

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056727.D
 Acq On : 11 Dec 2023 12:57
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005194

Quant Time: Dec 12 01:01:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 00:52:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	268733	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	264059	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129755	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	109342	4.747	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.000%
7) Chloroethane-d5	1.911	69	85074	4.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.563	65	48074	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.618	46	232023	51.005	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.000%
24) Chloroform-d	5.059	84	212461	4.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.695	65	101189	4.902	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.721	84	410505	5.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.685	67	125798	4.907	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.894	98	367344	5.018	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	8.174	79	50361	5.066	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.400%
46) 2-Hexanone-d5	8.627	63	194912	51.983	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	90701	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	124906	4.897	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	134317	4.770	ug/L	99
3) Chloromethane	1.515	50	127588	4.608	ug/L	99
5) Vinyl chloride	1.602	62	132353	4.813	ug/L	98
6) Bromomethane	1.853	94	74974	4.625	ug/L	98
8) Chloroethane	1.930	64	75336	4.677	ug/L	98
9) Trichlorofluoromethane	2.136	101	184441	4.760	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	115102	4.843	ug/L	99
12) 1,1-Dichloroethene	2.576	96	105073	4.816	ug/L	97
13) Acetone	2.628	43	133701	48.228	ug/L	99
14) Carbon disulfide	2.789	76	361315	4.773	ug/L	99
15) Methyl Acetate	2.946	43	36213	4.799	ug/L	100
16) Methylene chloride	3.043	84	117962	4.963	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	240516	4.972	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	111045	5.020	ug/L	96
19) 1,1-Dichloroethane	3.862	63	206385	4.850	ug/L	99
21) 2-Butanone	4.695	43	226122	48.367	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	119563	4.968	ug/L	98
23) Bromochloromethane	4.968	128	49308	4.894	ug/L	94
25) Chloroform	5.081	83	212405	4.765	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125861	4.774	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	191000	5.004	ug/L	98
30) Cyclohexane	5.383	56	182758	5.102	ug/L	100
31) Carbon tetrachloride	5.518	117	161235	4.860	ug/L	98
33) Benzene	5.769	78	458875	4.945	ug/L	100
34) Trichloroethene	6.538	95	124179	4.878	ug/L	98
35) Methylcyclohexane	6.759	83	190174	5.062	ug/L	100
37) 1,2-Dichloropropane	6.785	63	117683	4.957	ug/L	99
38) Bromodichloromethane	7.100	83	147643	4.877	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	176749	5.109	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	565389	50.157	ug/L	98
42) Toluene	7.965	91	487577	5.078	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	141662	4.996	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	76922	4.793	ug/L	92
47) Tetrachloroethene	8.550	164	86133	4.835	ug/L	97
48) 2-Hexanone	8.679	43	416172	51.837	ug/L	99
49) Dibromochloromethane	8.804	129	90634	4.913	ug/L	99
50) 1,2-Dibromoethane	8.917	107	74635	5.011	ug/L	100
51) Chlorobenzene	9.444	112	302581	4.944	ug/L	99
52) Ethylbenzene	9.566	91	539495	5.093	ug/L	100
53) m,p-Xylene	9.692	106	205896	5.217	ug/L	95
54) o-Xylene	10.097	106	192195	5.112	ug/L	100
55) Styrene	10.110	104	325805	5.277	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	93617	4.828	ug/L	100
59) Bromoform	10.287	173	51808	4.890	ug/L	97
60) Isopropylbenzene	10.480	105	523853	5.110	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	66238	4.754	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	430263	5.135	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	430402	5.172	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	234547	4.837	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	227676	4.768	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	210531	4.766	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	12991	4.670	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	177050	4.832	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	141036	4.860	ug/L	99
71) Naphthalene	14.084	128	204243	4.810	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	115401	4.684	ug/L	98

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

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