

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031325\
 Data File : VU063281.D
 Acq On : 13 Mar 2025 13:55
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

Quant Time: Mar 14 10:26:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 14 10:17:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	203449	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	195237	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	95893	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	67771	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.898	69	65196	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.554	65	31823	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	4.608	46	174604	47.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.42%
24) Chloroform-d	5.049	84	153463	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.689	65	73786	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.714	84	299247	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.679	67	94436	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.888	98	272992	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloroprop...	8.171	79	31764	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.621	63	134081	48.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.70%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	74912	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
66) 1,2-Dichlorobenzene-d4	12.184	152	89411	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	92888	4.97	ug/L 97
3) Chloromethane	1.515	50	102437	4.77	ug/L 98
5) Vinyl chloride	1.599	62	103844	4.95	ug/L 98
6) Bromomethane	1.840	94	57449	4.67	ug/L 99
8) Chloroethane	1.920	64	61837	4.84	ug/L 99
9) Trichlorofluoromethane	2.126	101	122880	5.10	ug/L 100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	76368	5.11	ug/L 99
12) 1,1-Dichloroethene	2.567	96	69560	4.77	ug/L 98
13) Acetone	2.615	43	113994	49.03	ug/L 96
14) Carbon disulfide	2.779	76	242472	5.05	ug/L 99
15) Methyl Acetate	2.940	43	31564	5.07	ug/L 96
16) Methylene chloride	3.030	84	83884	4.68	ug/L 98
17) Methyl tert-butyl Ether	3.351	73	170862	4.61	ug/L 99
18) trans-1,2-Dichloroethene	3.338	96	75054	4.88	ug/L 98
19) 1,1-Dichloroethane	3.853	63	148326	4.84	ug/L 98
21) 2-Butanone	4.689	43	187600	48.31	ug/L 100
22) cis-1,2-Dichloroethene	4.653	96	84965	4.86	ug/L 96
23) Bromochloromethane	4.962	128	36223	4.66	ug/L 94
25) Chloroform	5.075	83	150856	4.84	ug/L 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	95873	4.81	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	122650	4.97	ug/L	100
30) Cyclohexane	5.374	56	135241	5.55	ug/L	99
31) Carbon tetrachloride	5.512	117	107445	5.14	ug/L	98
33) Benzene	5.763	78	336411	4.91	ug/L	100
34) Trichloroethene	6.531	95	86646	5.04	ug/L	97
35) Methylcyclohexane	6.753	83	132193	5.32	ug/L	98
37) 1,2-Dichloropropane	6.779	63	89222	4.90	ug/L	100
38) Bromodichloromethane	7.094	83	108664	5.00	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	124230	4.92	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	459231	48.40	ug/L	100
42) Toluene	7.959	91	366313	5.25	ug/L	97
44) trans-1,3-Dichloropropene	8.200	75	103836	5.00	ug/L	98
45) 1,1,2-Trichloroethane	8.390	97	61450	4.73	ug/L	99
47) Tetrachloroethene	8.544	164	65621	5.27	ug/L	98
48) 2-Hexanone	8.672	43	340457	51.35	ug/L	99
49) Dibromochloromethane	8.798	129	69207	5.01	ug/L	95
50) 1,2-Dibromoethane	8.914	107	58373	4.92	ug/L	99
51) Chlorobenzene	9.438	112	216086	5.00	ug/L	98
52) Ethylbenzene	9.560	91	375755	5.16	ug/L	98
53) m,p-Xylene	9.685	106	142707	5.26	ug/L	99
54) o-Xylene	10.090	106	136302	5.23	ug/L	97
55) Styrene	10.106	104	230215	5.38	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	77815	4.76	ug/L	98
59) Bromoform	10.280	173	40313	4.64	ug/L	97
60) Isopropylbenzene	10.476	105	367050	5.12	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	53080	4.56	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	288652	5.18	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	279284	5.34	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	164849	4.94	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	162845	4.90	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	152695	4.90	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	10912	5.02	ug/L	87
69) 1,3,5-Trichlorobenzene	13.212	180	116389	5.05	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	82308	5.00	ug/L	100
71) Naphthalene	14.081	128	106629	4.84	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	72598	5.13	ug/L	97

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

