

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057127.D
 Acq On : 21 Dec 2023 10:29
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

Quant Time: Dec 21 23:21:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:17:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	195238	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	184162	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	93806	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	91903	4.925	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.910	69	73710	4.799	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.563	65	39509	4.887	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.800%
20) 2-Butanone-d5	4.618	46	138947	47.424	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.840%
24) Chloroform-d	5.055	84	177905	4.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.695	65	84005	4.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	325130	5.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
36) 1,2-Dichloropropane-d6	6.685	67	90281	5.023	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.894	98	300403	5.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
43) trans-1,3-Dichloroprop...	8.177	79	37220	4.974	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.627	63	130784	51.336	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.680%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	63907	4.996	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	97576	4.834	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	98434	5.392	ug/L	100
3) Chloromethane	1.518	50	75925	4.745	ug/L	100
5) Vinyl chloride	1.602	62	91724	5.374	ug/L	98
6) Bromomethane	1.856	94	31281	4.191	ug/L	98
8) Chloroethane	1.933	64	55156	5.090	ug/L	96
9) Trichlorofluoromethane	2.136	101	170567	5.439	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	86417	5.322	ug/L	99
12) 1,1-Dichloroethene	2.576	96	74202	5.083	ug/L	96
13) Acetone	2.631	43	88584	50.287	ug/L	100
14) Carbon disulfide	2.791	76	231710	5.045	ug/L	100
15) Methyl Acetate	2.946	43	22478	5.411	ug/L	99
16) Methylene chloride	3.039	84	83235	4.905	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	161411	5.207	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	74699	5.248	ug/L	94
19) 1,1-Dichloroethane	3.862	63	145078	5.136	ug/L	96
21) 2-Butanone	4.698	43	132693	49.426	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	85815	5.474	ug/L	97
23) Bromochloromethane	4.968	128	35436	5.217	ug/L	97
25) Chloroform	5.081	83	166620	5.230	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	93871	4.993	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	156474	5.346	ug/L	98
30) Cyclohexane	5.383	56	109083	5.513	ug/L	99
31) Carbon tetrachloride	5.518	117	141493	5.496	ug/L	100
33) Benzene	5.769	78	316781	5.426	ug/L	100
34) Trichloroethene	6.537	95	91827	5.379	ug/L	95
35) Methylcyclohexane	6.759	83	128363	5.711	ug/L	99
37) 1,2-Dichloropropane	6.785	63	79874	5.500	ug/L	98
38) Bromodichloromethane	7.100	83	117251	5.580	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	121993	5.584	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	345814	54.777	ug/L	99
42) Toluene	7.965	91	352827	5.702	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	102048	5.474	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	54632	5.453	ug/L	96
47) Tetrachloroethene	8.550	164	65800	5.378	ug/L	97
48) 2-Hexanone	8.679	43	252562	54.375	ug/L	98
49) Dibromochloromethane	8.804	129	71092	5.474	ug/L	97
50) 1,2-Dibromoethane	8.917	107	51607	5.486	ug/L	100
51) Chlorobenzene	9.441	112	218371	5.423	ug/L	97
52) Ethylbenzene	9.566	91	386053	5.537	ug/L	97
53) m,p-Xylene	9.688	106	148842	5.836	ug/L	97
54) o-Xylene	10.097	106	136772	5.558	ug/L	99
55) Styrene	10.110	104	237023	5.840	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	64806	5.364	ug/L #	97
59) Bromoform	10.286	173	39593	5.500	ug/L	93
60) Isopropylbenzene	10.479	105	395069	5.712	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	44692	5.113	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	322801	5.696	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	324374	5.800	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	181647	5.557	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	176007	5.349	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	162148	5.546	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	10262	5.176	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.215	180	133204	5.477	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	102293	5.372	ug/L	99
71) Naphthalene	14.080	128	134320	5.576	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	83896	5.648	ug/L	97

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

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