

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103123\
 Data File : VU056030.D
 Acq On : 31 Oct 2023 22:10
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005170

Quant Time: Nov 01 01:14:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 01 01:09:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	340951	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	337392	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	169717	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	104798	3.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.914	69	96111	4.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.567	65	48989	4.278	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.600%
20) 2-Butanone-d5	4.631	46	292096	60.707	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.420%
24) Chloroform-d	5.058	84	266621	5.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	5.698	65	127451	5.234	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	5.724	84	521459	5.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	6.685	67	160176	5.376	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.894	98	456542	5.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
43) trans-1,3-Dichloroprop...	8.177	79	55624	4.774	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.631	63	248537	84.024	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	168.040%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	127397	5.872	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	162623	5.136	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	86712	4.462	ug/L	97
3) Chloromethane	1.518	50	78785	4.246	ug/L	94
5) Vinyl chloride	1.605	62	88089	4.311	ug/L	97
6) Bromomethane	1.859	94	53437	4.221	ug/L	98
8) Chloroethane	1.933	64	56666	4.732	ug/L	99
9) Trichlorofluoromethane	2.136	101	133823	4.748	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	92056	4.972	ug/L	98
12) 1,1-Dichloroethene	2.579	96	79836	4.831	ug/L	87
13) Acetone	2.644	43	120027	43.775	ug/L	96
14) Carbon disulfide	2.792	76	184053	4.350	ug/L	98
15) Methyl Acetate	2.956	43	28332	5.072	ug/L	95
16) Methylene chloride	3.046	84	94551	5.050	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	202738	5.056	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	79387	4.845	ug/L	97
19) 1,1-Dichloroethane	3.866	63	169493	5.095	ug/L	98
21) 2-Butanone	4.714	43	192623	47.790	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	99359	5.009	ug/L	92
23) Bromochloromethane	4.972	128	43990	5.443	ug/L	92
25) Chloroform	5.084	83	181509	5.088	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	98430	4.697	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	152977	4.975	ug/L	97
30) Cyclohexane	5.383	56	117929	4.545	ug/L	97
31) Carbon tetrachloride	5.521	117	130884	4.990	ug/L	99
33) Benzene	5.769	78	371175	4.985	ug/L	100
34) Trichloroethene	6.541	95	99895	4.796	ug/L	98
35) Methylcyclohexane	6.759	83	126511	4.500	ug/L	100
37) 1,2-Dichloropropane	6.788	63	100327	5.075	ug/L	100
38) Bromodichloromethane	7.100	83	123996	4.996	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	137219	4.872	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	457370	47.992	ug/L	95
42) Toluene	7.965	91	408292	5.247	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	109893	4.834	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	71421	5.138	ug/L	99
47) Tetrachloroethene	8.550	164	77198	5.293	ug/L	97
48) 2-Hexanone	8.682	43	347625	46.392	ug/L	98
49) Dibromochloromethane	8.807	129	80749	5.292	ug/L	97
50) 1,2-Dibromoethane	8.920	107	65563	5.198	ug/L	98
51) Chlorobenzene	9.444	112	257721	5.054	ug/L	99
52) Ethylbenzene	9.566	91	431937	4.897	ug/L	100
53) m,p-Xylene	9.692	106	165502	5.021	ug/L	97
54) o-Xylene	10.097	106	163234	5.061	ug/L	95
55) Styrene	10.113	104	273850	5.296	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	84502	5.252	ug/L #	99
59) Bromoform	10.287	173	46678	5.407	ug/L	98
60) Isopropylbenzene	10.479	105	434353	5.136	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	59345	5.093	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	342966	4.962	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	343655	5.352	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	206660	5.155	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	202194	5.054	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	192459	5.229	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	12056	5.799	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	145933	5.327	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	113956	5.628	ug/L	98
71) Naphthalene	14.084	128	160899	5.487	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	94756	5.428	ug/L	96

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

