

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081221\
 Data File : VX023666.D
 Acq On : 12 Aug 2021 11:48
 Operator : JC/MD
 Sample : M3263-02 2.5PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2021-08

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 3:43:58 PM

Quant Time: Aug 13 01:02:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 13 01:00:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	298912	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	280122	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	122531	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	68140	43.735	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.480%		
7) Chloroethane-d5	1.666	69	63424	49.554	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.100%		
11) 1,1-Dichloroethene-d2	2.306	63	123256	36.420	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.840%		
21) 2-Butanone-d5	4.465	46	173446	115.471	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.470%		
24) Chloroform-d	5.068	84	173925	49.300	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.600%		
26) 1,2-Dichloroethane-d4	5.964	65	126649	52.369	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.740%		
32) Benzene-d6	5.983	84	356418	50.509	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.020%		
36) 1,2-Dichloropropane-d6	7.312	67	115017	51.803	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.600%		
41) Toluene-d8	8.653	98	332946	48.992	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.980%		
43) trans-1,3-Dichloroprop...	8.952	79	50163	47.743	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.480%		
47) 2-Hexanone-d5	9.391	63	123806	115.984	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.980%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	153923	52.041	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.080%		
66) 1,2-Dichlorobenzene-d4	12.323	152	113555	52.812	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.620%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	3780	2.035	ug/L	100
3) Chloromethane	1.294	50	3622	2.050	ug/L	89
5) Vinyl chloride	1.374	62	3680	2.050	ug/L #	56
6) Bromomethane	1.605	94	2690	2.412	ug/L	100
8) Chloroethane	1.685	64	2526	2.220	ug/L	91
9) Trichlorofluoromethane	1.886	101	6350	2.110	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	4602	2.617	ug/L #	87
12) 1,1-Dichloroethene	2.313	96	4122	2.710	ug/L #	1
13) Acetone	2.386	43	6525	4.934	ug/L	96
14) Carbon disulfide	2.514	76	5502	1.799	ug/L #	92
15) Methyl Acetate	2.709	43	5255	2.384	ug/L	98
16) Methylene chloride	2.794	84	5243	2.769	ug/L	97
17) trans-1,2-Dichloroethene	3.099	96	3350	2.080	ug/L #	77
18) Methyl tert-butyl Ether	3.117	73	12612	2.113	ug/L	96
19) 1,1-Dichloroethane	3.611	63	6499	1.980	ug/L	96
20) cis-1,2-Dichloroethene	4.501	96	4265	2.192	ug/L	94
22) 2-Butanone	4.574	43	8182	4.540	ug/L #	69
23) Bromochloromethane	4.916	128	2136m	2.077	ug/L	
25) Chloroform	5.099	83	12351	3.484	ug/L	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	6379m	2.231	ug/L	
29) Cyclohexane	5.483	56	4976	1.846	ug/L #	22
30) 1,1,1-Trichloroethane	5.397	97	5790	1.913	ug/L #	90
31) Carbon tetrachloride	5.678	117	4592	1.807	ug/L	95
33) Benzene	6.044	78	15308	2.092	ug/L	100
34) Trichloroethene	7.129	95	4147	2.119	ug/L	87
35) Methylcyclohexane	7.379	83	5227	1.859	ug/L	94
37) 1,2-Dichloropropane	7.440	63	4131	2.058	ug/L	98
38) Bromodichloromethane	7.830	83	4659	1.861	ug/L	91
39) cis-1,3-Dichloropropene	8.372	75	5762	1.961	ug/L	92
40) 4-Methyl-2-pentanone	8.580	43	13903	4.298	ug/L	92
42) Toluene	8.720	91	21141	2.606	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	5999m	2.027	ug/L	
45) 1,1,2-Trichloroethane	9.159	97	4414	2.164	ug/L	93
46) Tetrachloroethene	9.275	164	3143	2.116	ug/L	97
48) 2-Hexanone	9.433	43	13156	5.036	ug/L #	81
49) Dibromochloromethane	9.525	129	3790	1.842	ug/L	99
50) 1,2-Dibromoethane	9.616	107	4332	2.075	ug/L #	99
51) Chlorobenzene	10.086	112	10899	2.022	ug/L	92
52) Ethylbenzene	10.195	91	17622	1.984	ug/L	95
53) m,p-Xylene	10.305	106	6339	1.872	ug/L	97
54) o-Xylene	10.646	106	6351	1.883	ug/L	81
55) Styrene	10.659	104	9700	1.707	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.213	83	7440	2.400	ug/L #	97
59) Bromoform	10.805	173	2427	1.847	ug/L	98
60) Isopropylbenzene	10.963	105	15694	1.887	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	5847	2.372	ug/L	95
62) 1,3,5-Trimethylbenzene	11.457	105	12379	1.840	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	13418	1.961	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	7206	1.984	ug/L	93
65) 1,4-Dichlorobenzene	12.043	146	7653	2.116	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	7764	2.177	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.945	75	1030	1.795	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.116	180	4804	1.916	ug/L	93
70) 1,2,4-trichlorobenzene	13.591	180	3929	1.819	ug/L #	91
71) Naphthalene	13.780	128	12257	1.637	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	3872	1.740	ug/L	98

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

