

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122222\
 Data File : VX033549.D
 Acq On : 22 Dec 2022 17:02
 Operator : JC/MD
 Sample : N4519-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2022-07

Quant Time: Dec 23 05:01:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 23 04:40:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	223511	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	204288	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	99578	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	56133	47.211	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.420%
7) Chloroethane-d5	1.672	69	47793	51.398	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.306	63	73482	38.709	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.420%
21) 2-Butanone-d5	4.458	46	93770	108.572	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.570%
24) Chloroform-d	5.056	84	150821	51.167	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.340%
26) 1,2-Dichloroethane-d4	5.952	65	97841	53.536	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.080%
32) Benzene-d6	5.976	84	287693	49.311	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.620%
36) 1,2-Dichloropropane-d6	7.306	67	87446	51.302	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.600%
41) Toluene-d8	8.647	98	284159	50.182	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.360%
43) trans-1,3-Dichloroprop...	8.952	79	43717	53.052	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.100%
47) 2-Hexanone-d5	9.384	63	75608	108.202	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.200%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	124319	53.190	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.380%
66) 1,2-Dichlorobenzene-d4	12.323	152	109329	52.928	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	934	1.731	ug/L	96
3) Chloromethane	1.294	50	1350	1.993	ug/L	99
5) Vinyl chloride	1.374	62	1858	2.076	ug/L #	55
6) Bromomethane	1.618	94	1218	2.288	ug/L	75
8) Chloroethane	1.697	64	1115	1.873	ug/L	97
9) Trichlorofluoromethane	1.892	101	2918	1.970	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	2324	2.466	ug/L #	80
12) 1,1-Dichloroethene	2.319	96	2307	2.722	ug/L #	1
13) Acetone	2.392	43	2251	4.058	ug/L	96
14) Carbon disulfide	2.514	76	4597	1.783	ug/L	97
15) Methyl Acetate	2.709	43	2212	1.994	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	2439	1.943	ug/L	93
18) Methyl tert-butyl Ether	3.117	73	7586	1.907	ug/L	99
19) 1,1-Dichloroethane	3.611	63	4232	1.942	ug/L	94
20) cis-1,2-Dichloroethene	4.495	96	2854	1.940	ug/L	94
22) 2-Butanone	4.568	43	3790m	4.148	ug/L	
23) Bromochloromethane	4.910	128	1548m	1.966	ug/L	
27) 1,2-Dichloroethane	6.092	62	4036	2.090	ug/L #	90
29) Cyclohexane	5.470	56	3485	1.746	ug/L #	18

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.379	97	4444	1.871	ug/L	91
31) Carbon tetrachloride	5.684	117	4187	1.986	ug/L	99
33) Benzene	6.037	78	10324	1.902	ug/L	100
35) Methylcyclohexane	7.385	83	3760	1.695	ug/L	98
37) 1,2-Dichloropropane	7.434	63	2753	2.056	ug/L #	85
38) Bromodichloromethane	7.824	83	4308	2.180	ug/L #	90
39) cis-1,3-Dichloropropene	8.366	75	3946	1.814	ug/L	92
40) 4-Methyl-2-pentanone	8.574	43	6393	3.856	ug/L	95
42) Toluene	8.720	91	11359	1.851	ug/L	93
44) trans-1,3-Dichloropropene	8.982	75	4332	2.121	ug/L	94
45) 1,1,2-Trichloroethane	9.153	97	2821	1.947	ug/L	99
46) Tetrachloroethene	9.281	164	2260	1.769	ug/L	98
49) Dibromochloromethane	9.525	129	3377	1.995	ug/L	98
50) 1,2-Dibromoethane	9.610	107	3167	2.024	ug/L	97
51) Chlorobenzene	10.079	112	8184	2.010	ug/L	94
52) Ethylbenzene	10.195	91	12919	1.922	ug/L	100
53) m,p-Xylene	10.305	106	4937	1.841	ug/L	97
54) o-Xylene	10.640	106	4747	1.810	ug/L	97
55) Styrene	10.659	104	7785	1.761	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	4720	2.227	ug/L #	97
59) Bromoform	10.805	173	2421	2.088	ug/L	98
60) Isopropylbenzene	10.963	105	12198	1.853	ug/L	97
61) 1,2,3-Trichloropropane	11.244	75	3313	2.112	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	9987	1.786	ug/L	96
63) 1,2,4-Trimethylbenzene	11.756	105	9788	1.780	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	5630	1.872	ug/L	91
65) 1,4-Dichlorobenzene	12.042	146	6130	2.015	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	6142	2.069	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	861m	2.042	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3992	1.984	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	3189	1.750	ug/L	96
71) Naphthalene	13.774	128	10647	1.788	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	3576	1.966	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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