

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091825\
 Data File : VU063610.D
 Acq On : 18 Sep 2025 14:13
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

Quant Time: Sep 19 06:35:37 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	151825	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	142341	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72524	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	34168	4.378	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.901	69	33538	4.470	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.554	65	17144	4.604	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	4.615	46	111745	49.751	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.500%
24) Chloroform-d	5.049	84	86411	4.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.692	65	45413	4.565	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.714	84	156003	4.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	51993	4.700	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.888	98	143431	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.171	79	15007	4.955	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.624	63	76626	48.027	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.060%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	41778	4.684	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	53441	4.743	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	59201	4.900	ug/L	99
3) Chloromethane	1.515	50	65364	4.887	ug/L	98
5) Vinyl chloride	1.596	62	71969	5.028	ug/L	98
6) Bromomethane	1.840	94	39986	4.728	ug/L	99
8) Chloroethane	1.920	64	43890	4.968	ug/L	99
9) Trichlorofluoromethane	2.126	101	94380	5.039	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	53014	5.004	ug/L	97
12) 1,1-Dichloroethene	2.570	96	49931	5.085	ug/L	87
13) Acetone	2.615	43	119510	60.579	ug/L	98
14) Carbon disulfide	2.779	76	138975	5.356	ug/L	99
15) Methyl Acetate	2.940	43	22559	5.049	ug/L	98
16) Methylene chloride	3.030	84	59328	5.162	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	123008	5.081	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	52268	5.151	ug/L	97
19) 1,1-Dichloroethane	3.853	63	106664	5.161	ug/L	99
21) 2-Butanone	4.692	43	146173	51.074	ug/L	95
22) cis-1,2-Dichloroethene	4.653	96	59406	5.148	ug/L	97
23) Bromochloromethane	4.962	128	26586	5.201	ug/L	96
25) Chloroform	5.075	83	108728	5.132	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	71768	5.111	ug/L	100
29) 1,1,1-Trichloroethane	5.300	97	86743	5.318	ug/L	99
30) Cyclohexane	5.374	56	98463	5.117	ug/L	98
31) Carbon tetrachloride	5.512	117	67074	5.252	ug/L	98
33) Benzene	5.763	78	232274	5.222	ug/L	100
34) Trichloroethene	6.531	95	63252	5.185	ug/L	99
35) Methylcyclohexane	6.750	83	93611	5.031	ug/L	99
37) 1,2-Dichloropropane	6.779	63	63591	5.277	ug/L	100
38) Bromodichloromethane	7.094	83	70151	5.443	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	73273	5.362	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	359574	52.134	ug/L	99
42) Toluene	7.959	91	248202	5.202	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	53901	5.369	ug/L	96
45) 1,1,2-Trichloroethane	8.390	97	44104	5.346	ug/L	96
47) Tetrachloroethene	8.544	164	47014	5.048	ug/L	95
48) 2-Hexanone	8.676	43	257525	53.227	ug/L	98
49) Dibromochloromethane	8.798	129	40602	5.383	ug/L	99
50) 1,2-Dibromoethane	8.914	107	39027	5.303	ug/L	95
51) Chlorobenzene	9.438	112	158088	5.117	ug/L	98
52) Ethylbenzene	9.563	91	272188	5.183	ug/L	99
53) m,p-Xylene	9.685	106	102711	5.214	ug/L	99
54) o-Xylene	10.090	106	101388	5.318	ug/L	97
55) Styrene	10.106	104	163063	5.214	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.772	83	50905	5.165	ug/L	99
59) Bromoform	10.280	173	22290	5.677	ug/L	97
60) Isopropylbenzene	10.476	105	272688	5.227	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	36164	5.031	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	223461	5.267	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	212755	5.252	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	119811	5.125	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	119753	5.073	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	109967	5.039	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	6367	5.736	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	86169	4.925	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	64469	4.774	ug/L	99
71) Naphthalene	14.084	128	86612	4.286	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	54986	4.743	ug/L	96

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

