

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060425\
 Data File : VV038746.D
 Acq On : 04 Jun 2025 14:58
 Operator : SY/MD
 Sample : VSTD0.541
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5241

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 08:29:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 13 08:29:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	178206	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	188303	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	83318	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	13842	0.555	ug/L	0.00
7) Chloroethane-d5	1.542	69	8698	0.493	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	6056	0.599	ug/L	0.00
20) 2-Butanone-d5	3.902	46	15911m	4.908	ug/L	0.11
24) Chloroform-d	4.265	84	18215	0.513	ug/L	0.01
26) 1,2-Dichloroethane-d4	4.966	65	7872	0.486	ug/L	0.02
32) Benzene-d6	4.979	84	29161	0.431	ug/L	0.02
36) 1,2-Dichloropropane-d6	6.008	67	9335	0.359	ug/L	0.02
41) Toluene-d8	7.249	98	22777	0.386	ug/L	0.01
43) trans-1,3-Dichloroprop...	7.574	79	2644	0.347	ug/L	0.02
46) 2-Hexanone-d5	8.046	63	7527m	3.071	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.149	84	7428	0.485	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	8064	0.523	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.117	85	12824	0.539	ug/L	100
3) Chloromethane	1.224	50	15525	0.566	ug/L	97
5) Vinyl chloride	1.294	62	13761	0.529	ug/L	99
6) Bromomethane	1.497	94	7595	0.584	ug/L	98
8) Chloroethane	1.558	64	8480	0.538	ug/L	95
9) Trichlorofluoromethane	1.725	101	17988	0.530	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	10091	0.521	ug/L	96
12) 1,1-Dichloroethene	2.082	96	9706	0.533	ug/L	96
13) Acetone	2.137	43	12987	5.239	ug/L	99
14) Carbon disulfide	2.249	76	33455	0.541	ug/L	100
15) Methyl Acetate	2.400	43	3774m	0.571	ug/L	
16) Methylene chloride	2.455	84	12450	0.609	ug/L	89
17) Methyl tert-butyl Ether	2.715	73	15016	0.452	ug/L	92
18) trans-1,2-Dichloroethene	2.712	96	9232	0.508	ug/L	88
19) 1,1-Dichloroethane	3.124	63	18628	0.514	ug/L	100
21) 2-Butanone	3.960	43	18779m	5.189	ug/L	
22) cis-1,2-Dichloroethene	3.838	96	8142	0.445	ug/L	92
23) Bromochloromethane	4.175	128	3793m	0.465	ug/L	
25) Chloroform	4.288	83	18460	0.512	ug/L	98
27) 1,2-Dichloroethane	5.063	62	10386m	0.518	ug/L	
29) 1,1,1-Trichloroethane	4.522	97	15669	0.496	ug/L	98
30) Cyclohexane	4.587	56	11797	0.403	ug/L	95
31) Carbon tetrachloride	4.741	117	13597	0.488	ug/L	96
33) Benzene	5.027	78	30712	0.415	ug/L	100
34) Trichloroethene	5.847	95	8187	0.434	ug/L	95
35) Methylcyclohexane	6.050	83	11911	0.399	ug/L	96
37) 1,2-Dichloropropane	6.108	63	7924m	0.402	ug/L	
38) Bromodichloromethane	6.442	83	12974	0.508	ug/L	96
39) cis-1,3-Dichloropropene	6.966	75	10405	0.402	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	28279	3.166	ug/L	98
42) Toluene	7.323	91	28112	0.374	ug/L	100
44) trans-1,3-Dichloropropene	7.599	75	8815m	0.404	ug/L	

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45) 1,1,2-Trichloroethane	7.776	97	6569	0.474	ug/L	98
47) Tetrachloroethene	7.902	164	6824	0.468	ug/L	89
48) 2-Hexanone	8.088	43	19814m	3.274	ug/L	
49) Dibromochloromethane	8.172	129	6943	0.452	ug/L	90
50) 1,2-Dibromoethane	8.291	107	5498	0.456	ug/L #	88
51) Chlorobenzene	8.812	112	20732	0.426	ug/L	97
52) Ethylbenzene	8.947	91	27028	0.352	ug/L	98
53) m,p-Xylene	9.075	106	9967	0.343	ug/L	96
54) o-Xylene	9.477	106	9552	0.348	ug/L	91
55) Styrene	9.503	104	13899	0.295	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.172	83	7387	0.465	ug/L #	92
59) Bromoform	9.664	173	3445	0.528	ug/L #	97
60) Isopropylbenzene	9.863	105	25297	0.409	ug/L	97
61) 1,2,3-Trichloropropane	10.210	75	4708	0.532	ug/L #	89
62) 1,3,5-Trimethylbenzene	10.471	105	18690	0.394	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	18302	0.385	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	13069	0.439	ug/L	88
65) 1,4-Dichlorobenzene	11.201	146	15054	0.482	ug/L	96
67) 1,2-Dichlorobenzene	11.574	146	12641	0.463	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.368	75	987	0.522	ug/L #	75
69) 1,3,5-Trichlorobenzene	12.580	180	9090	0.471	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	7151	0.471	ug/L	97
71) Naphthalene	13.442	128	9872	0.403	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	6051	0.435	ug/L	93

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

