

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV012225\
 Data File : VV038499.D
 Acq On : 22 Jan 2025 15:12
 Operator : SY/MD
 Sample : MDL06
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/24/2025
 Supervised By :Semsettin Yesilyurt 01/24/2025

Quant Time: Jan 23 01:39:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 23 01:38:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	210843	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	218198	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	95235	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	55456	3.189	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.800%
7) Chloroethane-d5	1.532	69	51854	3.551	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.000%
11) 1,1-Dichloroethene-d2	2.056	65	27465	3.505	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.200%
20) 2-Butanone-d5	3.857	46	130809m	35.770	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.540%
24) Chloroform-d	4.240	84	121112	3.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
26) 1,2-Dichloroethane-d4	4.937	65	57524	3.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
32) Benzene-d6	4.953	84	221612	3.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
36) 1,2-Dichloropropane-d6	5.982	67	73577	4.028	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.236	98	177182	3.282	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.600%#
43) trans-1,3-Dichloroprop...	7.558	79	21675	3.244	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.800%
46) 2-Hexanone-d5	8.027	63	73215	27.773	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	55.540%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	55601	3.839	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.800%
66) 1,2-Dichlorobenzene-d4	11.554	152	67955	4.216	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	4555	0.193	ug/L	94
5) Vinyl chloride	1.282	62	4627	0.190	ug/L #	81
6) Bromomethane	1.487	94	2922	0.239	ug/L	89
8) Chloroethane	1.548	64	3332m	0.228	ug/L	
9) Trichlorofluoromethane	1.709	101	6126	0.197	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	4614	0.260	ug/L	90
12) 1,1-Dichloroethene	2.066	96	4571	0.261	ug/L #	1
14) Carbon disulfide	2.236	76	11799	0.201	ug/L	100
15) Methyl Acetate	2.404	43	1456m	0.200	ug/L	
16) Methylene chloride	2.449	84	3938	0.203	ug/L	93
17) Methyl tert-butyl Ether	2.709	73	6738	0.183	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	3484	0.194	ug/L	99
19) 1,1-Dichloroethane	3.111	63	6737	0.197	ug/L #	91
21) 2-Butanone	3.947	43	8796m	2.179	ug/L	
22) cis-1,2-Dichloroethene	3.822	96	3154	0.173	ug/L	99
23) Bromochloromethane	4.162	128	1457	0.175	ug/L	85
25) Chloroform	4.275	83	7492	0.222	ug/L	98
27) 1,2-Dichloroethane	5.056	62	4015m	0.213	ug/L	
29) 1,1,1-Trichloroethane	4.513	97	6003	0.207	ug/L #	39

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.574	56	4767	0.180	ug/L	90
31) Carbon tetrachloride	4.735	117	5081	0.198	ug/L	89
33) Benzene	5.018	78	13222m	0.191	ug/L	
34) Trichloroethene	5.847	95	3785m	0.210	ug/L	
35) Methylcyclohexane	6.043	83	4530m	0.165	ug/L	
37) 1,2-Dichloropropane	6.108	63	3852m	0.215	ug/L	
38) Bromodichloromethane	6.436	83	4298	0.185	ug/L #	88
39) cis-1,3-Dichloropropene	6.969	75	4621m	0.187	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	15717m	1.698	ug/L	
42) Toluene	7.323	91	12158	0.168	ug/L	97
44) trans-1,3-Dichloropropene	7.603	75	3821m	0.183	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	2692	0.209	ug/L	81
47) Tetrachloroethene	7.905	164	3062	0.220	ug/L	80
48) 2-Hexanone	8.085	43	34295m	5.116	ug/L	
49) Dibromochloromethane	8.175	129	2631	0.178	ug/L	99
50) 1,2-Dibromoethane	8.291	107	2271	0.190	ug/L #	88
51) Chlorobenzene	8.809	112	8858	0.182	ug/L	95
52) Ethylbenzene	8.950	91	12715	0.164	ug/L	97
53) m,p-Xylene	9.082	106	4482	0.152	ug/L	86
54) o-Xylene	9.481	106	3776	0.135	ug/L	86
55) Styrene	9.513	104	6579m	0.134	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	3143	0.201	ug/L #	85
59) Bromoform	9.664	173	1220	0.184	ug/L #	80
60) Isopropylbenzene	9.866	105	10959	0.171	ug/L	95
61) 1,2,3-Trichloropropane	10.207	75	1798	0.197	ug/L #	76
62) 1,3,5-Trimethylbenzene	10.471	105	7906	0.158	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	7262	0.145	ug/L	94
64) 1,3-Dichlorobenzene	11.120	146	6252	0.197	ug/L	90
65) 1,4-Dichlorobenzene	11.207	146	6896m	0.210	ug/L	
67) 1,2-Dichlorobenzene	11.574	146	6296	0.211	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.381	75	615m	0.325	ug/L	
69) 1,3,5-Trichlorobenzene	12.580	180	4034	0.184	ug/L	96
70) 1,2,4-trichlorobenzene	13.207	180	2467	0.152	ug/L #	96
71) Naphthalene	13.451	128	4193m	0.174	ug/L	
72) 1,2,3-Trichlorobenzene	13.680	180	1972	0.140	ug/L	86

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

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