

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062805.D
 Acq On : 16 Jan 2025 09:06
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

Quant Time: Jan 16 22:00:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 01:55:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	100391	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	91951	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	49066	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	26333	4.736	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.901	69	22415	5.012	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.200%
11) 1,1-Dichloroethene-d2	2.557	65	13618	4.728	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.605	46	59718	52.552	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.100%
24) Chloroform-d	5.049	84	69814	5.103	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.688	65	37609	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	5.714	84	118351	5.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.400%
36) 1,2-Dichloropropane-d6	6.679	67	30989	4.973	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.888	98	113764	5.195	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
43) trans-1,3-Dichloroprop...	8.171	79	17094	5.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.000%
46) 2-Hexanone-d5	8.621	63	50614	51.805	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.600%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	28238	5.410	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	12.183	152	43000	5.268	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	47024	4.917	ug/L	97
3) Chloromethane	1.515	50	28887	4.501	ug/L	99
5) Vinyl chloride	1.599	62	33356	4.616	ug/L	98
6) Bromomethane	1.840	94	22713	4.320	ug/L	96
8) Chloroethane	1.923	64	20313	4.678	ug/L	96
9) Trichlorofluoromethane	2.129	101	72659	4.984	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34926	4.959	ug/L	97
12) 1,1-Dichloroethene	2.570	96	30671	4.922	ug/L	98
13) Acetone	2.611	43	44281	49.190	ug/L	97
14) Carbon disulfide	2.782	76	89135	4.478	ug/L	100
15) Methyl Acetate	2.936	43	10520	5.397	ug/L	99
16) Methylene chloride	3.033	84	33588	4.920	ug/L	96
17) Methyl tert-butyl Ether	3.348	73	88079	5.142	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	32044	4.799	ug/L	98
19) 1,1-Dichloroethane	3.853	63	57751	4.838	ug/L	94
21) 2-Butanone	4.685	43	61195	51.043	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	37622	5.174	ug/L	97
23) Bromochloromethane	4.962	128	17297	5.039	ug/L	98
25) Chloroform	5.074	83	73498	5.003	ug/L	94

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 VSTD005105

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	47890	4.985	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	70278	5.039	ug/L	99
30) Cyclohexane	5.377	56	44755	4.914	ug/L	94
31) Carbon tetrachloride	5.512	117	66657	5.200	ug/L	96
33) Benzene	5.762	78	133928	5.069	ug/L	100
34) Trichloroethene	6.531	95	40265	4.462	ug/L	94
35) Methylcyclohexane	6.753	83	55234	4.974	ug/L	99
37) 1,2-Dichloropropane	6.778	63	30839	4.948	ug/L	98
38) Bromodichloromethane	7.094	83	51804	5.169	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	53990	5.088	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	156286	53.685	ug/L	100
42) Toluene	7.958	91	151657	5.239	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	49325	5.392	ug/L	97
45) 1,1,2-Trichloroethane	8.386	97	26007	5.138	ug/L	89
47) Tetrachloroethene	8.544	164	32311	5.198	ug/L	98
48) 2-Hexanone	8.672	43	108537	51.859	ug/L	98
49) Dibromochloromethane	8.798	129	36228	5.331	ug/L	99
50) 1,2-Dibromoethane	8.913	107	25994	5.368	ug/L	98
51) Chlorobenzene	9.438	112	96653	5.106	ug/L	98
52) Ethylbenzene	9.560	91	172773	5.259	ug/L	97
53) m,p-Xylene	9.685	106	65359	5.320	ug/L	99
54) o-Xylene	10.090	106	63060	5.359	ug/L	98
55) Styrene	10.103	104	107658	5.469	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	30942	5.450	ug/L #	95
59) Bromoform	10.280	173	22637	5.289	ug/L	98
60) Isopropylbenzene	10.473	105	178706	5.285	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	23526	5.406	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	157759	5.489	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	149844	5.390	ug/L	100
64) 1,3-Dichlorobenzene	11.736	146	81632	5.208	ug/L	97
65) 1,4-Dichlorobenzene	11.826	146	80462	5.090	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	77169	5.253	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	5898	5.232	ug/L	95
69) 1,3,5-Trichlorobenzene	13.209	180	60608	5.134	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	43764	4.603	ug/L	99
71) Naphthalene	14.080	128	56365	4.051	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	36151	4.362	ug/L	96

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

