

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111723\
 Data File : VU056451.D
 Acq On : 17 Nov 2023 18:56
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005163

Quant Time: Nov 17 23:24:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 23:14:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	252327	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	253524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130940	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	68442	3.626	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.907	69	59760	4.130	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.560	65	33183	3.984	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.621	46	198054	52.627	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.260%
24) Chloroform-d	5.055	84	170088	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.695	65	81131	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.721	84	313655	4.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.685	67	104254	4.580	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.894	98	292318	4.382	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.174	79	40246	4.610	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.627	63	183040	53.347	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.700%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	78460	4.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	100079	4.137	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	108018	5.403	ug/L	99
3) Chloromethane	1.515	50	101398	4.963	ug/L	97
5) Vinyl chloride	1.602	62	98677	5.013	ug/L	98
6) Bromomethane	1.853	94	52104	5.230	ug/L	99
8) Chloroethane	1.927	64	64850	5.393	ug/L	95
9) Trichlorofluoromethane	2.132	101	158363	5.583	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	97483	5.788	ug/L	99
12) 1,1-Dichloroethene	2.576	96	86687	5.612	ug/L	84
13) Acetone	2.628	43	150207	46.863	ug/L	99
14) Carbon disulfide	2.788	76	232073	4.617	ug/L	99
15) Methyl Acetate	2.949	43	29539	5.179	ug/L	94
16) Methylene chloride	3.039	84	102681	5.023	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	208998	5.569	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	86392	5.436	ug/L	98
19) 1,1-Dichloroethane	3.862	63	175156	5.564	ug/L	98
21) 2-Butanone	4.698	43	206457	49.639	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	101281	5.619	ug/L	97
23) Bromochloromethane	4.965	128	42553	5.736	ug/L	93
25) Chloroform	5.081	83	190365	5.581	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	108803	5.618	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	162402	5.581	ug/L	99
30) Cyclohexane	5.383	56	130429	4.722	ug/L	99
31) Carbon tetrachloride	5.518	117	135384	5.416	ug/L	98
33) Benzene	5.769	78	384156	5.311	ug/L	100
34) Trichloroethene	6.537	95	110614	5.612	ug/L	98
35) Methylcyclohexane	6.759	83	150129	5.276	ug/L	99
37) 1,2-Dichloropropane	6.785	63	107529	5.700	ug/L	99
38) Bromodichloromethane	7.100	83	137649	5.652	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	152270	5.493	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	535719	57.288	ug/L	99
42) Toluene	7.965	91	429946	5.741	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	127314	5.761	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	76290	6.072	ug/L	93
47) Tetrachloroethene	8.550	164	76049	5.722	ug/L	97
48) 2-Hexanone	8.679	43	399234	54.801	ug/L	99
49) Dibromochloromethane	8.804	129	84982	5.948	ug/L	95
50) 1,2-Dibromoethane	8.920	107	69194	5.834	ug/L	100
51) Chlorobenzene	9.444	112	266721	5.542	ug/L	99
52) Ethylbenzene	9.566	91	467088	5.616	ug/L	99
53) m,p-Xylene	9.692	106	177736	5.813	ug/L	98
54) o-Xylene	10.097	106	164206	5.529	ug/L	98
55) Styrene	10.110	104	286775	5.805	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	87521	5.705	ug/L	95
59) Bromoform	10.287	173	46703	5.726	ug/L	97
60) Isopropylbenzene	10.479	105	451473	5.346	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	59777	5.321	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	365583	5.273	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	364477	5.325	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	208317	5.423	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	200870	5.213	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	190225	5.398	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	12917	5.383	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	151873	5.251	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	123467	5.242	ug/L	100
71) Naphthalene	14.084	128	174988	4.917	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	101994	5.256	ug/L	99

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

