

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV012125\
 Data File : VV038480.D
 Acq On : 21 Jan 2025 13:54
 Operator : SY/MD
 Sample : MDL05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/22/2025
 Supervised By :Semsettin Yesilyurt 01/22/2025

Quant Time: Jan 22 02:55:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 22 02:52:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	217084	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	240256	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	97743	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	68957	3.852	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.000%
7) Chloroethane-d5	1.532	69	65963	4.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.056	65	31063	3.850	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.000%
20) 2-Butanone-d5	3.815	46	161614m	42.923	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.840%
24) Chloroform-d	4.240	84	145157	4.326	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	4.937	65	67702	4.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	4.953	84	269478	4.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	5.982	67	90397	4.494	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.236	98	211923	3.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
43) trans-1,3-Dichloroprop...	7.558	79	26927	3.660	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.024	63	89851	30.955	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	61.900%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	65484	4.107	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	11.551	152	77967	4.713	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%

Target Compounds

						Qvalue
5) Vinyl chloride	1.281	62	4599	0.183	ug/L #	79
6) Bromomethane	1.487	94	2928	0.233	ug/L	99
8) Chloroethane	1.548	64	5429m	0.360	ug/L	
9) Trichlorofluoromethane	1.712	101	5495	0.172	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	4002	0.219	ug/L #	85
12) 1,1-Dichloroethene	2.066	96	4061	0.226	ug/L #	1
14) Carbon disulfide	2.240	76	11077	0.183	ug/L	99
15) Methyl Acetate	2.397	43	1576m	0.211	ug/L	
16) Methylene chloride	2.445	84	3909	0.196	ug/L	95
17) Methyl tert-butyl Ether	2.703	73	6206	0.164	ug/L #	89
18) trans-1,2-Dichloroethene	2.696	96	2837	0.153	ug/L	91
19) 1,1-Dichloroethane	3.114	63	6624	0.188	ug/L	94
21) 2-Butanone	3.944	43	8507m	2.047	ug/L	
22) cis-1,2-Dichloroethene	3.822	96	3090m	0.164	ug/L	
23) Bromochloromethane	4.159	128	1395m	0.163	ug/L	
25) Chloroform	4.272	83	7897	0.227	ug/L	100
27) 1,2-Dichloroethane	5.066	62	4151m	0.214	ug/L	
29) 1,1,1-Trichloroethane	4.510	97	5074	0.159	ug/L #	61
30) Cyclohexane	4.580	56	4078	0.140	ug/L #	78

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

31) Carbon tetrachloride	4.732	117	4635	0.164	ug/L	89
33) Benzene	5.018	78	13110	0.172	ug/L	100
34) Trichloroethene	5.847	95	3556m	0.179	ug/L	
37) 1,2-Dichloropropane	6.108	63	4534m	0.230	ug/L	
38) Bromodichloromethane	6.439	83	4460m	0.175	ug/L	
39) cis-1,3-Dichloropropene	6.985	75	4142m	0.153	ug/L	
40) 4-Methyl-2-pentanone	7.178	43	16009m	1.570	ug/L	
42) Toluene	7.323	91	11993	0.151	ug/L	88
44) trans-1,3-Dichloropropene	7.593	75	5055m	0.220	ug/L	
45) 1,1,2-Trichloroethane	7.786	97	2401m	0.169	ug/L	
47) Tetrachloroethene	7.908	164	2410	0.157	ug/L	90
48) 2-Hexanone	8.085	43	38538m	5.221	ug/L	
49) Dibromochloromethane	8.172	129	2324	0.142	ug/L	85
50) 1,2-Dibromoethane	8.284	107	2121m	0.161	ug/L	
51) Chlorobenzene	8.812	112	8207	0.153	ug/L	99
52) Ethylbenzene	8.953	91	11972	0.140	ug/L	100
53) m,p-Xylene	9.082	106	3668	0.113	ug/L	92
54) o-Xylene	9.477	106	3833	0.124	ug/L	86
55) Styrene	9.522	104	5738m	0.107	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	2908	0.169	ug/L #	87
59) Bromoform	9.664	173	1109	0.163	ug/L #	96
60) Isopropylbenzene	9.866	105	9868	0.150	ug/L	95
61) 1,2,3-Trichloropropane	10.210	75	1921m	0.205	ug/L	
62) 1,3,5-Trimethylbenzene	10.477	105	7454	0.145	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	6758	0.131	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	5310	0.163	ug/L	94
65) 1,4-Dichlorobenzene	11.204	146	6335m	0.188	ug/L	
67) 1,2-Dichlorobenzene	11.570	146	5840	0.191	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	353m	0.182	ug/L	
69) 1,3,5-Trichlorobenzene	12.586	180	3837	0.171	ug/L #	92
70) 1,2,4-trichlorobenzene	13.204	180	2193	0.131	ug/L	95
71) Naphthalene	13.464	128	4331m	0.175	ug/L	
72) 1,2,3-Trichlorobenzene	13.686	180	2059	0.143	ug/L #	93

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

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