

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063036.D
 Acq On : 27 Jan 2025 23:57
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005121

Quant Time: Jan 29 07:33:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 07:27:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	104479	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	95868	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	57181	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	14822	3.946	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.000%
7) Chloroethane-d5	1.904	69	13918	4.881	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.557	65	10531	4.689	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.800%
20) 2-Butanone-d5	4.602	46	50630	46.447	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.900%
24) Chloroform-d	5.049	84	67770	4.542	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.685	65	39979	4.694	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.714	84	98927	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.676	67	25030	4.487	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.885	98	102080	4.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.168	79	15736	4.557	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.618	63	44091	51.172	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.340%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	25848	4.880	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	47897	4.679	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	40189	4.294	ug/L	96
3) Chloromethane	1.515	50	15935	3.540	ug/L	99
5) Vinyl chloride	1.599	62	20251	4.029	ug/L	95
6) Bromomethane	1.850	94	9329	3.880	ug/L	88
8) Chloroethane	1.927	64	12693	5.001	ug/L	95
9) Trichlorofluoromethane	2.129	101	64198	5.052	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	30858	4.935	ug/L	90
12) 1,1-Dichloroethene	2.570	96	26117	4.812	ug/L	90
13) Acetone	2.612	43	34002	48.240	ug/L	96
14) Carbon disulfide	2.782	76	65843	4.735	ug/L	99
15) Methyl Acetate	2.936	43	6812	5.032	ug/L #	87
16) Methylene chloride	3.033	84	26577	4.645	ug/L	95
17) Methyl tert-butyl Ether	3.348	73	79210	4.872	ug/L	96
18) trans-1,2-Dichloroethene	3.341	96	28108	4.839	ug/L	91
19) 1,1-Dichloroethane	3.853	63	45102	4.480	ug/L	88
21) 2-Butanone	4.685	43	45050	46.862	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	32113	4.626	ug/L	91
23) Bromochloromethane	4.962	128	16805	4.824	ug/L #	82
25) Chloroform	5.071	83	66510	4.572	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	46490	4.560	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	71895	4.836	ug/L	97
30) Cyclohexane	5.374	56	31791	4.591	ug/L #	81
31) Carbon tetrachloride	5.512	117	68301	4.772	ug/L	99
33) Benzene	5.759	78	106901	4.603	ug/L	100
34) Trichloroethene	6.531	95	36531	4.629	ug/L	94
35) Methylcyclohexane	6.750	83	44241	4.449	ug/L	93
37) 1,2-Dichloropropane	6.779	63	22738	4.353	ug/L #	95
38) Bromodichloromethane	7.094	83	50149	4.791	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	47163	4.795	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	118311	46.949	ug/L #	95
42) Toluene	7.959	91	130644	4.732	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	43849	4.840	ug/L	97
45) 1,1,2-Trichloroethane	8.386	97	23963	4.874	ug/L	92
47) Tetrachloroethene	8.541	164	34446	5.018	ug/L	93
48) 2-Hexanone	8.669	43	85983	49.192	ug/L #	97
49) Dibromochloromethane	8.798	129	38059	4.961	ug/L	95
50) 1,2-Dibromoethane	8.914	107	25072	5.048	ug/L	98
51) Chlorobenzene	9.434	112	93466	4.883	ug/L	96
52) Ethylbenzene	9.560	91	159395	4.954	ug/L	98
53) m,p-Xylene	9.682	106	61244	4.929	ug/L	97
54) o-Xylene	10.090	106	57496	5.051	ug/L	99
55) Styrene	10.103	104	97519	5.068	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.769	83	26635	4.842	ug/L #	96
59) Bromoform	10.280	173	26006	4.786	ug/L #	97
60) Isopropylbenzene	10.473	105	171538	4.734	ug/L	98
61) 1,2,3-Trichloropropane	10.811	75	20926	4.548	ug/L	96
62) 1,3,5-Trimethylbenzene	11.078	105	147477	4.642	ug/L	98
63) 1,2,4-Trimethylbenzene	11.457	105	147614	4.913	ug/L	98
64) 1,3-Dichlorobenzene	11.737	146	86950	4.727	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	87021	4.716	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	79464	4.591	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.984	75	6176	5.075	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.209	180	69088	4.701	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	56845	4.943	ug/L	99
71) Naphthalene	14.077	128	78883	5.345	ug/L	99
72) 1,2,3-Trichlorobenzene	14.319	180	49676	4.999	ug/L	95

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

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