

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031681.D
 Acq On : 11 Jul 2023 16:06
 Operator : SY/MD
 Sample : 03573-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 12 08:11:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	272369	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	283932	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	134254	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	127224	51.607	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.220%	
7) Chloroethane-d5	1.532	69	108444	60.788	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 121.580%	
11) 1,1-Dichloroethene-d2	2.060	65	63781	58.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 116.160%	
21) 2-Butanone-d5	3.793	46	169164	107.378	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 107.380%	
24) Chloroform-d	4.256	84	258674	52.577	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.160%	
26) 1,2-Dichloroethane-d4	4.950	65	164397	53.141	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.280%	
32) Benzene-d6	4.966	84	438368	51.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.980%	
36) 1,2-Dichloropropane-d6	5.995	67	159646	58.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 116.000%	
41) Toluene-d8	7.249	98	372833	48.710	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.420%	
43) trans-1,3-Dichloroprop...	7.558	79	68194	49.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.240%	
47) 2-Hexanone-d5	8.031	63	103156	97.777	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 97.780%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	213360	51.179	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.360%	
66) 1,2-Dichlorobenzene-d4	11.567	152	144425	58.650	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 117.300%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	7300	2.156	ug/L	97
3) Chloromethane	1.217	50	8570	2.447	ug/L	100
5) Vinyl chloride	1.285	62	8049	2.454	ug/L #	69
6) Bromomethane	1.487	94	5105	2.724	ug/L	89
8) Chloroethane	1.552	64	5147	2.845	ug/L	99
9) Trichlorofluoromethane	1.716	101	11301	2.404	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8587	3.173	ug/L #	82
12) 1,1-Dichloroethene	2.073	96	7336	3.119	ug/L #	1
13) Acetone	2.118	43	7306	5.367	ug/L	98
14) Carbon disulfide	2.246	76	17610	2.274	ug/L	98
15) Methyl Acetate	2.384	43	7227m	2.519	ug/L	
16) Methylene chloride	2.452	84	7339	2.640	ug/L	94
17) trans-1,2-Dichloroethene	2.703	96	4909	2.044	ug/L	85
18) Methyl tert-butyl Ether	2.709	73	13860	1.896	ug/L	98
19) 1,1-Dichloroethane	3.121	63	10716	2.182	ug/L	92
20) cis-1,2-Dichloroethene	3.825	96	5355	2.173	ug/L	94
22) 2-Butanone	3.912	43	8946m	4.743	ug/L	
23) Bromochloromethane	4.162	128	2553m	1.906	ug/L	
25) Chloroform	4.285	83	13939	2.767	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.060	62	9227	2.466	ug/L	97
29) Cyclohexane	4.590	56	6472	1.739	ug/L	91
30) 1,1,1-Trichloroethane	4.523	97	10630	2.396	ug/L #	89
31) Carbon tetrachloride	4.748	117	8459	2.151	ug/L	98
33) Benzene	5.018	78	22362m	2.309	ug/L	
34) Trichloroethene	5.844	95	6452	2.368	ug/L #	79
35) Methylcyclohexane	6.060	83	9011m	2.430	ug/L	
37) 1,2-Dichloropropane	6.105	63	6883m	2.543	ug/L	
38) Bromodichloromethane	6.449	83	8588	2.340	ug/L	98
39) cis-1,3-Dichloropropene	6.969	75	8935m	2.182	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	12226	3.631	ug/L	95
42) Toluene	7.326	91	20724	2.072	ug/L	96
44) trans-1,3-Dichloropropene	7.596	75	8961	2.194	ug/L #	79
45) 1,1,2-Trichloroethane	7.780	97	6185	2.308	ug/L	91
46) Tetrachloroethene	7.915	164	3793	1.831	ug/L	88
49) Dibromochloromethane	8.185	129	5099	1.713	ug/L	82
50) 1,2-Dibromoethane	8.291	107	6283	2.128	ug/L #	94
51) Chlorobenzene	8.821	112	14964	2.258	ug/L	99
52) Ethylbenzene	8.957	91	19103	1.756	ug/L	95
53) m,p-Xylene	9.079	106	6436	1.605	ug/L	90
54) o-Xylene	9.484	106	6182	1.664	ug/L	84
55) Styrene	9.506	104	9533	1.394	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	10428	2.506	ug/L	83
59) Bromoform	9.674	173	3452	2.012	ug/L #	97
60) Isopropylbenzene	9.873	105	14876	1.815	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	7560	2.707	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	12367	1.846	ug/L	93
63) 1,2,4-Trimethylbenzene	10.860	105	11827	1.773	ug/L	93
64) 1,3-Dichlorobenzene	11.127	146	9416	2.211	ug/L	90
65) 1,4-Dichlorobenzene	11.217	146	10651	2.306	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	11716	2.683	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.371	75	2436	2.859	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	7476	2.344	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	6425	2.273	ug/L	99
71) Naphthalene	13.448	128	15544	1.900	ug/L	97
72) 1,2,3-Trichlorobenzene	13.686	180	6562	2.214	ug/L	92

07/12/2023
 Supervised By :Mahesh
 Dadoda

07/12/2023

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

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