

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021422\
 Data File : VX027020.D
 Acq On : 14 Feb 2022 18:00
 Operator : JC/MD
 Sample : N1331-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2022-01

Quant Time: Feb 15 05:50:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 15 05:10:18 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/16/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	132689	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	124551	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	60871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	50076	42.517	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.040%		
7) Chloroethane-d5	1.672	69	37715	49.905	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.820%		
11) 1,1-Dichloroethene-d2	2.313	63	80100	35.468	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.940%		
21) 2-Butanone-d5	4.459	46	84735	103.573	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.570%		
24) Chloroform-d	5.062	84	100696	45.527	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.060%		
26) 1,2-Dichloroethane-d4	5.958	65	67429	47.039	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.080%		
32) Benzene-d6	5.977	84	209025	46.587	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.180%		
36) 1,2-Dichloropropane-d6	7.312	67	64078	48.078	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.160%		
41) Toluene-d8	8.653	98	188167	45.836	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.680%		
43) trans-1,3-Dichloroprop...	8.952	79	25858	42.552	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.100%		
47) 2-Hexanone-d5	9.384	63	59862	103.891	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.890%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	78823	50.043	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.080%		
66) 1,2-Dichlorobenzene-d4	12.323	152	68470	49.519	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	2876	2.019	ug/L	96
3) Chloromethane	1.294	50	2263	2.019	ug/L	97
5) Vinyl chloride	1.374	62	2373	2.106	ug/L #	60
6) Bromomethane	1.618	94	1392	2.904	ug/L	95
8) Chloroethane	1.691	64	1226	2.013	ug/L	88
9) Trichlorofluoromethane	1.892	101	2877	1.835	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	2720	2.691	ug/L #	77
12) 1,1-Dichloroethene	2.325	96	2443	2.631	ug/L #	1
13) Acetone	2.386	43	2525	3.667	ug/L	100
14) Carbon disulfide	2.514	76	4817	1.751	ug/L	98
15) Methyl Acetate	2.709	43	2292	2.155	ug/L	100
16) Methylene chloride	2.794	84	2103	2.068	ug/L	93
17) trans-1,2-Dichloroethene	3.099	96	1819	1.852	ug/L	94
18) Methyl tert-butyl Ether	3.117	73	5736	1.903	ug/L	98
19) 1,1-Dichloroethane	3.617	63	3388	1.934	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	2141	1.986	ug/L	98
22) 2-Butanone	4.568	43	3343	3.791	ug/L #	68
23) Bromochloromethane	4.910	128	982	1.784	ug/L	80
25) Chloroform	5.099	83	5114	2.729	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	2895	1.997	ug/L	96
29) Cyclohexane	5.477	56	3264m	1.911	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	2763	1.705	ug/L	98
31) Carbon tetrachloride	5.684	117	2493	1.734	ug/L #	46
33) Benzene	6.044	78	7635	1.897	ug/L	100
34) Trichloroethene	7.135	95	2217	1.926	ug/L	96
35) Methylcyclohexane	7.385	83	3228	1.855	ug/L	95
37) 1,2-Dichloropropane	7.434	63	1947	1.924	ug/L #	85
38) Bromodichloromethane	7.824	83	2294	1.688	ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	2506	1.652	ug/L	86
40) 4-Methyl-2-pentanone	8.574	43	5535	3.847	ug/L	98
42) Toluene	8.720	91	11014	2.549	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	3810	2.672	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	1958	1.978	ug/L	97
46) Tetrachloroethene	9.275	164	1502	1.762	ug/L	91
48) 2-Hexanone	9.433	43	5362	4.603	ug/L	95
49) Dibromochloromethane	9.525	129	1882	1.734	ug/L	96
50) 1,2-Dibromoethane	9.610	107	1954	1.881	ug/L #	92
51) Chlorobenzene	10.079	112	5324	1.924	ug/L	98
52) Ethylbenzene	10.195	91	8690	1.870	ug/L	100
53) m,p-Xylene	10.305	106	3487	1.903	ug/L	100
54) o-Xylene	10.640	106	3262	1.861	ug/L	100
55) Styrene	10.659	104	5423	1.827	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	2929	2.235	ug/L	96
59) Bromoform	10.799	173	1111	1.591	ug/L #	88
60) Isopropylbenzene	10.963	105	8342	1.897	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	2355	2.040	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	5376	1.772	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	6890	1.870	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	3880	1.983	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	3880	1.971	ug/L	91
67) 1,2-Dichlorobenzene	12.335	146	3773	1.995	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.945	75	464m	1.655	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2649	1.970	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	2111	1.779	ug/L	95
71) Naphthalene	13.780	128	6561	1.660	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2271	1.914	ug/L	95

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

