

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012524\
 Data File : VW033869.D
 Acq On : 25 Jan 2024 15:37
 Operator : SY/MD
 Sample : 04696-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Jan 26 15:29:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 25 21:12:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	83361	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	80099	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	41300	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	33672	5.216	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 104.400%		
7) Chloroethane-d5	1.532	69	29050	5.137	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 102.800%		
11) 1,1-Dichloroethene-d2	2.060	65	15467	4.968	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 99.400%		
20) 2-Butanone-d5	3.790	46	65140	60.076	ug/L	-0.04
Spiked Amount	50.000	Range 40 - 130	Recovery	= 120.160%		
24) Chloroform-d	4.253	84	59995	5.114	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 102.200%		
26) 1,2-Dichloroethane-d4	4.947	65	31479	5.742	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 114.800%		
32) Benzene-d6	4.963	84	119246	4.962	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 99.200%		
36) 1,2-Dichloropropane-d6	5.992	67	35937	5.350	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 107.000%		
41) Toluene-d8	7.246	98	108760	4.924	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.400%		
43) trans-1,3-Dichloroprop...	7.561	79	10587	4.174	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 83.400%		
46) 2-Hexanone-d5	8.024	63	54330	60.000	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 120.000%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	23475	5.764	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 115.200%		
66) 1,2-Dichlorobenzene-d4	11.561	152	39855	5.306	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 106.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	1739	0.228	ug/L #	88
3) Chloromethane	1.217	50	2654	0.318	ug/L	93
5) Vinyl chloride	1.285	62	2255	0.283	ug/L #	1
6) Bromomethane	1.487	94	951	0.227	ug/L	87
9) Trichlorofluoromethane	1.716	101	2657	0.232	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	1934	0.322	ug/L #	75
12) 1,1-Dichloroethene	2.069	96	1626	0.279	ug/L #	1
13) Acetone	2.114	43	3367	4.093	ug/L #	46
14) Carbon disulfide	2.246	76	5714	0.303	ug/L	100
15) Methyl Acetate	2.384	43	565m	0.290	ug/L	
16) Methylene chloride	2.452	84	1265	0.226	ug/L	98
17) Methyl tert-butyl Ether	2.703	73	2943	0.246	ug/L #	91
18) trans-1,2-Dichloroethene	2.700	96	1326	0.224	ug/L	97
19) 1,1-Dichloroethane	3.114	63	2346	0.215	ug/L #	85
21) 2-Butanone	3.934	43	3344m	3.076	ug/L	
22) cis-1,2-Dichloroethene	3.818	96	2298	0.341	ug/L	93
23) Bromochloromethane	4.166	128	445	0.190	ug/L #	76
27) 1,2-Dichloroethane	5.066	62	1371	0.217	ug/L #	76
29) 1,1,1-Trichloroethane	4.519	97	2054	0.191	ug/L #	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.584	56	2498	0.239	ug/L #	60
31) Carbon tetrachloride	4.741	117	1976	0.210	ug/L	93
33) Benzene	5.021	78	5131	0.214	ug/L	100
34) Trichloroethene	5.844	95	1823	0.262	ug/L	86
35) Methylcyclohexane	6.053	83	2151	0.197	ug/L	87
37) 1,2-Dichloropropane	6.108	63	1293	0.222	ug/L #	87
38) Bromodichloromethane	6.449	83	1477	0.193	ug/L #	86
39) cis-1,3-Dichloropropene	6.982	75	1581	0.179	ug/L	99
40) 4-Methyl-2-pentanone	7.172	43	5857	2.102	ug/L #	89
42) Toluene	7.326	91	5656	0.220	ug/L	94
44) trans-1,3-Dichloropropene	7.603	75	1386	0.204	ug/L	92
45) 1,1,2-Trichloroethane	7.789	97	767	0.213	ug/L #	66
47) Tetrachloroethene	7.915	164	1974	0.349	ug/L	89
48) 2-Hexanone	8.088	43	7257	3.694	ug/L #	84
49) Dibromochloromethane	8.185	129	833	0.195	ug/L	89
50) 1,2-Dibromoethane	8.301	107	725	0.225	ug/L #	78
51) Chlorobenzene	8.822	112	3703	0.228	ug/L	93
52) Ethylbenzene	8.953	91	6650	0.225	ug/L	97
53) m,p-Xylene	9.082	106	2403	0.215	ug/L	85
54) o-Xylene	9.484	106	2102	0.195	ug/L	98
55) Styrene	9.510	104	3004	0.174	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	1138	0.300	ug/L #	93
60) Isopropylbenzene	9.870	105	6848	0.224	ug/L	93
61) 1,2,3-Trichloropropane	10.217	75	645	0.227	ug/L #	79
62) 1,3,5-Trimethylbenzene	10.481	105	5515	0.213	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	5396	0.215	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	3016	0.226	ug/L	94
65) 1,4-Dichlorobenzene	11.214	146	3299	0.250	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	2715	0.237	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.587	180	2269	0.220	ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	1840	0.229	ug/L	96
71) Naphthalene	13.448	128	3010	0.285	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.686	180	1449	0.225	ug/L	89

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

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