

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120722\
 Data File : VW029424.D
 Acq On : 07 Dec 2022 17:56
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 01:35:07 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	512381	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	458543	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	237276	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	137427	43.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.600%
7) Chloroethane-d5	1.561	69	107191	44.803	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.105	63	167249	34.176	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.360%
21) 2-Butanone-d5	3.867	46	203253	106.191	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.190%
24) Chloroform-d	4.339	84	262325	44.429	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.860%
26) 1,2-Dichloroethane-d4	5.024	65	160381	47.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.120%
32) Benzene-d6	5.043	84	575847	47.527	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.060%
36) 1,2-Dichloropropane-d6	6.063	67	178942	48.350	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.700%
41) Toluene-d8	7.307	98	534027	46.778	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.560%
43) trans-1,3-Dichloroprop...	7.612	79	85946	45.989	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.980%
47) 2-Hexanone-d5	8.082	63	168180	106.416	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.420%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	252171	47.682	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.360%
66) 1,2-Dichlorobenzene-d4	11.612	152	214401	47.467	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	8718	2.160	ug/L	97
3) Chloromethane	1.240	50	10882	2.365	ug/L	92
5) Vinyl chloride	1.307	62	8784	2.282	ug/L #	63
6) Bromomethane	1.516	94	4078	2.632	ug/L	95
8) Chloroethane	1.581	64	4913	2.292	ug/L	97
9) Trichlorofluoromethane	1.751	101	9916	2.057	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	7799	2.912	ug/L #	76
12) 1,1-Dichloroethene	2.114	96	6962	2.542	ug/L #	1
13) Acetone	2.156	43	5784	4.639	ug/L	98
14) Carbon disulfide	2.291	76	19121	2.098	ug/L	98
15) Methyl Acetate	2.429	43	6277	2.210	ug/L	96
16) Methylene chloride	2.503	84	9911	2.910	ug/L	100
17) trans-1,2-Dichloroethene	2.757	96	6285	1.992	ug/L	92
18) Methyl tert-butyl Ether	2.764	73	20255	2.095	ug/L	99
19) 1,1-Dichloroethane	3.188	63	11319	2.094	ug/L	97
20) cis-1,2-Dichloroethene	3.905	96	7311	2.107	ug/L	99
22) 2-Butanone	3.992	43	9163m	4.618	ug/L	
23) Bromochloromethane	4.249	128	3790m	2.121	ug/L	
25) Chloroform	4.371	83	13010	2.321	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	9167m	2.315	ug/L	
29) Cyclohexane	4.670	56	10521	2.118	ug/L	93
30) 1,1,1-Trichloroethane	4.600	97	10628	2.127	ug/L	98
31) Carbon tetrachloride	4.822	117	9628	2.207	ug/L	98
33) Benzene	5.095	78	27707	2.144	ug/L	100
34) Trichloroethene	5.912	95	6718	2.074	ug/L	93
35) Methylcyclohexane	6.127	83	12089	2.198	ug/L	97
37) 1,2-Dichloropropane	6.169	63	6872	2.203	ug/L	99
38) Bromodichloromethane	6.506	83	9194	2.135	ug/L #	87
39) cis-1,3-Dichloropropene	7.024	75	11544m	2.250	ug/L	
40) 4-Methyl-2-pentanone	7.227	43	16227	4.363	ug/L	98
42) Toluene	7.384	91	29750	2.138	ug/L	97
44) trans-1,3-Dichloropropene	7.645	75	10480m	2.157	ug/L	
45) 1,1,2-Trichloroethane	7.834	97	6914	2.145	ug/L	94
46) Tetrachloroethene	7.969	164	5462	2.098	ug/L	92
48) 2-Hexanone	8.140	43	16595m	5.840	ug/L	
49) Dibromochloromethane	8.243	129	7227	2.031	ug/L	94
50) 1,2-Dibromoethane	8.349	107	7353	2.215	ug/L #	98
51) Chlorobenzene	8.876	112	19426	2.205	ug/L	96
52) Ethylbenzene	9.005	91	30297	2.071	ug/L	98
53) m,p-Xylene	9.133	106	12098	2.090	ug/L	93
54) o-Xylene	9.535	106	11767	2.055	ug/L	91
55) Styrene	9.554	104	19440	1.954	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	11713	2.272	ug/L #	98
59) Bromoform	9.725	173	5452	2.080	ug/L	99
60) Isopropylbenzene	9.924	105	30344	2.178	ug/L	98
61) 1,2,3-Trichloropropane	10.265	75	8716	2.380	ug/L	93
62) 1,3,5-Trimethylbenzene	10.529	105	26291	2.134	ug/L	98
63) 1,2,4-Trimethylbenzene	10.905	105	25728	2.107	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	14939	2.193	ug/L	96
65) 1,4-Dichlorobenzene	11.262	146	14808	2.139	ug/L	94
67) 1,2-Dichlorobenzene	11.632	146	15815	2.271	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.416	75	2906	2.553	ug/L	89
69) 1,3,5-Trichlorobenzene	12.635	180	11442	2.111	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	10679	2.215	ug/L	96
71) Naphthalene	13.496	128	25099m	2.296	ug/L	
72) 1,2,3-Trichlorobenzene	13.734	180	10215	2.164	ug/L	99

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

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