

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052621\
 Data File : VX022185.D
 Acq On : 25 May 2021 19:24
 Operator : JC/MD
 Sample : M2250-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2021-05

Manual Integrations
 APPROVED

MMDadoda
 5/26/2021 3:17:09 PM

Quant Time: May 26 02:36:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM052621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 25 17:28:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	155736	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	138984	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	58622	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	57938	48.902	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.800%		
7) Chloroethane-d5	1.666	69	46729	52.224	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	104.440%		
11) 1,1-Dichloroethene-d2	2.306	63	88719	40.862	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.720%		
21) 2-Butanone-d5	4.465	46	103013	109.904	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.900%		
24) Chloroform-d	5.068	84	110000	50.365	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.720%		
26) 1,2-Dichloroethane-d4	5.964	65	73813	51.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.940%		
32) Benzene-d6	5.983	84	236923	53.101	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.200%		
36) 1,2-Dichloropropane-d6	7.318	67	74919	53.579	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	107.160%		
41) Toluene-d8	8.653	98	212667	52.423	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.840%		
43) trans-1,3-Dichloroprop...	8.952	79	33575	48.784	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.560%		
47) 2-Hexanone-d5	9.390	63	73898	109.297	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.300%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	98986	51.752	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.500%		
66) 1,2-Dichlorobenzene-d4	12.323	152	67000	54.746	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	2231	1.951	ug/L #	87
3) Chloromethane	1.294	50	2456	2.172	ug/L	99
5) Vinyl chloride	1.374	62	2873	2.330	ug/L #	69
6) Bromomethane	1.605	94	1841	3.109	ug/L	94
8) Chloroethane	1.691	64	1517	2.063	ug/L	91
9) Trichlorofluoromethane	1.892	101	3201	1.880	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	2670	2.611	ug/L #	72
12) 1,1-Dichloroethene	2.319	96	2521	2.578	ug/L #	1
13) Acetone	2.386	43	2978	4.573	ug/L	91
14) Carbon disulfide	2.514	76	5830	2.054	ug/L	95
15) Methyl Acetate	2.709	43	2845	2.185	ug/L	96
16) Methylene chloride	2.794	84	3173	2.625	ug/L	78
17) trans-1,2-Dichloroethene	3.099	96	2162	2.010	ug/L	89
18) Methyl tert-butyl Ether	3.117	73	7180m	1.965	ug/L	
19) 1,1-Dichloroethane	3.617	63	3998	1.997	ug/L	96
20) cis-1,2-Dichloroethene	4.501	96	2447	1.999	ug/L	83
22) 2-Butanone	4.580	43	4203	4.151	ug/L #	63
23) Bromochloromethane	4.903	128	1059	1.866	ug/L #	83
25) Chloroform	5.092	83	6234m	3.050	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.104	62	3476	2.165	ug/L #	90
29) Cyclohexane	5.483	56	3681	1.976	ug/L #	25
30) 1,1,1-Trichloroethane	5.391	97	3210	1.866	ug/L #	58
31) Carbon tetrachloride	5.690	117	2561	1.803	ug/L	100
33) Benzene	6.050	78	9537	2.117	ug/L	100
34) Trichloroethene	7.135	95	2280	2.005	ug/L	91
35) Methylcyclohexane	7.391	83	3963	2.113	ug/L	95
37) 1,2-Dichloropropane	7.440	63	2583	2.238	ug/L #	86
38) Bromodichloromethane	7.830	83	2601	1.805	ug/L	87
39) cis-1,3-Dichloropropene	8.372	75	3424	1.916	ug/L	90
40) 4-Methyl-2-pentanone	8.580	43	7285	4.006	ug/L	91
42) Toluene	8.726	91	12806	2.690	ug/L	94
44) trans-1,3-Dichloropropene	8.982	75	3523	2.012	ug/L	93
45) 1,1,2-Trichloroethane	9.159	97	2276	2.052	ug/L	98
46) Tetrachloroethene	9.281	164	1553	2.043	ug/L	95
48) 2-Hexanone	9.433	43	5817	4.011	ug/L	91
49) Dibromochloromethane	9.531	129	1982	1.882	ug/L	96
50) 1,2-Dibromoethane	9.622	107	2343	2.053	ug/L #	86
51) Chlorobenzene	10.079	112	6065	2.032	ug/L	99
52) Ethylbenzene	10.201	91	10387	1.961	ug/L	93
53) m,p-Xylene	10.305	106	4105	2.034	ug/L	87
54) o-Xylene	10.646	106	3685	1.879	ug/L	99
55) Styrene	10.659	104	5737	1.738	ug/L	87
57) 1,1,2,2-Tetrachloroethane	11.219	83	4188	2.316	ug/L #	95
59) Bromoform	10.805	173	1124	1.863	ug/L #	84
60) Isopropylbenzene	10.969	105	9010	1.903	ug/L	96
61) 1,2,3-Trichloropropane	11.244	75	2949	2.177	ug/L	96
62) 1,3,5-Trimethylbenzene	11.457	105	7696	1.931	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	8426	2.090	ug/L	93
64) 1,3-Dichlorobenzene	11.975	146	3792	1.987	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	4024	2.101	ug/L	96
67) 1,2-Dichlorobenzene	12.341	146	3950	2.056	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.945	75	642m	1.863	ug/L	
69) 1,3,5-Trichlorobenzene	13.121	180	2371m	1.929	ug/L	
70) 1,2,4-trichlorobenzene	13.591	180	2128	1.912	ug/L	93
71) Naphthalene	13.780	128	8875	1.908	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	1936	1.732	ug/L	93

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

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