

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056801.D
 Acq On : 12 Dec 2023 21:46
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

Quant Time: Dec 13 00:38:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	266177	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	258420	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	125130	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	99070	4.342	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.907	69	82433	4.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.563	65	45138	4.624	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.615	46	230007	51.047	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.100%
24) Chloroform-d	5.055	84	214965	4.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.695	65	101452	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.721	84	406772	5.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.685	67	127392	5.078	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.894	98	365224	5.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	8.177	79	47863	4.919	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.400%
46) 2-Hexanone-d5	8.627	63	198093	53.984	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.960%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	91941	5.065	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	119346	4.852	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	132558	4.753	ug/L	98
3) Chloromethane	1.515	50	132252	4.822	ug/L	98
5) Vinyl chloride	1.602	62	132263	4.856	ug/L	98
6) Bromomethane	1.849	94	66332	4.131	ug/L	97
8) Chloroethane	1.927	64	81144	5.086	ug/L	99
9) Trichlorofluoromethane	2.136	101	189771	4.944	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	112878	4.795	ug/L	98
12) 1,1-Dichloroethene	2.576	96	105579	4.886	ug/L	95
13) Acetone	2.621	43	127294	46.358	ug/L	99
14) Carbon disulfide	2.788	76	355518	4.742	ug/L	99
15) Methyl Acetate	2.946	43	35714	4.778	ug/L	99
16) Methylene chloride	3.039	84	116395	4.944	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	243281	5.077	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	111967	5.110	ug/L	98
19) 1,1-Dichloroethane	3.862	63	210132	4.986	ug/L	98
21) 2-Butanone	4.695	43	214750	46.376	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	119051	4.994	ug/L	97
23) Bromochloromethane	4.968	128	50336	5.044	ug/L	97
25) Chloroform	5.081	83	214835	4.866	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	126604	4.849	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	192900	5.164	ug/L	98
30) Cyclohexane	5.383	56	178036	5.078	ug/L	99
31) Carbon tetrachloride	5.518	117	164165	5.056	ug/L	100
33) Benzene	5.766	78	471331	5.190	ug/L	100
34) Trichloroethene	6.537	95	126201	5.066	ug/L	97
35) Methylcyclohexane	6.756	83	183886	5.002	ug/L	99
37) 1,2-Dichloropropane	6.785	63	119682	5.152	ug/L	99
38) Bromodichloromethane	7.100	83	148744	5.021	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	167926	4.959	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	560861	50.841	ug/L	99
42) Toluene	7.965	91	492584	5.242	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	139983	5.044	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	79923	5.089	ug/L	96
47) Tetrachloroethene	8.547	164	89148	5.113	ug/L	94
48) 2-Hexanone	8.679	43	398997	50.782	ug/L	99
49) Dibromochloromethane	8.804	129	88324	4.892	ug/L	96
50) 1,2-Dibromoethane	8.917	107	74428	5.106	ug/L	96
51) Chlorobenzene	9.441	112	301561	5.035	ug/L	100
52) Ethylbenzene	9.566	91	533838	5.150	ug/L	99
53) m,p-Xylene	9.688	106	202484	5.243	ug/L	96
54) o-Xylene	10.097	106	193142	5.249	ug/L	95
55) Styrene	10.110	104	321265	5.317	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	95301	5.022	ug/L #	99
59) Bromoform	10.283	173	48811	4.778	ug/L	98
60) Isopropylbenzene	10.479	105	517293	5.233	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	65968	4.910	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	422820	5.233	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	422883	5.270	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	234399	5.012	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	239583	5.203	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	220826	5.183	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	12460	4.645	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	169004	4.783	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	126869	4.534	ug/L	98
71) Naphthalene	14.081	128	173826	4.245	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	107818	4.538	ug/L	97

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

