

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060425\
 Data File : VV038747.D
 Acq On : 04 Jun 2025 15:21
 Operator : SY/MD
 Sample : VSTD00142
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001242

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 08:29:32 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	5.536	114	208935	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	215197	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	102096	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	27795	0.950	ug/L	0.00
7) Chloroethane-d5	1.542	69	22550	1.089	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	11113	0.938	ug/L	0.00
20) 2-Butanone-d5	3.838	46	27407m	7.211	ug/L	0.05
24) Chloroform-d	4.262	84	38036	0.913	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	18582	0.979	ug/L	0.01
32) Benzene-d6	4.970	84	68224	0.881	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	23489	0.791	ug/L	0.00
41) Toluene-d8	7.243	98	54988	0.815	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.568	79	7052	0.811	ug/L	0.02
46) 2-Hexanone-d5	8.031	63	17594	6.281	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.146	84	16777	0.959	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.555	152	16534	0.876	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.118	85	29804	1.068	ug/L	99
3) Chloromethane	1.224	50	35727	1.110	ug/L	99
5) Vinyl chloride	1.295	62	33037	1.083	ug/L	94
6) Bromomethane	1.497	94	16459	1.079	ug/L	89
8) Chloroethane	1.558	64	20446	1.107	ug/L	97
9) Trichlorofluoromethane	1.725	101	43669	1.098	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	24171	1.065	ug/L	95
12) 1,1-Dichloroethene	2.079	96	22971	1.077	ug/L	91
13) Acetone	2.124	43	31186	10.731	ug/L	95
14) Carbon disulfide	2.249	76	76702	1.058	ug/L	99
15) Methyl Acetate	2.401	43	7309	0.944	ug/L	92
16) Methylene chloride	2.455	84	25858	1.078	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	35868	0.921	ug/L	96
18) trans-1,2-Dichloroethene	2.709	96	21358	1.003	ug/L	95
19) 1,1-Dichloroethane	3.124	63	44357	1.043	ug/L	100
21) 2-Butanone	3.918	43	32120m	7.571	ug/L	
22) cis-1,2-Dichloroethene	3.828	96	19929	0.929	ug/L	95
23) Bromochloromethane	4.169	128	10245m	1.071	ug/L	
25) Chloroform	4.288	83	44933	1.062	ug/L	98
27) 1,2-Dichloroethane	5.053	62	22765	0.969	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	37332	1.033	ug/L	98
30) Cyclohexane	4.581	56	28180	0.843	ug/L	100
31) Carbon tetrachloride	4.738	117	34272	1.076	ug/L	100
33) Benzene	5.018	78	84370	0.997	ug/L	100
34) Trichloroethene	5.841	95	21706	1.007	ug/L	93
35) Methylcyclohexane	6.050	83	30397	0.892	ug/L	96
37) 1,2-Dichloropropane	6.101	63	21234	0.944	ug/L #	96
38) Bromodichloromethane	6.436	83	30098	1.032	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	25681m	0.869	ug/L	
40) 4-Methyl-2-pentanone	7.156	43	85202	8.348	ug/L	91
42) Toluene	7.317	91	77448	0.902	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	21904	0.878	ug/L	97

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45) 1,1,2-Trichloroethane	7.770	97	16879	1.065	ug/L	92
47) Tetrachloroethene	7.902	164	16681	1.000	ug/L	96
48) 2-Hexanone	8.076	43	53053	7.670	ug/L #	89
49) Dibromochloromethane	8.175	129	18160	1.034	ug/L	94
50) 1,2-Dibromoethane	8.285	107	13983	1.015	ug/L	86
51) Chlorobenzene	8.812	112	56596	1.017	ug/L	99
52) Ethylbenzene	8.944	91	76562	0.873	ug/L	96
53) m,p-Xylene	9.069	106	26712	0.805	ug/L	93
54) o-Xylene	9.474	106	25990	0.828	ug/L	95
55) Styrene	9.494	104	40951	0.762	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	18702	1.030	ug/L	98
59) Bromoform	9.661	173	8378	1.048	ug/L #	95
60) Isopropylbenzene	9.860	105	67811	0.896	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	11243	1.036	ug/L	95
62) 1,3,5-Trimethylbenzene	10.468	105	51790	0.890	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	49727	0.854	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	36469	0.999	ug/L	93
65) 1,4-Dichlorobenzene	11.201	146	38289	1.000	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	33070	0.988	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.362	75	2571	1.110	ug/L	90
69) 1,3,5-Trichlorobenzene	12.574	180	24054	1.017	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	18371	0.987	ug/L	97
71) Naphthalene	13.432	128	26989	0.899	ug/L	98
72) 1,2,3-Trichlorobenzene	13.673	180	16267	0.954	ug/L	99

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

