

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063605.D
 Acq On : 17 Sep 2025 15:06
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 28mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Sep 18 06:27:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 06:17:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	162625	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	150866	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	76085	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	36505	4.366	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.898	69	35483	4.415	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.400%
11) 1,1-Dichloroethene-d2	2.554	65	17138	4.297	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.000%
20) 2-Butanone-d5	4.615	46	112930	46.940	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.880%
24) Chloroform-d	5.049	84	89439	4.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.689	65	47421	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	5.718	84	165326	4.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	52647	4.490	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.888	98	150926	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.174	79	14099	4.392	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.624	63	78290	46.297	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.600%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	43341	4.585	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	54727	4.630	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	60335	4.662	ug/L	99
3) Chloromethane	1.515	50	66362	4.632	ug/L	99
5) Vinyl chloride	1.596	62	72368	4.720	ug/L	96
6) Bromomethane	1.840	94	42422	4.683	ug/L	98
8) Chloroethane	1.920	64	46220	4.885	ug/L	99
9) Trichlorofluoromethane	2.126	101	95482	4.759	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	54065	4.764	ug/L	99
12) 1,1-Dichloroethene	2.567	96	48853	4.644	ug/L	88
13) Acetone	2.618	43	95254	45.077	ug/L	100
14) Carbon disulfide	2.779	76	125349	4.510	ug/L	100
15) Methyl Acetate	2.946	43	21658	4.525	ug/L	100
16) Methylene chloride	3.030	84	69850	5.674	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	123592	4.766	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	53162	4.891	ug/L	96
19) 1,1-Dichloroethane	3.856	63	104558	4.723	ug/L	98
21) 2-Butanone	4.695	43	136991	44.687	ug/L	95
22) cis-1,2-Dichloroethene	4.650	96	59454	4.810	ug/L	97
23) Bromochloromethane	4.962	128	26779	4.891	ug/L	96
25) Chloroform	5.075	83	109347	4.818	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	72348	4.810	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	82617	4.779	ug/L	99
30) Cyclohexane	5.374	56	99215	4.865	ug/L	99
31) Carbon tetrachloride	5.512	117	65459	4.836	ug/L	100
33) Benzene	5.763	78	229752	4.873	ug/L	100
34) Trichloroethene	6.531	95	63328	4.898	ug/L	99
35) Methylcyclohexane	6.750	83	96830	4.909	ug/L	98
37) 1,2-Dichloropropane	6.779	63	62577	4.900	ug/L	100
38) Bromodichloromethane	7.094	83	67578	4.947	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	70440	4.863	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	363798	49.766	ug/L	100
42) Toluene	7.959	91	250249	4.949	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	51747	4.863	ug/L	95
45) 1,1,2-Trichloroethane	8.390	97	43811	5.011	ug/L	95
47) Tetrachloroethene	8.544	164	48253	4.888	ug/L	97
48) 2-Hexanone	8.672	43	251071	48.960	ug/L	99
49) Dibromochloromethane	8.798	129	38823	4.857	ug/L	97
50) 1,2-Dibromoethane	8.914	107	39081	5.010	ug/L	97
51) Chlorobenzene	9.438	112	159201	4.862	ug/L	99
52) Ethylbenzene	9.563	91	275503	4.950	ug/L	99
53) m,p-Xylene	9.685	106	101580	4.865	ug/L	96
54) o-Xylene	10.090	106	101561	5.026	ug/L	98
55) Styrene	10.107	104	164865	4.974	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	50396	4.825	ug/L	95
59) Bromoform	10.280	173	19939	4.840	ug/L	95
60) Isopropylbenzene	10.476	105	271356	4.958	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	37709	5.000	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	224523	5.045	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	215000	5.059	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	121100	4.937	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	124826	5.041	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	112496	4.913	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	6180	5.307	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	87858	4.786	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	82600	5.831	ug/L	100
71) Naphthalene	14.081	128	92045	4.342	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	56727	4.664	ug/L	97

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

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