

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091825\
 Data File : VU063607.D
 Acq On : 18 Sep 2025 08:38
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

Quant Time: Sep 19 06:33:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 19 06:13:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	155201	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	145322	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74465	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	34809	4.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.898	69	33313	4.343	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.554	65	16755	4.402	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.621	46	107357	46.758	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.520%
24) Chloroform-d	5.049	84	84571	4.436	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.692	65	45002	4.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.714	84	157312	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.679	67	51210	4.534	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.888	98	141070	4.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	8.174	79	13630	4.408	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.624	63	75778	46.521	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.040%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	41525	4.561	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	51164	4.422	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	54874	4.443	ug/L	98
3) Chloromethane	1.512	50	62294	4.556	ug/L	99
5) Vinyl chloride	1.596	62	65096	4.449	ug/L	94
6) Bromomethane	1.840	94	38298	4.430	ug/L	97
8) Chloroethane	1.920	64	40765	4.514	ug/L	94
9) Trichlorofluoromethane	2.126	101	85381	4.459	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	50024	4.619	ug/L	98
12) 1,1-Dichloroethene	2.567	96	45008	4.484	ug/L	88
13) Acetone	2.621	43	97542	48.368	ug/L	99
14) Carbon disulfide	2.779	76	122425	4.616	ug/L	99
15) Methyl Acetate	2.949	43	20646	4.520	ug/L	94
16) Methylene chloride	3.030	84	53276	4.535	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	111734	4.515	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	47000	4.531	ug/L	98
19) 1,1-Dichloroethane	3.853	63	95847	4.536	ug/L	100
21) 2-Butanone	4.698	43	126052	43.085	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	53419	4.528	ug/L	99
23) Bromochloromethane	4.962	128	24241	4.639	ug/L	92
25) Chloroform	5.071	83	97897	4.520	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	64636	4.503	ug/L	98
29) 1,1,1-Trichloroethane	5.300	97	79575	4.778	ug/L	98
30) Cyclohexane	5.374	56	89393	4.550	ug/L	99
31) Carbon tetrachloride	5.512	117	59809	4.587	ug/L	98
33) Benzene	5.763	78	213587	4.703	ug/L	100
34) Trichloroethene	6.531	95	56809	4.561	ug/L	98
35) Methylcyclohexane	6.750	83	86648	4.561	ug/L	99
37) 1,2-Dichloropropane	6.779	63	58602	4.763	ug/L	100
38) Bromodichloromethane	7.094	83	62886	4.779	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	64430	4.618	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	325481	46.223	ug/L	100
42) Toluene	7.959	91	221417	4.546	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	47676	4.651	ug/L	94
45) 1,1,2-Trichloroethane	8.393	97	38843	4.612	ug/L	98
47) Tetrachloroethene	8.544	164	43120	4.535	ug/L	99
48) 2-Hexanone	8.676	43	228452	46.249	ug/L	99
49) Dibromochloromethane	8.798	129	36484	4.738	ug/L	95
50) 1,2-Dibromoethane	8.914	107	34347	4.571	ug/L	99
51) Chlorobenzene	9.438	112	144326	4.575	ug/L	99
52) Ethylbenzene	9.563	91	246527	4.598	ug/L	99
53) m,p-Xylene	9.685	106	93522	4.650	ug/L	95
54) o-Xylene	10.094	106	91279	4.690	ug/L	95
55) Styrene	10.106	104	149653	4.687	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	45325	4.505	ug/L	98
59) Bromoform	10.283	173	19406	4.813	ug/L	98
60) Isopropylbenzene	10.476	105	245023	4.574	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	33158	4.493	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	200635	4.606	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	196691	4.729	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	111150	4.630	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	110698	4.567	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	100888	4.502	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	5779	5.070	ug/L	99
69) 1,3,5-Trichlorobenzene	13.212	180	79888	4.447	ug/L	97
70) 1,2,4-trichlorobenzene	13.833	180	62849	4.533	ug/L	99
71) Naphthalene	14.081	128	85994	4.145	ug/L	97
72) 1,2,3-Trichlorobenzene	14.322	180	52875	4.442	ug/L	99

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

