

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120623\
 Data File : VU056656.D
 Acq On : 06 Dec 2023 10:07
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005187

Quant Time: Dec 07 04:49:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 06 01:41:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	240406	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	243958	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123327	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	72097	4.009	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.911	69	57722	4.187	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.800%
11) 1,1-Dichloroethene-d2	2.563	65	34054	4.291	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.800%
20) 2-Butanone-d5	4.624	46	220317	61.446	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.900%
24) Chloroform-d	5.055	84	175398	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.698	65	82723	5.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	5.721	84	315210	4.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.685	67	101484	4.633	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.894	98	277535	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.174	79	38209	4.548	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.631	63	178833	54.165	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.320%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	81697	5.219	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	99755	4.378	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	75616	3.970	ug/L	99
3) Chloromethane	1.518	50	77008	3.956	ug/L	97
5) Vinyl chloride	1.602	62	82901	4.420	ug/L	97
6) Bromomethane	1.856	94	46031	4.849	ug/L	98
8) Chloroethane	1.930	64	50037	4.368	ug/L	97
9) Trichlorofluoromethane	2.136	101	138984	5.143	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	89748	5.593	ug/L	98
12) 1,1-Dichloroethene	2.576	96	73573	4.999	ug/L	94
13) Acetone	2.634	43	147486	48.295	ug/L	98
14) Carbon disulfide	2.792	76	167547	3.499	ug/L	99
15) Methyl Acetate	2.949	43	30705	5.650	ug/L	99
16) Methylene chloride	3.042	84	91571	4.702	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	203164	5.682	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	76648	5.062	ug/L	98
19) 1,1-Dichloroethane	3.862	63	170212	5.675	ug/L	98
21) 2-Butanone	4.701	43	209064	52.759	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	93334	5.435	ug/L	97
23) Bromochloromethane	4.968	128	40823	5.776	ug/L	99
25) Chloroform	5.081	83	182292	5.610	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	103015	5.583	ug/L	96
29) 1,1,1-Trichloroethane	5.312	97	154228	5.507	ug/L	99
30) Cyclohexane	5.383	56	112398	4.229	ug/L	98
31) Carbon tetrachloride	5.521	117	129521	5.385	ug/L	98
33) Benzene	5.769	78	354090	5.087	ug/L	100
34) Trichloroethene	6.537	95	97344	5.133	ug/L	98
35) Methylcyclohexane	6.759	83	121094	4.423	ug/L	98
37) 1,2-Dichloropropane	6.785	63	97349	5.363	ug/L	99
38) Bromodichloromethane	7.100	83	129536	5.528	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	141727	5.313	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	501161	55.694	ug/L	100
42) Toluene	7.965	91	384031	5.329	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	117337	5.518	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	68779	5.689	ug/L	98
47) Tetrachloroethene	8.550	164	65744	5.141	ug/L	98
48) 2-Hexanone	8.679	43	369495	52.708	ug/L	97
49) Dibromochloromethane	8.804	129	79855	5.808	ug/L	100
50) 1,2-Dibromoethane	8.920	107	62074	5.439	ug/L	98
51) Chlorobenzene	9.444	112	247203	5.338	ug/L	99
52) Ethylbenzene	9.566	91	423972	5.298	ug/L	99
53) m,p-Xylene	9.692	106	160362	5.451	ug/L	99
54) o-Xylene	10.097	106	155473	5.440	ug/L	99
55) Styrene	10.110	104	263692	5.547	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	85772	5.810	ug/L #	98
59) Bromoform	10.286	173	44504	5.793	ug/L	99
60) Isopropylbenzene	10.479	105	430557	5.413	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	61093	5.773	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	346899	5.312	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	348579	5.408	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	202583	5.599	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	198163	5.460	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	187577	5.651	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	11290	4.995	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	154839	5.684	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	118725	5.351	ug/L	100
71) Naphthalene	14.084	128	161282	4.811	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	100709	5.510	ug/L	97

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

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