

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012225\
 Data File : VU062962.D
 Acq On : 22 Jan 2025 15:55
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005116

Quant Time: Jan 23 00:45:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 23 00:43:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	87877	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	86299	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	46258	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	19725	4.053	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.000%
7) Chloroethane-d5	1.904	69	13862	3.541	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.800%
11) 1,1-Dichloroethene-d2	2.560	65	10272	4.074	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.612	46	58015	58.323	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.640%
24) Chloroform-d	5.052	84	60413	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.692	65	29809	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.714	84	83188	3.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.679	67	21376	3.655	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.000%
41) Toluene-d8	7.888	98	81022	3.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.171	79	12441	4.267	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.624	63	38277	41.743	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.480%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	19306	3.941	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	35769	4.648	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	50249	6.002	ug/L	100
3) Chloromethane	1.515	50	33922	6.038	ug/L	94
5) Vinyl chloride	1.599	62	36733	5.807	ug/L	100
6) Bromomethane	1.846	94	18428	4.004	ug/L	94
8) Chloroethane	1.924	64	16935	4.456	ug/L	97
9) Trichlorofluoromethane	2.133	101	62519	4.899	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	35429	5.746	ug/L	98
12) 1,1-Dichloroethene	2.570	96	30925	5.669	ug/L	97
13) Acetone	2.618	43	40024	50.792	ug/L	96
14) Carbon disulfide	2.785	76	95489	5.480	ug/L	99
15) Methyl Acetate	2.943	43	10229	5.995	ug/L	98
16) Methylene chloride	3.036	84	32646	5.463	ug/L	94
17) Methyl tert-butyl Ether	3.348	73	83401	5.563	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	31726	5.429	ug/L	98
19) 1,1-Dichloroethane	3.856	63	59688	5.712	ug/L	98
21) 2-Butanone	4.689	43	62352	59.414	ug/L	97
22) cis-1,2-Dichloroethene	4.653	96	35884	5.638	ug/L	99
23) Bromochloromethane	4.962	128	15802	5.259	ug/L #	92
25) Chloroform	5.075	83	70207	5.459	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	43285	5.148	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	64237	4.907	ug/L	97
30) Cyclohexane	5.374	56	37888	4.432	ug/L	92
31) Carbon tetrachloride	5.515	117	59599	4.954	ug/L	96
33) Benzene	5.763	78	116075	4.681	ug/L	100
34) Trichloroethene	6.531	95	36016	4.252	ug/L	97
35) Methylcyclohexane	6.753	83	48793	4.682	ug/L	99
37) 1,2-Dichloropropane	6.779	63	26479	4.527	ug/L	99
38) Bromodichloromethane	7.094	83	41412	4.403	ug/L	96
39) cis-1,3-Dichloropropene	7.599	75	48221	4.842	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	123202	45.092	ug/L	98
42) Toluene	7.959	91	134538	4.952	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	43422	5.058	ug/L	98
45) 1,1,2-Trichloroethane	8.390	97	23368	4.919	ug/L	96
47) Tetrachloroethene	8.544	164	28380	4.865	ug/L	97
48) 2-Hexanone	8.676	43	95741	48.741	ug/L	94
49) Dibromochloromethane	8.798	129	31384	4.921	ug/L	99
50) 1,2-Dibromoethane	8.914	107	21654	4.765	ug/L	99
51) Chlorobenzene	9.438	112	84236	4.741	ug/L	96
52) Ethylbenzene	9.560	91	155694	5.050	ug/L	97
53) m,p-Xylene	9.685	106	57673	5.002	ug/L	96
54) o-Xylene	10.090	106	53495	4.844	ug/L	95
55) Styrene	10.107	104	89410	4.840	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	21376	4.011	ug/L #	92
59) Bromoform	10.280	173	18315	4.539	ug/L	96
60) Isopropylbenzene	10.473	105	134494	4.219	ug/L	97
61) 1,2,3-Trichloropropane	10.811	75	16521	4.026	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	127551	4.708	ug/L	98
63) 1,2,4-Trimethylbenzene	11.457	105	126785	4.837	ug/L	98
64) 1,3-Dichlorobenzene	11.737	146	72229	4.887	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	69713	4.678	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	68622	4.955	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	5311	4.997	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	55090	4.950	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	35070	3.912	ug/L	99
71) Naphthalene	14.081	128	37663	2.871	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	29589	3.787	ug/L	96

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

