

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091725\
 Data File : VV039122.D
 Acq On : 17 Sep 2025 11:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

Quant Time: Sep 18 01:33:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 01:32:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	350136	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	341757	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	169093	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	103987	3.766	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.545	69	107709	4.501	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.069	65	53482	4.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	3.796	46	220332	53.719	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.440%
24) Chloroform-d	4.252	84	278553	5.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	4.944	65	122158	5.409	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	4.960	84	472668	5.054	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	5.985	67	146987	5.259	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.236	98	463688	5.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
43) trans-1,3-Dichloroprop...	7.548	79	53944	5.276	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.600%
46) 2-Hexanone-d5	8.014	63	189945	57.387	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.780%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	111989	5.612	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.200%
66) 1,2-Dichlorobenzene-d4	11.548	152	123974	4.555	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	195759	5.332	ug/L	99
3) Chloromethane	1.227	50	194310	5.390	ug/L	96
5) Vinyl chloride	1.294	62	202510	5.282	ug/L	98
6) Bromomethane	1.500	94	115773	5.294	ug/L	100
8) Chloroethane	1.561	64	134329	5.623	ug/L	97
9) Trichlorofluoromethane	1.725	101	293896	5.690	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	176842	5.558	ug/L	98
12) 1,1-Dichloroethene	2.082	96	151435	5.268	ug/L	93
13) Acetone	2.127	43	221278	64.132	ug/L	99
14) Carbon disulfide	2.252	76	535923	5.449	ug/L	99
15) Methyl Acetate	2.391	43	51764	5.975	ug/L	97
16) Methylene chloride	2.455	84	220743	6.822	ug/L	91
17) Methyl tert-butyl Ether	2.709	73	273840	5.540	ug/L	97
18) trans-1,2-Dichloroethene	2.703	96	160804	5.495	ug/L	95
19) 1,1-Dichloroethane	3.117	63	322036	6.000	ug/L	99
21) 2-Butanone	3.876	43	268314	58.626	ug/L	100
22) cis-1,2-Dichloroethene	3.818	96	156361	5.475	ug/L	94
23) Bromochloromethane	4.153	128	74118	5.673	ug/L	92
25) Chloroform	4.278	83	330506	5.943	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	180753	6.335	ug/L	96
29) 1,1,1-Trichloroethane	4.513	97	288893	6.139	ug/L	97
30) Cyclohexane	4.583	56	243794	5.842	ug/L	97
31) Carbon tetrachloride	4.735	117	252216	5.914	ug/L	98
33) Benzene	5.008	78	680451	6.325	ug/L	100
34) Trichloroethene	5.831	95	173676	5.989	ug/L	97
35) Methylcyclohexane	6.046	83	267803	5.902	ug/L	97
37) 1,2-Dichloropropane	6.088	63	183680	6.584	ug/L	100
38) Bromodichloromethane	6.426	83	234860	6.475	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	224967	6.079	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	770671	69.720	ug/L	98
42) Toluene	7.307	91	774599	6.909	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	195156	6.488	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	124665	6.507	ug/L	96
47) Tetrachloroethene	7.895	164	138526	6.111	ug/L	98
48) 2-Hexanone	8.062	43	564742	73.492	ug/L	96
49) Dibromochloromethane	8.165	129	138127	6.159	ug/L	95
50) 1,2-Dibromoethane	8.275	107	107689	6.265	ug/L	95
51) Chlorobenzene	8.805	112	429134	5.930	ug/L	99
52) Ethylbenzene	8.937	91	685663	5.936	ug/L	98
53) m,p-Xylene	9.062	106	265924	5.919	ug/L	96
54) o-Xylene	9.467	106	241483	5.859	ug/L	97
55) Styrene	9.487	104	455388	6.253	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	129696	6.074	ug/L	99
59) Bromoform	9.654	173	63084	5.259	ug/L	99
60) Isopropylbenzene	9.857	105	663004	5.862	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	89528	6.285	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	470806	5.422	ug/L	99
63) 1,2,4-Trimethylbenzene	10.840	105	475907	5.580	ug/L	98
64) 1,3-Dichlorobenzene	11.104	146	314074	5.691	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	318872	5.585	ug/L	98
67) 1,2-Dichlorobenzene	11.567	146	278062	5.686	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.355	75	18276	5.889	ug/L	95
69) 1,3,5-Trichlorobenzene	12.570	180	184140	5.091	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	134764	4.949	ug/L	98
71) Naphthalene	13.426	128	205275	4.947	ug/L	100
72) 1,2,3-Trichlorobenzene	13.667	180	125587	5.173	ug/L	98

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

