Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Volatile Organic Compounds by GC/MS

Method:	524.3	Prepared:	07/23/21 08:00
Units:	ug/L	Analyzed:	07/23/21 16:00

Analyte	Result	Qualifier	Reporting Limit
1,1,1-Trichloroethane	< 0.50		0.50
1,1,2-Trichloroethane	< 0.50		0.50
1,1-Dichloroethene	< 0.50		0.50
1,2,4-Trichlorobenzene	< 0.50		0.50
1,2-Dichlorobenzene	< 0.50		0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50		0.50
Benzene	< 0.50		0.50
Carbon tetrachloride	< 0.50		0.50
Chlorobenzene	< 0.50		0.50
cis-1,2-Dichloroethene	< 0.50		0.50
Ethylbenzene	< 0.50		0.50
Methyl tert-butyl ether	< 0.50		0.50
Methylene chloride	< 0.50		0.50
Styrene	< 0.50		0.50
Tetrachloroethene	< 0.50		0.50
Toluene	< 0.50		0.50
trans-1,2-Dichloroethene	< 0.50		0.50
Trichloroethene	< 0.50		0.50
Vinyl chloride	< 0.50		0.50
Xylenes, total	< 0.50		0.50

Reported:
07/29/21 15:26

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	07/26/21 08:00
Units:	ug/L	Analyzed:	07/27/21 10:19

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	O1	5.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	07/26/21 08:00
Units:	ug/L	Analyzed:	07/27/21 10:19

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	< 2.0		2.0
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:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:12

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 1.5		1.5
1,2,4-Trichlorobenzene	< 1.5		1.5
1,2-Dichlorobenzene	< 1.5		1.5
1,2-Dinitrobenzene	< 1.5		1.5
1,3-Dichlorobenzene	< 1.5		1.5
1,3-Dinitrobenzene	< 5.0		5.0
1,4-Dichlorobenzene	< 1.5		1.5
1,4-Dinitrobenzene	< 5.0		5.0
1-Chloronaphthalene	< 1.5		1.5
1-Naphthylamine	< 5.0		5.0
2,2-Oxybis(1-chloropropane)	< 1.5		1.5
2,3,4,6-Tetrachlorophenol	< 1.5		1.5
2,4,5-Trichlorophenol	< 1.5		1.5
2,4,6-Trichlorophenol	< 1.5		1.5
2,4-Dichlorophenol	< 1.5		1.5
2,4-Dimethylphenol	< 1.5		1.5
2,4-Dinitrophenol	< 7.5		7.5
2,4-Dinitrotoluene	< 5.0		5.0
2,6-Dichlorophenol	< 1.5		1.5
2,6-Dinitrotoluene	< 1.5		1.5
2-Chloronaphthalene	< 1.5		1.5
2-Chlorophenol	< 1.5		1.5
2-Methylnaphthalene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:12

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 1.5		1.5
2-Naphthylamine	< 5.0		5.0
2-Nitroaniline	< 1.5		1.5
2-Nitrophenol	< 5.0		5.0
2-Picoline	< 1.5		1.5
3,3-Dichlorobenzidine	< 1.5		1.5
3-Nitroaniline	< 1.5		1.5
4,6-Dinitro-2-methylphenol	< 5.0		5.0
4-Bromophenyl phenyl ether	< 1.5		1.5
4-Chloro-3-methylphenol	< 1.5		1.5
4-Chloroaniline	< 1.5		1.5
4-Chlorophenyl phenyl ether	< 1.5		1.5
4-Methylphenol	< 1.5		1.5
4-Nitroaniline	< 1.5		1.5
4-Nitrobiphenyl	< 5.0		5.0
4-Nitrophenol	< 5.0		5.0
5-Nitroacenaphthene	< 5.0		5.0
7,12-Dimethylbenzo(a)anthracene	< 5.0		5.0
Acenaphthene	< 1.5		1.5
Acenaphthylene	< 1.5		1.5
Acetophenone	< 1.5		1.5
Anthracene	< 1.5		1.5
Azobenzene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:12

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 1.5		1.5
Benzo(a)pyrene	< 1.5		1.5
Benzo(b)fluoranthene	< 1.5		1.5
Benzo(ghi)perylene	< 5.0		5.0
Benzo(k)fluoranthene	< 1.5		1.5
Bis(2-chloroethoxy)methane	< 1.5		1.5
Bis(2-chloroethyl)ether	< 1.5		1.5
Bis(2-ethylhexyl)phthalate	< 5.0		5.0
Butyl benzyl phthalate	< 5.0		5.0
Carbazole	< 1.5		1.5
Chrysene	< 1.5		1.5
Dibenzo(a,h)anthracene	< 5.0		5.0
Dibenzofuran	< 1.5		1.5
Diethylphthalate	< 1.5		1.5
Dimethylphthalate	< 1.5		1.5
Di-n-butylphthalate	< 1.5		1.5
Di-n-octylphthalate	< 5.0		5.0
Diphenylamine	< 1.5		1.5
Ethyl methanesulfonate	< 1.5		1.5
Fluoranthene	< 1.5		1.5
Fluorene	< 1.5		1.5
Hexachlorobenzene	< 1.5		1.5
Hexachlorobutadiene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:12

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 1.5		1.5
Hexachloroethane	< 1.5		1.5
Hexachloropropene	< 1.5		1.5
Indeno(1,2,3-cd)pyrene	< 5.0		5.0
Isodrin	< 1.5		1.5
Isophorone	< 1.5		1.5
Isosafrole	< 1.5		1.5
Mestranol	< 5.0		5.0
Methyl methanesulfonate	< 1.5		1.5
Naphthalene	< 1.5		1.5
Nitrobenzene	< 1.5		1.5
N-Nitrosodi-n-butylamine	< 1.5		1.5
N-Nitrosodi-n-propylamine	< 1.5		1.5
N-Nitrosopiperidine	< 1.5		1.5
p-Dimethylaminoazobenzene	< 1.5		1.5
Pentachlorobenzene	< 1.5		1.5
Pentachloronitrobenzene	< 1.5		1.5
Pentachlorophenol	< 5.0		5.0
Phenacetin	< 1.5		1.5
Phenanthrene	< 1.5		1.5
Phenol	< 1.5		1.5
Pronamide	< 1.5		1.5
Pyrene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**		
Project/Facility Number:	2010355004	Date Received :	07/22/21
Funding Code:	CS29 B50	Temperature C:	2.00
Client Sample ID:	**G213**	Lab Sample ID:	**21G0928-01**
Matrix:	Water Collected By: KJ	Date/Time Collected:	07/22/21 13:34

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:12

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 1.5		1.5
Safrole	< 1.5		1.5

Hexavalent Chromium

Method:	218.6	Prepared:	07/23/21 08:45
Units:	ug/L	Analyzed:	07/23/21 08:45

Analyte	Result	Qualifier	Reporting Limit
Hexavalent Chromium	< 50.0		50.0

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	07/26/21 15:25
Units:	ug/L	Analyzed:	07/27/21 10:23

Analyte	Result	Qualifier	Reporting Limit
Mercury	< 0.06		0.06

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

LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Metals (Digested Drinking Water) by EPA 200 Series Methods ICP

Method:	200.7	Prepared:	07/26/21 07:47
Units:	ug/L	Analyzed:	07/26/21 11:26

Analyte	Result	Qualifier	Reporting Limit
Boron	**31.0**		25.0
Calcium	**73800**		300
Hardness	**301000**		1980
Iron	< 200		200
Magnesium	**28400**		300
Potassium	**2070**		1400
Silica	**18000**		2500
Sodium	**13700**		1000
Strontium	**62.0**		10.0

Metals by EPA 200 Series Methods ICP/MS

Method:	200.8	Prepared:	07/28/21 11:20
Units:	ug/L	Analyzed:	07/28/21 16:10

Analyte	Result	Qualifier	Reporting Limit
Aluminum	< 100		100
Antimony	< 2.00		2.00
Arsenic	< 1.00		1.00
Barium	**35.8**		5.00
Beryllium	< 1.00		1.00
Cadmium	< 3.00		3.00
Chromium	< 5.00		5.00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported:
07/29/21 15:26

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

LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G213**			Lab Sample ID:	**21G0928-01**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 13:34

Metals by EPA 200 Series Methods ICP/MS

Method:	200.8	Prepared:	07/28/21 11:20
Units:	ug/L	Analyzed:	07/28/21 16:10

Analyte	Result	Qualifier	Reporting Limit
Cobalt	< 10.0		10.0
Copper	< 100		100
Lead	< 5.00		5.00
Manganese	< 15.0		15.0
Molybdenum	< 20.0		20.0
Nickel	< 25.0		25.0
Selenium	< 2.00		2.00
Silver	< 10.0		10.0
Thallium	< 2.00		2.00
Vanadium	< 5.00		5.00
Zinc	< 100		100

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Volatile Organic Compounds by GC/MS

Method:	524.3	Prepared:	07/23/21 08:00
Units:	ug/L	Analyzed:	07/23/21 16:24

Analyte	Result	Qualifier	Reporting Limit
1,1,1-Trichloroethane	< 0.50		0.50
1,1,2-Trichloroethane	< 0.50		0.50
1,1-Dichloroethene	< 0.50		0.50
1,2,4-Trichlorobenzene	< 0.50		0.50
1,2-Dichlorobenzene	< 0.50		0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50		0.50
Benzene	< 0.50		0.50
Carbon tetrachloride	< 0.50		0.50
Chlorobenzene	< 0.50		0.50
cis-1,2-Dichloroethene	< 0.50		0.50
Ethylbenzene	< 0.50		0.50
Methyl tert-butyl ether	< 0.50		0.50
Methylene chloride	< 0.50		0.50
Styrene	< 0.50		0.50
Tetrachloroethene	< 0.50		0.50
Toluene	< 0.50		0.50
trans-1,2-Dichloroethene	< 0.50		0.50
Trichloroethene	< 0.50		0.50
Vinyl chloride	< 0.50		0.50
Xylenes, total	< 0.50		0.50

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	07/28/21 08:00
Units:	ug/L	Analyzed:	07/28/21 16:26

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	O1	5.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	07/28/21 08:00
Units:	ug/L	Analyzed:	07/28/21 16:26

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	< 2.0		2.0
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	O1	2.0
Xylenes, total	< 2.0		2.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:47

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 1.5		1.5
1,2,4-Trichlorobenzene	< 1.5		1.5
1,2-Dichlorobenzene	< 1.5		1.5
1,2-Dinitrobenzene	< 1.5		1.5
1,3-Dichlorobenzene	< 1.5		1.5
1,3-Dinitrobenzene	< 5.0		5.0
1,4-Dichlorobenzene	< 1.5		1.5
1,4-Dinitrobenzene	< 5.0		5.0
1-Chloronaphthalene	< 1.5		1.5
1-Naphthylamine	< 5.0		5.0
2,2-Oxybis(1-chloropropane)	< 1.5		1.5
2,3,4,6-Tetrachlorophenol	< 1.5		1.5
2,4,5-Trichlorophenol	< 1.5		1.5
2,4,6-Trichlorophenol	< 1.5		1.5
2,4-Dichlorophenol	< 1.5		1.5
2,4-Dimethylphenol	< 1.5		1.5
2,4-Dinitrophenol	< 7.5		7.5
2,4-Dinitrotoluene	< 5.0		5.0
2,6-Dichlorophenol	< 1.5		1.5
2,6-Dinitrotoluene	< 1.5		1.5
2-Chloronaphthalene	< 1.5		1.5
2-Chlorophenol	< 1.5		1.5
2-Methylnaphthalene	< 1.5		1.5

Reported:
07/29/21 15:26

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:47

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 1.5		1.5
2-Naphthylamine	< 5.0		5.0
2-Nitroaniline	< 1.5		1.5
2-Nitrophenol	< 5.0		5.0
2-Picoline	< 1.5		1.5
3,3-Dichlorobenzidine	< 1.5		1.5
3-Nitroaniline	< 1.5		1.5
4,6-Dinitro-2-methylphenol	< 5.0		5.0
4-Bromophenyl phenyl ether	< 1.5		1.5
4-Chloro-3-methylphenol	< 1.5		1.5
4-Chloroaniline	< 1.5		1.5
4-Chlorophenyl phenyl ether	< 1.5		1.5
4-Methylphenol	< 1.5		1.5
4-Nitroaniline	< 1.5		1.5
4-Nitrobiphenyl	< 5.0		5.0
4-Nitrophenol	< 5.0		5.0
5-Nitroacenaphthene	< 5.0		5.0
7,12-Dimethylbenzo(a)anthracene	< 5.0		5.0
Acenaphthene	< 1.5		1.5
Acenaphthylene	< 1.5		1.5
Acetophenone	< 1.5		1.5
Anthracene	< 1.5		1.5
Azobenzene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:47

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 1.5		1.5
Benzo(a)pyrene	< 1.5		1.5
Benzo(b)fluoranthene	< 1.5		1.5
Benzo(ghi)perylene	< 5.0		5.0
Benzo(k)fluoranthene	< 1.5		1.5
Bis(2-chloroethoxy)methane	< 1.5		1.5
Bis(2-chloroethyl)ether	< 1.5		1.5
Bis(2-ethylhexyl)phthalate	< 5.0		5.0
Butyl benzyl phthalate	< 5.0		5.0
Carbazole	< 1.5		1.5
Chrysene	< 1.5		1.5
Dibenzo(a,h)anthracene	< 5.0		5.0
Dibenzofuran	< 1.5		1.5
Diethylphthalate	< 1.5		1.5
Dimethylphthalate	< 1.5		1.5
Di-n-butylphthalate	< 1.5		1.5
Di-n-octylphthalate	< 5.0		5.0
Diphenylamine	< 1.5		1.5
Ethyl methanesulfonate	< 1.5		1.5
Fluoranthene	< 1.5		1.5
Fluorene	< 1.5		1.5
Hexachlorobenzene	< 1.5		1.5
Hexachlorobutadiene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:47

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 1.5		1.5
Hexachloroethane	< 1.5		1.5
Hexachloropropene	< 1.5		1.5
Indeno(1,2,3-cd)pyrene	< 5.0		5.0
Isodrin	< 1.5		1.5
Isophorone	< 1.5		1.5
Isosafrole	< 1.5		1.5
Mestranol	< 5.0		5.0
Methyl methanesulfonate	< 1.5		1.5
Naphthalene	< 1.5		1.5
Nitrobenzene	< 1.5		1.5
N-Nitrosodi-n-butylamine	< 1.5		1.5
N-Nitrosodi-n-propylamine	< 1.5		1.5
N-Nitrosopiperidine	< 1.5		1.5
p-Dimethylaminoazobenzene	< 1.5		1.5
Pentachlorobenzene	< 1.5		1.5
Pentachloronitrobenzene	< 1.5		1.5
Pentachlorophenol	< 5.0		5.0
Phenacetin	< 1.5		1.5
Phenanthrene	< 1.5		1.5
Phenol	< 1.5		1.5
Pronamide	< 1.5		1.5
Pyrene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Semivolatiles by GC/MS

Method:	8270	Prepared:	07/23/21 10:52
Units:	ug/L	Analyzed:	07/26/21 16:47

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 1.5		1.5
Safrole	< 1.5		1.5

Hexavalent Chromium

Method:	218.6	Prepared:	07/23/21 08:45
Units:	ug/L	Analyzed:	07/23/21 08:45

Analyte	Result	Qualifier	Reporting Limit
Hexavalent Chromium	< 50.0		50.0

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	07/26/21 15:25
Units:	ug/L	Analyzed:	07/27/21 10:25

Analyte	Result	Qualifier	Reporting Limit
Mercury	< 0.06		0.06

Reported:
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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Metals (Digested Drinking Water) by EPA 200 Series Methods ICP

Method:	200.7	Prepared:	07/26/21 07:47
Units:	ug/L	Analyzed:	07/26/21 11:29

Analyte	Result	Qualifier	Reporting Limit
Boron	**41.0**		25.0
Calcium	**93600**		300
Hardness	**401000**		1980
Iron	< 200		200
Magnesium	**40600**		300
Potassium	**1670**		1400
Silica	**15500**		2500
Sodium	**50700**		1000
Strontium	**62.9**		10.0

Metals by EPA 200 Series Methods ICP/MS

Method:	200.8	Prepared:	07/28/21 11:20
Units:	ug/L	Analyzed:	07/28/21 16:23

Analyte	Result	Qualifier	Reporting Limit
Aluminum	< 100		100
Antimony	< 2.00		2.00
Arsenic	< 1.00		1.00
Barium	**36.7**		5.00
Beryllium	< 1.00		1.00
Cadmium	< 3.00		3.00
Chromium	< 5.00		5.00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported:
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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**G203**			Lab Sample ID:	**21G0928-02**
Matrix:	Water	Collected By:	KJ	Date/Time Collected:	07/22/21 12:42

Metals by EPA 200 Series Methods ICP/MS

Method:	200.8	Prepared:	07/28/21 11:20
Units:	ug/L	Analyzed:	07/28/21 16:23

Analyte	Result	Qualifier	Reporting Limit
Cobalt	< 10.0		10.0
Copper	< 100		100
Lead	< 5.00		5.00
Manganese	< 15.0		15.0
Molybdenum	< 20.0		20.0
Nickel	< 25.0		25.0
Selenium	< 2.00		2.00
Silver	< 10.0		10.0
Thallium	< 2.00		2.00
Vanadium	< 5.00		5.00
Zinc	**140**		100

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**TB4**			Lab Sample ID:	**21G0928-03**
Matrix:	Water	Collected By:	KJ/JO	Date/Time Collected:	07/22/21 0:00

Volatile Organic Compounds by GC/MS

Method:	524.3	Prepared:	07/23/21 08:00
Units:	ug/L	Analyzed:	07/23/21 19:55

Analyte	Result	Qualifier	Reporting Limit
1,1,1-Trichloroethane	< 0.50		0.50
1,1,2-Trichloroethane	< 0.50		0.50
1,1-Dichloroethene	< 0.50		0.50
1,2,4-Trichlorobenzene	< 0.50		0.50
1,2-Dichlorobenzene	< 0.50		0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50		0.50
Benzene	< 0.50		0.50
Carbon tetrachloride	< 0.50		0.50
Chlorobenzene	< 0.50		0.50
cis-1,2-Dichloroethene	< 0.50		0.50
Ethylbenzene	< 0.50		0.50
Methyl tert-butyl ether	< 0.50		0.50
Methylene chloride	< 0.50		0.50
Styrene	< 0.50		0.50
Tetrachloroethene	< 0.50		0.50
Toluene	< 0.50		0.50
trans-1,2-Dichloroethene	< 0.50		0.50
Trichloroethene	< 0.50		0.50
Vinyl chloride	< 0.50		0.50
Xylenes, total	< 0.50		0.50

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**TB4**			Lab Sample ID:	**21G0928-03**
Matrix:	Water	Collected By:	KJ/JO	Date/Time Collected:	07/22/21 0:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	07/26/21 08:00
Units:	ug/L	Analyzed:	07/27/21 15:15

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	O1	5.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	07/22/21
Funding Code:	CS29 B50			Temperature C:	2.00
Client Sample ID:	**TB4**			Lab Sample ID:	**21G0928-03**
Matrix:	Water	Collected By:	KJ/JO	Date/Time Collected:	07/22/21 0:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	07/26/21 08:00
Units:	ug/L	Analyzed:	07/27/21 15:15

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	< 2.0		2.0
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:	**CHEMTOOL**		
Project/Facility Number:	2010355004	Date Received :	07/22/21
Funding Code:	CS29 B50	Temperature C:	2.00

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

LABORATORY RESULTS

Name:	**CHEMTOOL**		
Project/Facility Number:	2010355004	Date Received :	07/22/21
Funding Code:	CS29 B50	Temperature C:	2.00

Notes and Definitions

O1	Quality control sample failed high - possible high bias or false positive result.
ND	Analyte NOT DETECTED at or above the reporting limit
*	Non-NELAP accredited

Method 8270: There was insufficient amount of sample to perform a matrix spike duplicate analysis. NELAC and method requirements were not met.

Drinking Water Methods 200.7 and 200.8 were assigned to this work order for Metals analysis. No samples in this work order required a digestion to be performed based on turbidity.

Report Authorized by:

Tom Weiss
Laboratory Manager

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