

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083123\
 Data File : VU055012.D
 Acq On : 31 Aug 2023 09:06
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

Quant Time: Sep 01 04:55:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	164033	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	150182	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	77455	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	19277	3.723	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.911	69	26784	4.004	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.563	65	11469	3.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.627	46	160440	57.411	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.820%
24) Chloroform-d	5.062	84	95487	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.701	65	50801	4.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.727	84	158718	4.702	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.688	67	58901	4.961	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.897	98	142614	4.411	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.180	79	16110	4.123	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.634	63	99097	53.434	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.860%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	55417	5.443	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	61005	4.933	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	49684	4.888	ug/L	100
3) Chloromethane	1.518	50	55169	5.202	ug/L	97
5) Vinyl chloride	1.602	62	58463	5.310	ug/L	99
6) Bromomethane	1.856	94	30687	4.467	ug/L	97
8) Chloroethane	1.930	64	37627	5.197	ug/L	97
9) Trichlorofluoromethane	2.136	101	78477	5.009	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	40205	4.724	ug/L	98
12) 1,1-Dichloroethene	2.576	96	40607	5.482	ug/L	86
13) Acetone	2.637	43	76277	50.495	ug/L	99
14) Carbon disulfide	2.788	76	98113	4.783	ug/L	97
15) Methyl Acetate	2.956	43	17548	5.675	ug/L	100
16) Methylene chloride	3.039	84	58528	5.144	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	116097	5.386	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	41761	5.159	ug/L	93
19) 1,1-Dichloroethane	3.865	63	91855	5.410	ug/L	99
21) 2-Butanone	4.711	43	122259	52.819	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	54826	5.681	ug/L	97
23) Bromochloromethane	4.975	128	22794	5.459	ug/L	88
25) Chloroform	5.084	83	99696	5.353	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.795	62	60500	5.317	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	78044	5.228	ug/L	98
30) Cyclohexane	5.386	56	57745	4.363	ug/L	96
31) Carbon tetrachloride	5.521	117	60888	4.794	ug/L	98
33) Benzene	5.772	78	187259	5.286	ug/L	100
34) Trichloroethene	6.541	95	55628	5.666	ug/L	98
35) Methylcyclohexane	6.759	83	53284	3.668	ug/L	99
37) 1,2-Dichloropropane	6.788	63	55416	5.610	ug/L	99
38) Bromodichloromethane	7.103	83	65679	5.361	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	62074	4.361	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	299713	54.433	ug/L	99
42) Toluene	7.968	91	199992	5.087	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	53729	4.571	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	37666	5.651	ug/L	94
47) Tetrachloroethene	8.553	164	33304	4.720	ug/L	92
48) 2-Hexanone	8.682	43	215281	52.795	ug/L	99
49) Dibromochloromethane	8.807	129	39604	5.129	ug/L	85
50) 1,2-Dibromoethane	8.923	107	33692	5.251	ug/L	99
51) Chlorobenzene	9.444	112	131380	5.135	ug/L	97
52) Ethylbenzene	9.569	91	210205	4.741	ug/L	99
53) m,p-Xylene	9.692	106	78636	4.732	ug/L	96
54) o-Xylene	10.100	106	79060	4.963	ug/L	96
55) Styrene	10.113	104	130924	4.986	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	45253	5.488	ug/L	99
59) Bromoform	10.290	173	20276	5.270	ug/L	96
60) Isopropylbenzene	10.483	105	204101	4.909	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	32934	5.711	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	167359	4.690	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	156938	4.740	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	100706	5.205	ug/L	96
65) 1,4-Dichlorobenzene	11.836	146	99435	5.138	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	94532	5.361	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	5969	5.342	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	64773	5.022	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	50969	5.045	ug/L	98
71) Naphthalene	14.087	128	75021	4.936	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	43080	5.147	ug/L	98

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

