

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030587.D
 Acq On : 17 Apr 2023 14:36
 Operator : SY/MD
 Sample : 02215-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2023-03

Quant Time: Apr 18 03:59:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	261498	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	253124	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	127762	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	87646	45.721	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.440%		
7) Chloroethane-d5	1.539	69	70449	43.855	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.700%		
11) 1,1-Dichloroethene-d2	2.066	65	40896	44.985	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.980%		
21) 2-Butanone-d5	3.805	46	99345	94.352	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.350%		
24) Chloroform-d	4.259	84	150477	43.315	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.620%		
26) 1,2-Dichloroethane-d4	4.953	65	103583	46.377	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.760%		
32) Benzene-d6	4.969	84	286973	47.952	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.900%		
36) 1,2-Dichloropropane-d6	5.998	67	90215	48.530	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.060%		
41) Toluene-d8	7.252	98	254288	45.256	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.520%		
43) trans-1,3-Dichloroprop...	7.561	79	43699	46.640	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.280%		
47) 2-Hexanone-d5	8.034	63	64297	87.799	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.800%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	116986	43.369	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.740%		
66) 1,2-Dichlorobenzene-d4	11.570	152	100935	49.704	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	4644	2.066	ug/L	100
3) Chloromethane	1.217	50	8141	2.760	ug/L	95
5) Vinyl chloride	1.288	62	5415	2.277	ug/L #	78
6) Bromomethane	1.494	94	2747	2.914	ug/L	97
8) Chloroethane	1.555	64	3688	2.261	ug/L	99
9) Trichlorofluoromethane	1.719	101	7716	2.002	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	5511	2.721	ug/L #	82
12) 1,1-Dichloroethene	2.076	96	5417m	2.958	ug/L	
13) Acetone	2.133	43	6944m	4.262	ug/L	
14) Carbon disulfide	2.249	76	11795	2.281	ug/L	97
15) Methyl Acetate	2.387	43	5252	2.416	ug/L	96
16) Methylene chloride	2.455	84	7361	3.513	ug/L	95
17) trans-1,2-Dichloroethene	2.706	96	3843	2.079	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	11124	1.879	ug/L #	90
19) 1,1-Dichloroethane	3.121	63	8211	2.179	ug/L	95
20) cis-1,2-Dichloroethene	3.831	96	4741m	2.358	ug/L	
22) 2-Butanone	3.912	43	7524m	4.469	ug/L	
23) Bromochloromethane	4.166	128	2267	2.019	ug/L #	86
25) Chloroform	4.288	83	8204	2.103	ug/L	90

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27) 1,2-Dichloroethane	5.066	62	8002m	2.423	ug/L	
29) Cyclohexane	4.593	56	6640	2.186	ug/L	85
30) 1,1,1-Trichloroethane	4.532	97	7630	2.145	ug/L #	90
31) Carbon tetrachloride	4.748	117	6441m	2.025	ug/L	
33) Benzene	5.024	78	17495m	2.276	ug/L	
34) Trichloroethene	5.847	95	4752	2.377	ug/L	92
35) Methylcyclohexane	6.063	83	6881	2.196	ug/L	94
37) 1,2-Dichloropropane	6.108	63	4915	2.376	ug/L	99
38) Bromodichloromethane	6.448	83	6144	2.114	ug/L	99
39) cis-1,3-Dichloropropene	6.969	75	6967	2.244	ug/L	98
40) 4-Methyl-2-pentanone	7.175	43	10234	3.541	ug/L	96
42) Toluene	7.329	91	16657	2.023	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	7236m	2.372	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	4448	2.144	ug/L	98
46) Tetrachloroethene	7.915	164	3924	2.242	ug/L	96
48) 2-Hexanone	8.095	43	14903m	6.250	ug/L	
49) Dibromochloromethane	8.185	129	4742	2.072	ug/L	85
50) 1,2-Dibromoethane	8.294	107	4366	2.031	ug/L #	96
51) Chlorobenzene	8.825	112	11414	2.093	ug/L	96
52) Ethylbenzene	8.956	91	17555	1.926	ug/L	99
53) m,p-Xylene	9.085	106	6607	1.919	ug/L	99
54) o-Xylene	9.487	106	5902	1.752	ug/L	95
55) Styrene	9.509	104	9921	1.677	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.188	83	7030	2.064	ug/L	92
59) Bromoform	9.677	173	3880	2.426	ug/L #	94
60) Isopropylbenzene	9.876	105	15618	1.960	ug/L	96
61) 1,2,3-Trichloropropane	10.220	75	5694	2.488	ug/L #	94
62) 1,3,5-Trimethylbenzene	10.484	105	12295	1.874	ug/L	99
63) 1,2,4-Trimethylbenzene	10.863	105	12924	1.973	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	8668	2.173	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	9277	2.205	ug/L	90
67) 1,2-Dichlorobenzene	11.586	146	9375	2.330	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.377	75	1834	2.705	ug/L	97
69) 1,3,5-Trichlorobenzene	12.593	180	6560	2.177	ug/L	98
70) 1,2,4-trichlorobenzene	13.210	180	5553	2.170	ug/L	99
71) Naphthalene	13.451	128	14383	2.055	ug/L #	96
72) 1,2,3-Trichlorobenzene	13.692	180	5410	2.132	ug/L	98

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

