

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063597.D
 Acq On : 17 Sep 2025 09:30
 Operator : MD/SY
 Sample : VSTD0.521
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5021

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025

Quant Time: Sep 18 05:57:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 05:57:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	133680	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	126045	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	60008	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	2978	0.433	ug/L	0.00
7) Chloroethane-d5	1.901	69	2943	0.445	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.550	65	1550	0.473	ug/L	0.00
20) 2-Butanone-d5	4.663	46	7376m	3.730	ug/L	0.05
24) Chloroform-d	5.055	84	7376	0.449	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	4145m	0.490	ug/L	0.00
32) Benzene-d6	5.721	84	13269	0.438	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	4196	0.428	ug/L	0.00
41) Toluene-d8	7.894	98	10908	0.402	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	967	0.361	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	4982	3.526	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	3291	0.417	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	4163	0.447	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	5450	0.512	ug/L	100
3) Chloromethane	1.512	50	6274	0.533	ug/L	96
5) Vinyl chloride	1.595	62	6330	0.502	ug/L	89
6) Bromomethane	1.840	94	4091	0.549	ug/L	95
8) Chloroethane	1.920	64	3826	0.492	ug/L	95
9) Trichlorofluoromethane	2.126	101	8022	0.486	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	4743	0.508	ug/L	96
12) 1,1-Dichloroethene	2.566	96	4520	0.523	ug/L	80
13) Acetone	2.627	43	9042	5.205	ug/L	93
14) Carbon disulfide	2.779	76	10887	0.477	ug/L	97
15) Methyl Acetate	2.965	43	2020m	0.513	ug/L	
16) Methylene chloride	3.033	84	5599	0.553	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	10140	0.476	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	4247	0.475	ug/L	90
19) 1,1-Dichloroethane	3.856	63	8931	0.491	ug/L	98
21) 2-Butanone	4.730	43	12026m	5.109	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	4808	0.473	ug/L	98
23) Bromochloromethane	4.968	128	1973	0.438	ug/L #	91
25) Chloroform	5.078	83	9122	0.489	ug/L	91
27) 1,2-Dichloroethane	5.791	62	6075	0.491	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	6983	0.483	ug/L	98
30) Cyclohexane	5.373	56	8332	0.489	ug/L	99
31) Carbon tetrachloride	5.512	117	4991	0.441	ug/L	98
33) Benzene	5.766	78	18220	0.463	ug/L	100
34) Trichloroethene	6.537	95	5385	0.498	ug/L	93
35) Methylcyclohexane	6.750	83	8244	0.500	ug/L	93
37) 1,2-Dichloropropane	6.785	63	5372	0.503	ug/L #	93
38) Bromodichloromethane	7.097	83	5472	0.479	ug/L #	97
39) cis-1,3-Dichloropropene	7.605	75	5005	0.414	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	27287	4.468	ug/L	98
42) Toluene	7.962	91	19743	0.467	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	3740	0.421	ug/L	95

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45) 1,1,2-Trichloroethane	8.393	97	3458	0.473	ug/L	86
47) Tetrachloroethene	8.547	164	4004	0.486	ug/L	95
48) 2-Hexanone	8.685	43	20457m	4.927	ug/L	
49) Dibromochloromethane	8.801	129	2827	0.423	ug/L	94
50) 1,2-Dibromoethane	8.917	107	2857	0.438	ug/L #	99
51) Chlorobenzene	9.441	112	13609	0.497	ug/L	98
52) Ethylbenzene	9.566	91	21760	0.468	ug/L	96
53) m,p-Xylene	9.692	106	7945	0.455	ug/L	97
54) o-Xylene	10.097	106	7411	0.439	ug/L	83
55) Styrene	10.116	104	12014	0.434	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	4089	0.469	ug/L	97
59) Bromoform	10.286	173	1601	0.493	ug/L #	85
60) Isopropylbenzene	10.479	105	21566	0.500	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	2850	0.479	ug/L	93
62) 1,3,5-Trimethylbenzene	11.084	105	16291	0.464	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	14946	0.446	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	9354	0.484	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	10485	0.537	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	9075	0.503	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.000	75	389	0.424	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.219	180	7479	0.517	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	5726	0.512	ug/L	96
71) Naphthalene	14.097	128	8272	0.495	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.325	180	4632	0.483	ug/L	96

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

