00
Vanadium	< 0.25		0.25
Zinc	**209**		2.50

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 19:51

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 1.5		1.5
1,1,1-Trichloroethane	< 1.5	J5	1.5
1,1,2,2-Tetrachloroethane	< 1.5	J5	1.5
1,1,2-Trichloroethane	< 1.5		1.5
1,1-Dichloroethane	< 1.5		1.5
1,1-Dichloroethene	< 1.5		1.5
1,1-Dichloropropene	< 1.5		1.5
1,2,3-Trichloropropane	< 1.5		1.5
1,2-Dibromoethane	< 1.5		1.5
1,2-Dichloroethane	< 1.5		1.5
1,2-Dichloropropane	< 1.5		1.5
1,3-Dichloropropane	< 1.5		1.5
2,2-Dichloropropane	< 1.5		1.5
2-Butanone (MEK)	**25**		7.5
2-Hexanone (MBK)	< 7.5		7.5
4-Methyl-2-pentanone (MIBK)	< 1.5		1.5
Acetone	**150**		7.5
Benzene	< 1.5		1.5
Bromobenzene	< 1.5		1.5
Bromochloromethane	< 1.5		1.5
Bromodichloromethane	< 1.5		1.5
Bromoform	< 1.5		1.5
Bromomethane	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 19:51

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 1.5		1.5
Carbon tetrachloride	< 1.5		1.5
Chlorobenzene	< 1.5		1.5
Chloroethane	< 1.5		1.5
Chloroform	< 1.5		1.5
Chloromethane	< 1.5		1.5
cis-1,2-Dichloroethene	< 1.5		1.5
cis-1,3-Dichloropropene	< 1.5		1.5
Dibromochloromethane	< 1.5		1.5
Dibromomethane	< 1.5		1.5
Ethylbenzene	< 1.5		1.5
Isopropylbenzene	< 1.5		1.5
Methyl tert-butyl ether	< 1.5		1.5
Methylene chloride	< 3.8		3.8
Styrene	< 1.5		1.5
Tetrachloroethene	< 1.5		1.5
Toluene	< 1.5		1.5
trans-1,2-Dichloroethene	< 1.5		1.5
trans-1,3-Dichloropropene	< 1.5		1.5
Trichloroethene	< 1.5		1.5
Trichlorofluoromethane	< 1.5		1.5
Vinyl chloride	< 1.5		1.5
Xylenes, total	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:40

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 15		15
1,2,4-Trichlorobenzene	< 15		15
1,2-Dichlorobenzene	< 15		15
1,2-Dinitrobenzene	< 15		15
1,3-Dichlorobenzene	< 15		15
1,3-Dinitrobenzene	< 50		50
1,4-Dichlorobenzene	< 15		15
1,4-Dinitrobenzene	< 50		50
1-Chloronaphthalene	< 15		15
1-Naphthylamine	< 50	O2	50
2,2-Oxybis(1-chloropropane)	< 15		15
2,3,4,6-Tetrachlorophenol	< 15		15
2,4,5-Trichlorophenol	< 15		15
2,4,6-Trichlorophenol	< 15		15
2,4-Dichlorophenol	< 15		15
2,4-Dimethylphenol	< 15		15
2,4-Dinitrophenol	< 50		50
2,4-Dinitrotoluene	< 50		50
2,6-Dichlorophenol	< 15		15
2,6-Dinitrotoluene	< 15		15
2-Chloronaphthalene	< 15		15
2-Chlorophenol	< 15		15
2-Methylnaphthalene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:40

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 15		15
2-Naphthylamine	< 50		50
2-Nitroaniline	< 15		15
2-Nitrophenol	< 50		50
2-Picoline	< 15		15
3,3-Dichlorobenzidine	< 15		15
3-Nitroaniline	< 15		15
4,6-Dinitro-2-methylphenol	< 50		50
4-Bromophenyl phenyl ether	< 15		15
4-Chloro-3-methylphenol	< 15		15
4-Chloroaniline	< 15		15
4-Chlorophenyl phenyl ether	< 15		15
4-Methylphenol	< 15		15
4-Nitroaniline	< 15		15
4-Nitrobiphenyl	< 50		50
4-Nitrophenol	< 50		50
5-Nitroacenaphthene	< 50		50
7,12-Dimethylbenzo(a)anthracene	< 75		75
Acenaphthene	< 15		15
Acenaphthylene	< 15		15
Acetophenone	< 15		15
Anthracene	< 15		15
Azobenzene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:40

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 15		15
Benzo(a)pyrene	< 15		15
Benzo(b)fluoranthene	< 15		15
Benzo(ghi)perylene	< 50		50
Benzo(k)fluoranthene	< 15		15
Bis(2-chloroethoxy)methane	< 15		15
Bis(2-chloroethyl)ether	< 15		15
Bis(2-ethylhexyl)phthalate	< 50		50
Butyl benzyl phthalate	< 50		50
Carbazole	< 15		15
Chrysene	< 15		15
Dibenzo(a,h)anthracene	< 50		50
Dibenzofuran	< 15		15
Diethylphthalate	< 15		15
Dimethylphthalate	< 15		15
Di-n-butylphthalate	< 15		15
Di-n-octylphthalate	< 50		50
Diphenylamine	< 15		15
Ethyl methanesulfonate	< 15		15
Fluoranthene	< 15		15
Fluorene	< 15		15
Hexachlorobenzene	< 15		15
Hexachlorobutadiene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:40

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 50		50
Hexachloroethane	< 15		15
Hexachloropropene	< 15		15
Indeno(1,2,3-cd)pyrene	< 50		50
Isodrin	< 15		15
Isophorone	< 15		15
Isosafrole	< 15		15
Mestranol	< 50		50
Methyl methanesulfonate	< 15		15
Naphthalene	< 15		15
Nitrobenzene	< 15		15
N-Nitrosodi-n-butylamine	< 15		15
N-Nitrosodi-n-propylamine	< 15		15
N-Nitrosopiperidine	< 15		15
p-Dimethylaminoazobenzene	< 15		15
Pentachlorobenzene	< 15		15
Pentachloronitrobenzene	< 15		15
Pentachlorophenol	< 50		50
Phenacetin	< 50		50
Phenanthrene	< 15		15
Phenol	< 15		15
Pronamide	< 15		15
Pyrene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 17:40

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 50		50
Safrole	< 15		15

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 11:52

Analyte	Result	Qualifier	Reporting Limit
Aluminum	< 10.0		10.0
Antimony	**23.4**	B2, I	1.00
Arsenic	< 1.00	I	1.00
Barium	< 1.00		1.00
Beryllium	< 0.10		0.10
Boron	< 2.50	B1	2.50
Cadmium	< 0.25		0.25
Calcium	**118**	I	50.0
Chromium	< 0.50		0.50
Cobalt	< 0.50		0.50
Copper	< 0.50		0.50
Iron	< 50.0	I	50.0
Lead	< 0.25		0.25
Magnesium	< 25.0	I	25.0

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X303**			Lab Sample ID:	**23A0170-05**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:15

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 13:31

Analyte	Result	Qualifier	Reporting Limit
Manganese	**1480**		7.50
Nickel	< 0.25		0.25
Potassium	**284**	I	100
Selenium	**1.29**	I	1.00
Silver	< 0.25	I	0.25
Sodium	**110**	I	100
Strontium	< 0.50		0.50
Thallium	< 1.00	B2	1.00
Vanadium	< 0.25		0.25
Zinc	**13.8**	I	2.50

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 20:41

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 1.5		1.5
1,1,1-Trichloroethane	< 1.5	J5	1.5
1,1,2,2-Tetrachloroethane	< 1.5	J5	1.5
1,1,2-Trichloroethane	< 1.5		1.5
1,1-Dichloroethane	< 1.5		1.5
1,1-Dichloroethene	< 1.5		1.5
1,1-Dichloropropene	< 1.5		1.5
1,2,3-Trichloropropane	< 1.5		1.5
1,2-Dibromoethane	< 1.5		1.5
1,2-Dichloroethane	< 1.5		1.5
1,2-Dichloropropane	< 1.5		1.5
1,3-Dichloropropane	< 1.5		1.5
2,2-Dichloropropane	< 1.5		1.5
2-Butanone (MEK)	**22**		7.5
2-Hexanone (MBK)	< 7.5		7.5
4-Methyl-2-pentanone (MIBK)	< 1.5		1.5
Acetone	**120**		7.5
Benzene	< 1.5		1.5
Bromobenzene	< 1.5		1.5
Bromochloromethane	< 1.5		1.5
Bromodichloromethane	< 1.5		1.5
Bromoform	< 1.5		1.5
Bromomethane	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 20:41

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 1.5		1.5
Carbon tetrachloride	< 1.5		1.5
Chlorobenzene	< 1.5		1.5
Chloroethane	< 1.5		1.5
Chloroform	< 1.5		1.5
Chloromethane	< 1.5		1.5
cis-1,2-Dichloroethene	< 1.5		1.5
cis-1,3-Dichloropropene	< 1.5		1.5
Dibromochloromethane	< 1.5		1.5
Dibromomethane	< 1.5		1.5
Ethylbenzene	< 1.5		1.5
Isopropylbenzene	< 1.5		1.5
Methyl tert-butyl ether	< 1.5		1.5
Methylene chloride	< 3.8		3.8
Styrene	< 1.5		1.5
Tetrachloroethene	< 1.5		1.5
Toluene	< 1.5		1.5
trans-1,2-Dichloroethene	< 1.5		1.5
trans-1,3-Dichloropropene	< 1.5		1.5
Trichloroethene	< 1.5		1.5
Trichlorofluoromethane	< 1.5		1.5
Vinyl chloride	< 1.5		1.5
Xylenes, total	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:15

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 15		15
1,2,4-Trichlorobenzene	< 15		15
1,2-Dichlorobenzene	< 15		15
1,2-Dinitrobenzene	< 15		15
1,3-Dichlorobenzene	< 15		15
1,3-Dinitrobenzene	< 50		50
1,4-Dichlorobenzene	< 15		15
1,4-Dinitrobenzene	< 50		50
1-Chloronaphthalene	< 15		15
1-Naphthylamine	< 50	O2	50
2,2-Oxybis(1-chloropropane)	< 15		15
2,3,4,6-Tetrachlorophenol	< 15		15
2,4,5-Trichlorophenol	< 15		15
2,4,6-Trichlorophenol	< 15		15
2,4-Dichlorophenol	< 15		15
2,4-Dimethylphenol	< 15		15
2,4-Dinitrophenol	< 50		50
2,4-Dinitrotoluene	< 50		50
2,6-Dichlorophenol	< 15		15
2,6-Dinitrotoluene	< 15		15
2-Chloronaphthalene	< 15		15
2-Chlorophenol	< 15		15
2-Methylnaphthalene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:15

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 15		15
2-Naphthylamine	< 50		50
2-Nitroaniline	< 15		15
2-Nitrophenol	< 50		50
2-Picoline	< 15		15
3,3-Dichlorobenzidine	< 15		15
3-Nitroaniline	< 15		15
4,6-Dinitro-2-methylphenol	< 50		50
4-Bromophenyl phenyl ether	< 15		15
4-Chloro-3-methylphenol	< 15		15
4-Chloroaniline	< 15		15
4-Chlorophenyl phenyl ether	< 15		15
4-Methylphenol	< 15		15
4-Nitroaniline	< 15		15
4-Nitrobiphenyl	< 50		50
4-Nitrophenol	< 50		50
5-Nitroacenaphthene	< 50		50
7,12-Dimethylbenzo(a)anthracene	< 75		75
Acenaphthene	< 15		15
Acenaphthylene	< 15		15
Acetophenone	< 15		15
Anthracene	< 15		15
Azobenzene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:15

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 15		15
Benzo(a)pyrene	< 15		15
Benzo(b)fluoranthene	< 15		15
Benzo(ghi)perylene	< 50		50
Benzo(k)fluoranthene	< 15		15
Bis(2-chloroethoxy)methane	< 15		15
Bis(2-chloroethyl)ether	< 15		15
Bis(2-ethylhexyl)phthalate	< 50		50
Butyl benzyl phthalate	< 50		50
Carbazole	< 15		15
Chrysene	< 15		15
Dibenzo(a,h)anthracene	< 50		50
Dibenzofuran	< 15		15
Diethylphthalate	< 15		15
Dimethylphthalate	< 15		15
Di-n-butylphthalate	< 15		15
Di-n-octylphthalate	< 50		50
Diphenylamine	< 15		15
Ethyl methanesulfonate	< 15		15
Fluoranthene	< 15		15
Fluorene	< 15		15
Hexachlorobenzene	< 15		15
Hexachlorobutadiene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:15

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 50		50
Hexachloroethane	< 15		15
Hexachloropropene	< 15		15
Indeno(1,2,3-cd)pyrene	< 50		50
Isodrin	< 15		15
Isophorone	< 15		15
Isosafrole	< 15		15
Mestranol	< 50		50
Methyl methanesulfonate	< 15		15
Naphthalene	< 15		15
Nitrobenzene	< 15		15
N-Nitrosodi-n-butylamine	< 15		15
N-Nitrosodi-n-propylamine	< 15		15
N-Nitrosopiperidine	< 15		15
p-Dimethylaminoazobenzene	< 15		15
Pentachlorobenzene	< 15		15
Pentachloronitrobenzene	< 15		15
Pentachlorophenol	< 50		50
Phenacetin	< 50		50
Phenanthrene	< 15		15
Phenol	< 15		15
Pronamide	< 15		15
Pyrene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:15

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 50		50
Safrole	< 15		15

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 11:57

Analyte	Result	Qualifier	Reporting Limit
Aluminum	< 9.80		9.80
Antimony	**19.9**	B2	0.98
Arsenic	< 0.98		0.98
Barium	< 0.98		0.98
Beryllium	< 0.10		0.10
Boron	< 2.45	B1	2.45
Cadmium	< 0.24		0.24
Calcium	**84.8**		49.0
Chromium	< 0.49		0.49
Cobalt	< 0.49		0.49
Copper	< 0.49		0.49
Iron	< 49.0		49.0
Lead	< 0.24		0.24
Magnesium	< 24.5		24.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X304**			Lab Sample ID:	**23A0170-06**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:36

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010			Prepared:	01/18/23 10:18
Units:	ug/wipe			Analyzed:	01/23/23 11:57

Analyte	Result	Qualifier	Reporting Limit
Manganese	**262**		0.74
Nickel	< 0.24		0.24
Potassium	**194**		98.0
Selenium	< 0.98		0.98
Silver	< 0.24		0.24
Sodium	**145**		98.0
Strontium	< 0.49		0.49
Thallium	< 0.98	B2	0.98
Vanadium	< 0.24		0.24
Zinc	**8.74**		2.45

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Reported:
01/30/23 14:33

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 21:31

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 1.5		1.5
1,1,1-Trichloroethane	< 1.5	J5	1.5
1,1,2,2-Tetrachloroethane	< 1.5	J5	1.5
1,1,2-Trichloroethane	< 1.5		1.5
1,1-Dichloroethane	< 1.5		1.5
1,1-Dichloroethene	< 1.5		1.5
1,1-Dichloropropene	< 1.5		1.5
1,2,3-Trichloropropane	< 1.5		1.5
1,2-Dibromoethane	< 1.5		1.5
1,2-Dichloroethane	< 1.5		1.5
1,2-Dichloropropane	< 1.5		1.5
1,3-Dichloropropane	< 1.5		1.5
2,2-Dichloropropane	< 1.5		1.5
2-Butanone (MEK)	**15**		7.5
2-Hexanone (MBK)	< 7.5		7.5
4-Methyl-2-pentanone (MIBK)	< 1.5		1.5
Acetone	**91**		7.5
Benzene	< 1.5		1.5
Bromobenzene	< 1.5		1.5
Bromochloromethane	< 1.5		1.5
Bromodichloromethane	< 1.5		1.5
Bromoform	< 1.5		1.5
Bromomethane	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 21:31

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 1.5		1.5
Carbon tetrachloride	< 1.5		1.5
Chlorobenzene	< 1.5		1.5
Chloroethane	< 1.5		1.5
Chloroform	< 1.5		1.5
Chloromethane	< 1.5		1.5
cis-1,2-Dichloroethene	< 1.5		1.5
cis-1,3-Dichloropropene	< 1.5		1.5
Dibromochloromethane	< 1.5		1.5
Dibromomethane	< 1.5		1.5
Ethylbenzene	< 1.5		1.5
Isopropylbenzene	< 1.5		1.5
Methyl tert-butyl ether	< 1.5		1.5
Methylene chloride	< 3.8		3.8
Styrene	< 1.5		1.5
Tetrachloroethene	< 1.5		1.5
Toluene	< 1.5		1.5
trans-1,2-Dichloroethene	< 1.5		1.5
trans-1,3-Dichloropropene	< 1.5		1.5
Trichloroethene	< 1.5		1.5
Trichlorofluoromethane	< 1.5		1.5
Vinyl chloride	< 1.5		1.5
Xylenes, total	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:49

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 15		15
1,2,4-Trichlorobenzene	< 15		15
1,2-Dichlorobenzene	< 15		15
1,2-Dinitrobenzene	< 15		15
1,3-Dichlorobenzene	< 15		15
1,3-Dinitrobenzene	< 50		50
1,4-Dichlorobenzene	< 15		15
1,4-Dinitrobenzene	< 50		50
1-Chloronaphthalene	< 15		15
1-Naphthylamine	< 50	O2	50
2,2-Oxybis(1-chloropropane)	< 15		15
2,3,4,6-Tetrachlorophenol	< 15		15
2,4,5-Trichlorophenol	< 15		15
2,4,6-Trichlorophenol	< 15		15
2,4-Dichlorophenol	< 15		15
2,4-Dimethylphenol	< 15		15
2,4-Dinitrophenol	< 50		50
2,4-Dinitrotoluene	< 50		50
2,6-Dichlorophenol	< 15		15
2,6-Dinitrotoluene	< 15		15
2-Chloronaphthalene	< 15		15
2-Chlorophenol	< 15		15
2-Methylnaphthalene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:49

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 15		15
2-Naphthylamine	< 50		50
2-Nitroaniline	< 15		15
2-Nitrophenol	< 50		50
2-Picoline	< 15		15
3,3-Dichlorobenzidine	< 15		15
3-Nitroaniline	< 15		15
4,6-Dinitro-2-methylphenol	< 50		50
4-Bromophenyl phenyl ether	< 15		15
4-Chloro-3-methylphenol	< 15		15
4-Chloroaniline	< 15		15
4-Chlorophenyl phenyl ether	< 15		15
4-Methylphenol	< 15		15
4-Nitroaniline	< 15		15
4-Nitrobiphenyl	< 50		50
4-Nitrophenol	< 50		50
5-Nitroacenaphthene	< 50		50
7,12-Dimethylbenzo(a)anthracene	< 75		75
Acenaphthene	< 15		15
Acenaphthylene	< 15		15
Acetophenone	< 15		15
Anthracene	< 15		15
Azobenzene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:49

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 15		15
Benzo(a)pyrene	< 15		15
Benzo(b)fluoranthene	< 15		15
Benzo(ghi)perylene	< 50		50
Benzo(k)fluoranthene	< 15		15
Bis(2-chloroethoxy)methane	< 15		15
Bis(2-chloroethyl)ether	< 15		15
Bis(2-ethylhexyl)phthalate	< 50		50
Butyl benzyl phthalate	< 50		50
Carbazole	< 15		15
Chrysene	< 15		15
Dibenzo(a,h)anthracene	< 50		50
Dibenzofuran	< 15		15
Diethylphthalate	< 15		15
Dimethylphthalate	< 15		15
Di-n-butylphthalate	< 15		15
Di-n-octylphthalate	< 50		50
Diphenylamine	< 15		15
Ethyl methanesulfonate	< 15		15
Fluoranthene	< 15		15
Fluorene	< 15		15
Hexachlorobenzene	< 15		15
Hexachlorobutadiene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:49

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 50		50
Hexachloroethane	< 15		15
Hexachloropropene	< 15		15
Indeno(1,2,3-cd)pyrene	< 50		50
Isodrin	< 15		15
Isophorone	< 15		15
Isosafrole	< 15		15
Mestranol	< 50		50
Methyl methanesulfonate	< 15		15
Naphthalene	< 15		15
Nitrobenzene	< 15		15
N-Nitrosodi-n-butylamine	< 15		15
N-Nitrosodi-n-propylamine	< 15		15
N-Nitrosopiperidine	< 15		15
p-Dimethylaminoazobenzene	< 15		15
Pentachlorobenzene	< 15		15
Pentachloronitrobenzene	< 15		15
Pentachlorophenol	< 50		50
Phenacetin	< 50		50
Phenanthrene	< 15		15
Phenol	< 15		15
Pronamide	< 15		15
Pyrene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 18:49

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 50		50
Safrole	< 15		15

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 12:01

Analyte	Result	Qualifier	Reporting Limit
Aluminum	< 10.0		10.0
Antimony	**45.1**	B2	1.00
Arsenic	< 1.00		1.00
Barium	< 1.00		1.00
Beryllium	< 0.10		0.10
Boron	< 2.50	B1	2.50
Cadmium	< 0.25		0.25
Calcium	**216**		50.0
Chromium	< 0.50		0.50
Cobalt	**0.87**		0.50
Copper	< 0.50		0.50
Iron	< 50.0		50.0
Lead	< 0.25		0.25
Magnesium	**34.1**		25.0

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X305**			Lab Sample ID:	**23A0170-07**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 16:45

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 12:01

Analyte	Result	Qualifier	Reporting Limit
Manganese	**9.27**		0.75
Nickel	**0.45**		0.25
Potassium	< 100		100
Selenium	**1.31**		1.00
Silver	< 0.25		0.25
Sodium	**290**		100
Strontium	**0.92**		0.50
Thallium	< 1.00	B2	1.00
Vanadium	< 0.25		0.25
Zinc	**10.8**		2.50

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 22:21

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 1.5		1.5
1,1,1-Trichloroethane	< 1.5	J5	1.5
1,1,2,2-Tetrachloroethane	< 1.5	J5	1.5
1,1,2-Trichloroethane	< 1.5		1.5
1,1-Dichloroethane	< 1.5		1.5
1,1-Dichloroethene	< 1.5		1.5
1,1-Dichloropropene	< 1.5		1.5
1,2,3-Trichloropropane	< 1.5		1.5
1,2-Dibromoethane	< 1.5		1.5
1,2-Dichloroethane	< 1.5		1.5
1,2-Dichloropropane	< 1.5		1.5
1,3-Dichloropropane	< 1.5		1.5
2,2-Dichloropropane	< 1.5		1.5
2-Butanone (MEK)	**16**		7.5
2-Hexanone (MBK)	< 7.5		7.5
4-Methyl-2-pentanone (MIBK)	< 1.5		1.5
Acetone	**110**		7.5
Benzene	< 1.5		1.5
Bromobenzene	< 1.5		1.5
Bromochloromethane	< 1.5		1.5
Bromodichloromethane	< 1.5		1.5
Bromoform	< 1.5		1.5
Bromomethane	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	01/13/23 14:13
Units:	ug/wipe	Analyzed:	01/17/23 22:21

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 1.5		1.5
Carbon tetrachloride	< 1.5		1.5
Chlorobenzene	< 1.5		1.5
Chloroethane	< 1.5		1.5
Chloroform	< 1.5		1.5
Chloromethane	< 1.5		1.5
cis-1,2-Dichloroethene	< 1.5		1.5
cis-1,3-Dichloropropene	< 1.5		1.5
Dibromochloromethane	< 1.5		1.5
Dibromomethane	< 1.5		1.5
Ethylbenzene	< 1.5		1.5
Isopropylbenzene	< 1.5		1.5
Methyl tert-butyl ether	< 1.5		1.5
Methylene chloride	< 3.8		3.8
Styrene	< 1.5		1.5
Tetrachloroethene	< 1.5		1.5
Toluene	< 1.5		1.5
trans-1,2-Dichloroethene	< 1.5		1.5
trans-1,3-Dichloropropene	< 1.5		1.5
Trichloroethene	< 1.5		1.5
Trichlorofluoromethane	< 1.5		1.5
Vinyl chloride	< 1.5		1.5
Xylenes, total	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 19:23

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 15		15
1,2,4-Trichlorobenzene	< 15		15
1,2-Dichlorobenzene	< 15		15
1,2-Dinitrobenzene	< 15		15
1,3-Dichlorobenzene	< 15		15
1,3-Dinitrobenzene	< 50		50
1,4-Dichlorobenzene	< 15		15
1,4-Dinitrobenzene	< 50		50
1-Chloronaphthalene	< 15		15
1-Naphthylamine	< 50	O2	50
2,2-Oxybis(1-chloropropane)	< 15		15
2,3,4,6-Tetrachlorophenol	< 15		15
2,4,5-Trichlorophenol	< 15		15
2,4,6-Trichlorophenol	< 15		15
2,4-Dichlorophenol	< 15		15
2,4-Dimethylphenol	< 15		15
2,4-Dinitrophenol	< 50		50
2,4-Dinitrotoluene	< 50		50
2,6-Dichlorophenol	< 15		15
2,6-Dinitrotoluene	< 15		15
2-Chloronaphthalene	< 15		15
2-Chlorophenol	< 15		15
2-Methylnaphthalene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 19:23

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 15		15
2-Naphthylamine	< 50		50
2-Nitroaniline	< 15		15
2-Nitrophenol	< 50		50
2-Picoline	< 15		15
3,3-Dichlorobenzidine	< 15		15
3-Nitroaniline	< 15		15
4,6-Dinitro-2-methylphenol	< 50		50
4-Bromophenyl phenyl ether	< 15		15
4-Chloro-3-methylphenol	< 15		15
4-Chloroaniline	< 15		15
4-Chlorophenyl phenyl ether	< 15		15
4-Methylphenol	< 15		15
4-Nitroaniline	< 15		15
4-Nitrobiphenyl	< 50		50
4-Nitrophenol	< 50		50
5-Nitroacenaphthene	< 50		50
7,12-Dimethylbenzo(a)anthracene	< 75		75
Acenaphthene	< 15		15
Acenaphthylene	< 15		15
Acetophenone	< 15		15
Anthracene	< 15		15
Azobenzene	< 15		15

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Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 19:23

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 15		15
Benzo(a)pyrene	< 15		15
Benzo(b)fluoranthene	< 15		15
Benzo(ghi)perylene	< 50		50
Benzo(k)fluoranthene	< 15		15
Bis(2-chloroethoxy)methane	< 15		15
Bis(2-chloroethyl)ether	< 15		15
Bis(2-ethylhexyl)phthalate	< 50		50
Butyl benzyl phthalate	< 50		50
Carbazole	< 15		15
Chrysene	< 15		15
Dibenzo(a,h)anthracene	< 50		50
Dibenzofuran	< 15		15
Diethylphthalate	< 15		15
Dimethylphthalate	< 15		15
Di-n-butylphthalate	< 15		15
Di-n-octylphthalate	< 50		50
Diphenylamine	< 15		15
Ethyl methanesulfonate	< 15		15
Fluoranthene	< 15		15
Fluorene	< 15		15
Hexachlorobenzene	< 15		15
Hexachlorobutadiene	< 15		15

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Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 19:23

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 50		50
Hexachloroethane	< 15		15
Hexachloropropene	< 15		15
Indeno(1,2,3-cd)pyrene	< 50		50
Isodrin	< 15		15
Isophorone	< 15		15
Isosafrole	< 15		15
Mestranol	< 50		50
Methyl methanesulfonate	< 15		15
Naphthalene	< 15		15
Nitrobenzene	< 15		15
N-Nitrosodi-n-butylamine	< 15		15
N-Nitrosodi-n-propylamine	< 15		15
N-Nitrosopiperidine	< 15		15
p-Dimethylaminoazobenzene	< 15		15
Pentachlorobenzene	< 15		15
Pentachloronitrobenzene	< 15		15
Pentachlorophenol	< 50		50
Phenacetin	< 50		50
Phenanthrene	< 15		15
Phenol	< 15		15
Pronamide	< 15		15
Pyrene	< 15		15

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Semivolatiles by GC/MS

Method:	8270	Prepared:	01/13/23 12:00
Units:	ug/wipe	Analyzed:	01/13/23 19:23

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 50		50
Safrole	< 15		15

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	01/18/23 10:18
Units:	ug/wipe	Analyzed:	01/23/23 12:06

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**124**		9.40
Antimony	**22.2**	B2	0.94
Arsenic	< 0.94		0.94
Barium	< 0.94		0.94
Beryllium	< 0.09		0.09
Boron	< 2.35	B1	2.35
Cadmium	< 0.23		0.23
Calcium	**118**		47.0
Chromium	< 0.47		0.47
Cobalt	< 0.47		0.47
Copper	< 0.47		0.47
Iron	< 47.0		47.0
Lead	**0.24**		0.23
Magnesium	< 23.5		23.5

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**				
Project/Facility Number:	0998160003			Date Received :	01/13/23
Funding Code:	CS29			Temperature C:	8.00
Client Sample ID:	**X306**			Lab Sample ID:	**23A0170-08**
Matrix:	Wipe	Collected By:	GK	Date/Time Collected:	01/12/23 17:05

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010			Prepared:	01/18/23 10:18
Units:	ug/wipe			Analyzed:	01/23/23 13:35

Analyte	Result	Qualifier	Reporting Limit
Manganese	**2270**		7.05
Nickel	< 0.23		0.23
Potassium	**836**		94.0
Selenium	**1.98**		0.94
Silver	< 0.23		0.23
Sodium	**173**		94.0
Strontium	**1.00**		0.47
Thallium	**1.07**	B2	0.94
Vanadium	< 0.23		0.23
Zinc	**28.6**		2.35

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**		
Project/Facility Number:	0998160003	Date Received :	01/13/23
Funding Code:	CS29	Temperature C:	8.00

Notes and Definitions

Q	Maximum holding time exceeded.
O2	Quality control sample failed low - possible low bias or false non-detect result.
J5	Blank spike failed high, result was less than the reporting limit - impact on data may be minimal.
J3	The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
I	See Case Narrative for more information.
B2	The sample matrix caused possible effects on measurement. The result may be biased high.
B1	The sample matrix caused possible effects on measurement. The result may be biased low.
ND	Analyte NOT DETECTED at or above the reporting limit
*	Non-NELAP accredited

Soil pH for 23A0170-01 was measured in water at 21°C.

A matrix spike and matrix spike duplicate for Method (8081/8082) was not prepared due to the unknown nature of the sample, therefore, NELAC and method requirements were not met. A duplicate was analyzed instead.

Wipe samples were collected and due to their nature, a matrix spike and matrix spike duplicate could not be performed for Method (8260 & 8270), therefore, NELAC and method requirements were not met.

Sample 23A0170-01; A waste dilution (reduced amount extracted) was performed on this sample for Methods 8081, 8082, and 8270. Reporting limits adjusted accordingly.

Method 8260 wipe samples were collected using isopropyl alcohol.

Metals: ICP24 - 23A0170-05(wipe) Client Matrix Assessment- sample failed method dilution test for Calcium, Iron, Magnesium, Potassium, Sodium, Zinc, and Antimony, and post spike test for Arseinc, Silver, Zinc and Selenium, indicating probable matrix interference.

Metals: ICP24 - 23A0170-01(solid) Client Matrix Assessment- sample failed method dilution test for Calcium, Silver, Zinc, Selenium, and Thallium, and post spike test for Arseinc and Boron, indicating probable matrix interference.

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LABORATORY RESULTS

Name:	**CARUS CHEMICAL**		
Project/Facility Number:	0998160003	Date Received :	01/13/23
Funding Code:	CS29	Temperature C:	8.00

Report Authorized by:

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Reported:
01/30/23 14:33