

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056752.D
 Acq On : 11 Dec 2023 23:21
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

Quant Time: Dec 12 01:15:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 01:07:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	275124	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	262448	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	131057	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	109545	4.645	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.908	69	77445	4.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.564	65	48517	4.808	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.200%
20) 2-Butanone-d5	4.618	46	227471	48.842	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.680%
24) Chloroform-d	5.056	84	216945	4.858	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.695	65	103198	4.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	421523	5.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.683	67	126349	4.959	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.891	98	371402	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	8.174	79	45886	4.644	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.628	63	195551	52.473	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.940%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	90935	4.933	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	122967	4.773	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	131209	4.551	ug/L	97
3) Chloromethane	1.516	50	129725	4.576	ug/L	98
5) Vinyl chloride	1.602	62	130824	4.647	ug/L	95
6) Bromomethane	1.853	94	70741	4.262	ug/L	93
8) Chloroethane	1.930	64	69986	4.244	ug/L	97
9) Trichlorofluoromethane	2.133	101	184978	4.663	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.577	101	112233	4.612	ug/L	99
12) 1,1-Dichloroethene	2.577	96	104481	4.678	ug/L	95
13) Acetone	2.628	43	126782	44.670	ug/L	99
14) Carbon disulfide	2.789	76	350672	4.525	ug/L	100
15) Methyl Acetate	2.946	43	36514	4.726	ug/L	99
16) Methylene chloride	3.040	84	115513	4.747	ug/L	98
17) Methyl tert-butyl Ether	3.355	73	233002	4.704	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	107748	4.758	ug/L	98
19) 1,1-Dichloroethane	3.863	63	204764	4.700	ug/L	98
21) 2-Butanone	4.699	43	218205	45.590	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	115389	4.683	ug/L	99
23) Bromochloromethane	4.969	128	48952	4.746	ug/L	98
25) Chloroform	5.081	83	212078	4.647	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.789	62	124878	4.627	ug/L	100
29) 1,1,1-Trichloroethane	5.310	97	187584	4.945	ug/L	99
30) Cyclohexane	5.384	56	177714	4.991	ug/L	98
31) Carbon tetrachloride	5.519	117	161911	4.910	ug/L	99
33) Benzene	5.769	78	465497	5.047	ug/L	100
34) Trichloroethene	6.538	95	124203	4.909	ug/L	97
35) Methylcyclohexane	6.756	83	180642	4.838	ug/L	99
37) 1,2-Dichloropropane	6.782	63	114356	4.847	ug/L	99
38) Bromodichloromethane	7.101	83	143588	4.772	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	167438	4.869	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	547198	48.841	ug/L	98
42) Toluene	7.965	91	480115	5.031	ug/L	99
44) trans-1,3-Dichloropropene	8.207	75	133353	4.732	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	75605	4.740	ug/L	92
47) Tetrachloroethene	8.547	164	86695	4.896	ug/L	95
48) 2-Hexanone	8.679	43	395278	49.537	ug/L	100
49) Dibromochloromethane	8.805	129	87384	4.766	ug/L	98
50) 1,2-Dibromoethane	8.917	107	71608	4.837	ug/L	98
51) Chlorobenzene	9.441	112	296155	4.869	ug/L	99
52) Ethylbenzene	9.567	91	521288	4.952	ug/L	98
53) m,p-Xylene	9.689	106	199366	5.083	ug/L	95
54) o-Xylene	10.097	106	185647	4.968	ug/L	99
55) Styrene	10.110	104	318597	5.192	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.776	83	93675	4.861	ug/L	97
59) Bromoform	10.287	173	47159	4.407	ug/L	98
60) Isopropylbenzene	10.480	105	509550	4.921	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	67226	4.777	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	412962	4.880	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	412624	4.909	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	226494	4.624	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	222852	4.621	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	205590	4.607	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	12217	4.348	ug/L	96
69) 1,3,5-Trichlorobenzene	13.213	180	167551	4.527	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	128306	4.378	ug/L	99
71) Naphthalene	14.081	128	183559	4.280	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	107548	4.322	ug/L	99

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

