

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112723\
 Data File : VU056609.D
 Acq On : 27 Nov 2023 10:06
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005177

Quant Time: Nov 27 22:28:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 25 01:37:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	294781	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	280562	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	142330	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	94090	4.267	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.400%
7) Chloroethane-d5	1.907	69	60675	3.589	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.800%
11) 1,1-Dichloroethene-d2	2.560	65	41037	4.217	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.621	46	223991	50.947	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.900%
24) Chloroform-d	5.058	84	193537	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.695	65	90804	4.608	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.721	84	357388	4.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.685	67	115329	4.578	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.894	98	319802	4.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.177	79	44086	4.563	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.634	63	198357	52.240	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.480%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	88211	4.900	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	113647	4.322	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	98119	4.201	ug/L	98
3) Chloromethane	1.515	50	91813	3.847	ug/L	96
5) Vinyl chloride	1.602	62	97536	4.241	ug/L	96
6) Bromomethane	1.853	94	43086	3.702	ug/L	92
8) Chloroethane	1.930	64	50767	3.614	ug/L	94
9) Trichlorofluoromethane	2.133	101	162051	4.890	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	95383	4.848	ug/L	99
12) 1,1-Dichloroethene	2.576	96	80764	4.476	ug/L	93
13) Acetone	2.631	43	174361	46.564	ug/L	99
14) Carbon disulfide	2.788	76	216264	3.683	ug/L	99
15) Methyl Acetate	2.949	43	30790	4.621	ug/L	95
16) Methylene chloride	3.039	84	98933	4.143	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	211188	4.817	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	82732	4.456	ug/L	99
19) 1,1-Dichloroethane	3.862	63	177959	4.839	ug/L	99
21) 2-Butanone	4.702	43	228602	47.048	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	99080	4.706	ug/L	99
23) Bromochloromethane	4.968	128	41029	4.734	ug/L	96
25) Chloroform	5.081	83	193111	4.846	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	108529	4.797	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	166027	5.155	ug/L	99
30) Cyclohexane	5.383	56	129833	4.248	ug/L	99
31) Carbon tetrachloride	5.518	117	138112	4.993	ug/L	99
33) Benzene	5.769	78	377980	4.722	ug/L	100
34) Trichloroethene	6.537	95	105395	4.832	ug/L	97
35) Methylcyclohexane	6.759	83	141883	4.506	ug/L	98
37) 1,2-Dichloropropane	6.785	63	109304	5.236	ug/L	100
38) Bromodichloromethane	7.100	83	135241	5.018	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	148717	4.848	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	556294	53.755	ug/L	99
42) Toluene	7.965	91	408240	4.926	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	122747	5.019	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	73064	5.255	ug/L	95
47) Tetrachloroethene	8.550	164	75690	5.146	ug/L	99
48) 2-Hexanone	8.685	43	423501	52.530	ug/L	98
49) Dibromochloromethane	8.804	129	87296	5.521	ug/L	97
50) 1,2-Dibromoethane	8.920	107	67149	5.116	ug/L	99
51) Chlorobenzene	9.441	112	266654	5.007	ug/L	99
52) Ethylbenzene	9.566	91	450922	4.900	ug/L	99
53) m,p-Xylene	9.692	106	167312	4.945	ug/L	98
54) o-Xylene	10.097	106	162330	4.939	ug/L	99
55) Styrene	10.113	104	281714	5.153	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	89433	5.268	ug/L	98
59) Bromoform	10.287	173	48189	5.435	ug/L	97
60) Isopropylbenzene	10.479	105	450072	4.903	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	62969	5.156	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	366377	4.861	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	371662	4.996	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	208220	4.987	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	204245	4.877	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	195352	5.100	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	12410	4.758	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	160740	5.113	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	120747	4.716	ug/L	100
71) Naphthalene	14.084	128	164214	4.245	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	98570	4.673	ug/L	98

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

