

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120822\
 Data File : VW029465.D
 Acq On : 08 Dec 2022 12:18
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/09/2022
 Supervised By :Mahesh Dadoda 12/09/2022

Quant Time: Dec 09 01:59:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	536988	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	492917	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	253871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	115027	34.981	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	69.960%		
7) Chloroethane-d5	1.561	69	102202	40.760	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.520%		
11) 1,1-Dichloroethene-d2	2.105	63	159051	31.011	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.020%		
21) 2-Butanone-d5	3.867	46	208724	104.053	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.050%		
24) Chloroform-d	4.339	84	263487	42.581	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.160%		
26) 1,2-Dichloroethane-d4	5.024	65	162530	45.988	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.980%		
32) Benzene-d6	5.043	84	558640	42.891	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.780%		
36) 1,2-Dichloropropane-d6	6.063	67	175896	44.213	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.420%		
41) Toluene-d8	7.307	98	513077	41.809	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.620%		
43) trans-1,3-Dichloroprop...	7.612	79	85299	42.460	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.920%		
47) 2-Hexanone-d5	8.082	63	171327	100.848	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.850%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	263866	46.414	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.820%		
66) 1,2-Dichlorobenzene-d4	11.612	152	213181	44.112	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	9280	2.194	ug/L	99
3) Chloromethane	1.240	50	11017	2.284	ug/L	98
5) Vinyl chloride	1.307	62	9086	2.252	ug/L #	74
6) Bromomethane	1.516	94	4823	2.971	ug/L	89
8) Chloroethane	1.581	64	5885	2.619	ug/L	98
9) Trichlorofluoromethane	1.751	101	11382	2.253	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	8258	2.942	ug/L #	84
12) 1,1-Dichloroethene	2.114	96	7823	2.725	ug/L #	1
13) Acetone	2.156	43	9930	7.599	ug/L	95
14) Carbon disulfide	2.291	76	21769	2.279	ug/L	98
15) Methyl Acetate	2.433	43	7353	2.470	ug/L	96
16) Methylene chloride	2.503	84	9865	2.764	ug/L	92
17) trans-1,2-Dichloroethene	2.761	96	8018	2.424	ug/L	94
18) Methyl tert-butyl Ether	2.764	73	23569	2.326	ug/L #	87
19) 1,1-Dichloroethane	3.185	63	13399	2.365	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	8399	2.309	ug/L	93
22) 2-Butanone	3.979	43	13743m	6.609	ug/L	
23) Bromochloromethane	4.253	128	4034	2.154	ug/L #	93
25) Chloroform	4.368	83	15347	2.613	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	9501	2.290	ug/L	98
29) Cyclohexane	4.670	56	12570	2.354	ug/L	96
30) 1,1,1-Trichloroethane	4.603	97	12946	2.411	ug/L	94
31) Carbon tetrachloride	4.822	117	10716	2.285	ug/L	90
33) Benzene	5.098	78	32384	2.331	ug/L	100
34) Trichloroethene	5.912	95	8146	2.340	ug/L	96
35) Methylcyclohexane	6.124	83	13610	2.302	ug/L	97
37) 1,2-Dichloropropane	6.172	63	7952	2.371	ug/L #	96
38) Bromodichloromethane	6.506	83	10384	2.243	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	13057	2.367	ug/L	97
40) 4-Methyl-2-pentanone	7.227	43	18952	4.740	ug/L	98
42) Toluene	7.384	91	34105	2.281	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	15206	2.911	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	7807	2.253	ug/L	96
46) Tetrachloroethene	7.969	164	6516	2.328	ug/L	96
48) 2-Hexanone	8.140	43	19381	6.345	ug/L	96
49) Dibromochloromethane	8.239	129	8386	2.192	ug/L	97
50) 1,2-Dibromoethane	8.346	107	8342	2.337	ug/L	96
51) Chlorobenzene	8.873	112	23041	2.433	ug/L	98
52) Ethylbenzene	9.008	91	36129	2.298	ug/L	98
53) m,p-Xylene	9.130	106	13655	2.194	ug/L	97
54) o-Xylene	9.535	106	13190	2.143	ug/L	97
55) Styrene	9.555	104	22385	2.093	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	13610	2.456	ug/L #	96
59) Bromoform	9.725	173	6135	2.188	ug/L	98
60) Isopropylbenzene	9.921	105	34370	2.306	ug/L	97
61) 1,2,3-Trichloropropane	10.265	75	10304	2.629	ug/L	95
62) 1,3,5-Trimethylbenzene	10.529	105	28593	2.170	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	28376	2.172	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	17090	2.345	ug/L	98
65) 1,4-Dichlorobenzene	11.262	146	18590	2.510	ug/L	94
67) 1,2-Dichlorobenzene	11.632	146	18132	2.433	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.416	75	2895	2.377	ug/L	88
69) 1,3,5-Trichlorobenzene	12.635	180	13478	2.324	ug/L	98
70) 1,2,4-trichlorobenzene	13.249	180	11471	2.224	ug/L	98
71) Naphthalene	13.496	128	18302	1.564	ug/L	98
72) 1,2,3-Trichlorobenzene	13.731	180	11404	2.258	ug/L	98

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

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