

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120722\
 Data File : VW029423.D
 Acq On : 07 Dec 2022 17:33
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/08/2022
 Supervised By :Mahesh Dadoda 12/08/2022

Quant Time: Dec 08 01:34:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 00:46:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	490473	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	450757	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	231936	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	130285	43.378	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.760%		
7) Chloroethane-d5	1.561	69	101010	44.105	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.200%		
11) 1,1-Dichloroethene-d2	2.105	63	158807	33.900	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.800%		
21) 2-Butanone-d5	3.870	46	201115	109.768	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.770%		
24) Chloroform-d	4.339	84	252186	44.619	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.240%		
26) 1,2-Dichloroethane-d4	5.024	65	154462	47.851	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.700%		
32) Benzene-d6	5.043	84	543180	45.605	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.200%		
36) 1,2-Dichloropropane-d6	6.063	67	172275	47.353	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.700%		
41) Toluene-d8	7.310	98	503529	44.868	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.740%		
43) trans-1,3-Dichloroprop...	7.612	79	82812	45.077	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.160%		
47) 2-Hexanone-d5	8.082	63	167440	107.778	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.780%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	249675	48.025	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.060%		
66) 1,2-Dichlorobenzene-d4	11.612	152	208870	47.307	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.620%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	8376	2.168	ug/L	99
3) Chloromethane	1.240	50	9668	2.195	ug/L	97
5) Vinyl chloride	1.310	62	7884	2.139	ug/L #	68
6) Bromomethane	1.516	94	4162	2.807	ug/L	88
8) Chloroethane	1.581	64	4562	2.223	ug/L	91
9) Trichlorofluoromethane	1.751	101	9707	2.104	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	6866	2.678	ug/L #	83
12) 1,1-Dichloroethene	2.114	96	6278	2.395	ug/L #	1
13) Acetone	2.159	43	5714	4.787	ug/L	92
14) Carbon disulfide	2.291	76	18933	2.170	ug/L	100
15) Methyl Acetate	2.429	43	6291	2.313	ug/L	96
16) Methylene chloride	2.503	84	8831	2.709	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	6589	2.181	ug/L	92
18) Methyl tert-butyl Ether	2.767	73	20012	2.162	ug/L	98
19) 1,1-Dichloroethane	3.185	63	10873	2.101	ug/L	94
20) cis-1,2-Dichloroethene	3.902	96	6908	2.080	ug/L	86
22) 2-Butanone	3.986	43	9745m	5.131	ug/L	
23) Bromochloromethane	4.252	128	3417	1.998	ug/L	91
25) Chloroform	4.371	83	12413	2.314	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	8994	2.373	ug/L	95
29) Cyclohexane	4.674	56	9921	2.032	ug/L	95
30) 1,1,1-Trichloroethane	4.606	97	10350	2.108	ug/L	97
31) Carbon tetrachloride	4.822	117	8969	2.091	ug/L	96
33) Benzene	5.098	78	26404	2.078	ug/L	100
34) Trichloroethene	5.912	95	6899	2.167	ug/L	96
35) Methylcyclohexane	6.124	83	11683	2.161	ug/L	97
37) 1,2-Dichloropropane	6.175	63	6895	2.248	ug/L	97
38) Bromodichloromethane	6.506	83	9086	2.146	ug/L #	96
39) cis-1,3-Dichloropropene	7.027	75	11025m	2.186	ug/L	
40) 4-Methyl-2-pentanone	7.227	43	16713	4.571	ug/L	99
42) Toluene	7.384	91	29612	2.165	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	10507m	2.200	ug/L	
45) 1,1,2-Trichloroethane	7.834	97	6603	2.084	ug/L	88
46) Tetrachloroethene	7.969	164	5656	2.210	ug/L	92
48) 2-Hexanone	8.140	43	16473m	5.897	ug/L	
49) Dibromochloromethane	8.239	129	7053	2.016	ug/L	94
50) 1,2-Dibromoethane	8.349	107	7242	2.219	ug/L	100
51) Chlorobenzene	8.876	112	19156	2.212	ug/L	98
52) Ethylbenzene	9.008	91	30671	2.133	ug/L	98
53) m,p-Xylene	9.133	106	11446	2.011	ug/L	92
54) o-Xylene	9.535	106	11293	2.006	ug/L	99
55) Styrene	9.558	104	18914	1.934	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.233	83	11622	2.293	ug/L	97
59) Bromoform	9.725	173	5701	2.225	ug/L	98
60) Isopropylbenzene	9.924	105	29922	2.197	ug/L	98
61) 1,2,3-Trichloropropane	10.265	75	9312	2.601	ug/L	96
62) 1,3,5-Trimethylbenzene	10.529	105	25808	2.143	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	24893	2.086	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	14482	2.175	ug/L	98
65) 1,4-Dichlorobenzene	11.262	146	15582	2.303	ug/L	95
67) 1,2-Dichlorobenzene	11.632	146	16172	2.375	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.416	75	3063	2.753	ug/L	93
69) 1,3,5-Trichlorobenzene	12.635	180	11045	2.084	ug/L	96
70) 1,2,4-trichlorobenzene	13.249	180	10280	2.182	ug/L	98
71) Naphthalene	13.496	128	24625m	2.304	ug/L	
72) 1,2,3-Trichlorobenzene	13.731	180	10537	2.283	ug/L	97

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

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