

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112024\
 Data File : VX043910.D
 Acq On : 20 Nov 2024 12:11
 Operator : JC/MD
 Sample : P4776-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Nov 21 00:57:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 00:38:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/21/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	323521	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	283061	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	108061	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	111275	43.112	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.220%		
7) Chloroethane-d5	1.648	69	56279	51.705	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.420%		
11) 1,1-Dichloroethene-d2	2.294	65	45891	44.239	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.480%		
21) 2-Butanone-d5	4.458	46	152050	98.031	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.030%		
24) Chloroform-d	5.050	84	210813	44.078	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.160%		
26) 1,2-Dichloroethane-d4	5.946	65	141919	44.699	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.400%		
32) Benzene-d6	5.964	84	424791	45.507	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.020%		
36) 1,2-Dichloropropane-d6	7.299	67	133851	47.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.880%		
41) Toluene-d8	8.647	98	381368	46.574	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.140%		
43) trans-1,3-Dichloroprop...	8.952	79	58608	45.906	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.820%		
47) 2-Hexanone-d5	9.384	63	104540	99.248	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.250%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	159453	44.826	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.660%		
66) 1,2-Dichlorobenzene-d4	12.317	152	107391	46.819	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6328	2.384	ug/L	97
3) Chloromethane	1.294	50	6653	2.451	ug/L #	81
5) Vinyl chloride	1.374	62	6963	2.523	ug/L #	77
6) Bromomethane	1.593	94	2596	2.259	ug/L	97
8) Chloroethane	1.666	64	3355	2.731	ug/L	94
9) Trichlorofluoromethane	1.867	101	8768	2.374	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	6756	3.069	ug/L #	83
12) 1,1-Dichloroethene	2.306	96	6029	3.008	ug/L #	1
13) Acetone	2.386	43	7696	5.644	ug/L	99
14) Carbon disulfide	2.495	76	8312	1.951	ug/L	96
15) Methyl Acetate	2.697	43	6122	2.400	ug/L	93
16) Methylene chloride	2.782	84	5857	2.492	ug/L	89
17) trans-1,2-Dichloroethene	3.081	96	4759	2.217	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	18750	2.360	ug/L	99
19) 1,1-Dichloroethane	3.605	63	9771	2.285	ug/L #	94
20) cis-1,2-Dichloroethene	4.483	96	6199	2.375	ug/L	91
22) 2-Butanone	4.580	43	9146m	5.033	ug/L	
23) Bromochloromethane	4.904	128	3124	2.326	ug/L	89
27) 1,2-Dichloroethane	6.080	62	8521	2.313	ug/L	98

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29) Cyclohexane	5.464	56	8606m	2.337	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	8853	2.267	ug/L #	80
31) Carbon tetrachloride	5.659	117	7121	2.248	ug/L	92
33) Benzene	6.037	78	23632	2.497	ug/L	100
35) Methylcyclohexane	7.373	83	9525	2.683	ug/L	92
37) 1,2-Dichloropropane	7.427	63	6203	2.526	ug/L	98
38) Bromodichloromethane	7.824	83	6554	2.128	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	8406	2.172	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	14097	4.193	ug/L	98
42) Toluene	8.714	91	23128	2.425	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	8301	2.386	ug/L	95
45) 1,1,2-Trichloroethane	9.147	97	5863	2.428	ug/L	84
46) Tetrachloroethene	9.269	164	4316	2.551	ug/L	88
48) 2-Hexanone	9.433	43	14317m	5.641	ug/L	
49) Dibromochloromethane	9.519	129	4690	2.101	ug/L	92
50) 1,2-Dibromoethane	9.604	107	6266	2.463	ug/L #	80
51) Chlorobenzene	10.079	112	15080	2.550	ug/L	93
52) Ethylbenzene	10.195	91	23760	2.364	ug/L	99
53) m,p-Xylene	10.305	106	9358	2.507	ug/L	93
54) o-Xylene	10.640	106	8132	2.164	ug/L	99
55) Styrene	10.659	104	11890	1.911	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.207	83	9055	2.505	ug/L	99
59) Bromoform	10.799	173	2241	1.851	ug/L #	91
60) Isopropylbenzene	10.963	105	19922	2.339	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	6176	2.508	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	16262	2.417	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	15728	2.345	ug/L	92
64) 1,3-Dichlorobenzene	11.969	146	9098	2.546	ug/L	95
65) 1,4-Dichlorobenzene	12.036	146	10104	2.848	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	8549	2.311	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.939	75	1203	1.952	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.109	180	5082	2.204	ug/L	93
70) 1,2,4-trichlorobenzene	13.591	180	4269	2.008	ug/L #	93
71) Naphthalene	13.780	128	14515	1.836	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5549	2.591	ug/L	97

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

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