

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056941.D
 Acq On : 16 Dec 2023 20:54
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005088

Quant Time: Dec 16 22:00:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	216311	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	218249	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	104755	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80583	4.346	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.907	69	65002	4.685	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.560	65	36271	4.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	4.621	46	207735	56.732	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.460%
24) Chloroform-d	5.055	84	184978	5.268	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.400%
26) 1,2-Dichloroethane-d4	5.695	65	87227	5.250	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.721	84	341401	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.685	67	106762	5.039	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.891	98	297276	4.913	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	8.174	79	39874	4.853	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.627	63	172473	55.653	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.300%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	82791	5.401	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	99680	4.841	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	111793	4.932	ug/L	97
3) Chloromethane	1.515	50	121963	5.472	ug/L	99
5) Vinyl chloride	1.599	62	119321	5.391	ug/L	99
6) Bromomethane	1.853	94	59652	4.571	ug/L	95
8) Chloroethane	1.930	64	68446	5.279	ug/L	98
9) Trichlorofluoromethane	2.133	101	164706	5.280	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	101166	5.288	ug/L	97
12) 1,1-Dichloroethene	2.576	96	91908	5.233	ug/L	90
13) Acetone	2.631	43	118707	53.197	ug/L	100
14) Carbon disulfide	2.788	76	295135	4.844	ug/L	99
15) Methyl Acetate	2.949	43	31599	5.202	ug/L	97
16) Methylene chloride	3.039	84	105085	5.492	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	203113	5.216	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	92549	5.198	ug/L	97
19) 1,1-Dichloroethane	3.862	63	188803	5.512	ug/L	97
21) 2-Butanone	4.698	43	196636	52.253	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	102681	5.301	ug/L	94
23) Bromochloromethane	4.968	128	44497	5.487	ug/L	93
25) Chloroform	5.081	83	197600	5.507	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	114220	5.383	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	170132	5.393	ug/L	99
30) Cyclohexane	5.383	56	141129	4.766	ug/L	99
31) Carbon tetrachloride	5.518	117	145795	5.317	ug/L	100
33) Benzene	5.769	78	408958	5.332	ug/L	100
34) Trichloroethene	6.538	95	106598	5.066	ug/L	98
35) Methylcyclohexane	6.759	83	146699	4.725	ug/L	99
37) 1,2-Dichloropropane	6.782	63	108831	5.547	ug/L	99
38) Bromodichloromethane	7.100	83	131478	5.255	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	143016	5.001	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	497647	53.414	ug/L	99
42) Toluene	7.965	91	430742	5.427	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	118828	5.070	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	73029	5.506	ug/L	95
47) Tetrachloroethene	8.547	164	77895	5.290	ug/L	98
48) 2-Hexanone	8.679	43	366474	55.228	ug/L	99
49) Dibromochloromethane	8.804	129	83397	5.470	ug/L	99
50) 1,2-Dibromoethane	8.917	107	67086	5.449	ug/L	95
51) Chlorobenzene	9.441	112	269446	5.327	ug/L	99
52) Ethylbenzene	9.566	91	448846	5.127	ug/L	99
53) m,p-Xylene	9.689	106	171516	5.259	ug/L	95
54) o-Xylene	10.097	106	161616	5.201	ug/L	100
55) Styrene	10.110	104	281679	5.520	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	86062	5.370	ug/L	97
59) Bromoform	10.287	173	46676	5.457	ug/L	99
60) Isopropylbenzene	10.480	105	443313	5.356	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	59262	5.269	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	332832	4.920	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	330236	4.916	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	193969	4.954	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	188011	4.877	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	178712	5.011	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	12276	5.467	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	144355	4.880	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	107014	4.568	ug/L	98
71) Naphthalene	14.081	128	138043	4.027	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	91377	4.594	ug/L	98

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

