

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110123\
 Data File : VU056053.D
 Acq On : 01 Nov 2023 20:42
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005130

Quant Time: Nov 02 02:13:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 02 02:08:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	331543	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	324817	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	158474	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	116536	4.443	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.914	69	89165	4.362	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.567	65	49904	4.482	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	4.631	46	230176	49.196	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.400%
24) Chloroform-d	5.058	84	224543	4.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.698	65	102256	4.319	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
32) Benzene-d6	5.724	84	450659	4.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.685	67	133257	4.646	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.894	98	410366	4.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.177	79	50837	4.532	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.631	63	191420	67.219	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.440%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	101021	4.836	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	135788	4.593	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	85667	4.534	ug/L	96
3) Chloromethane	1.518	50	76231	4.225	ug/L	98
5) Vinyl chloride	1.605	62	85556	4.305	ug/L	99
6) Bromomethane	1.859	94	53472	4.344	ug/L	98
8) Chloroethane	1.933	64	51833	4.451	ug/L	99
9) Trichlorofluoromethane	2.136	101	133608	4.874	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	90928	5.050	ug/L	97
12) 1,1-Dichloroethene	2.579	96	79712	4.961	ug/L	85
13) Acetone	2.640	43	115166	43.194	ug/L	95
14) Carbon disulfide	2.792	76	174633	4.244	ug/L	99
15) Methyl Acetate	2.956	43	27798	5.118	ug/L	95
16) Methylene chloride	3.046	84	99157	5.446	ug/L	94
17) Methyl tert-butyl Ether	3.357	73	198924	5.101	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	79485	4.989	ug/L	96
19) 1,1-Dichloroethane	3.865	63	164747	5.093	ug/L	97
21) 2-Butanone	4.711	43	185415	47.307	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	96410	4.998	ug/L	92
23) Bromochloromethane	4.972	128	42592	5.419	ug/L	90
25) Chloroform	5.081	83	187541	5.407	ug/L	98

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27) 1,2-Dichloroethane	5.791	62	99093	4.863	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	152428	5.149	ug/L	98
30) Cyclohexane	5.383	56	118122	4.729	ug/L	99
31) Carbon tetrachloride	5.521	117	128068	5.071	ug/L	96
33) Benzene	5.772	78	365732	5.102	ug/L	100
34) Trichloroethene	6.537	95	96371	4.806	ug/L	97
35) Methylcyclohexane	6.759	83	126796	4.685	ug/L	97
37) 1,2-Dichloropropane	6.788	63	100593	5.285	ug/L	100
38) Bromodichloromethane	7.100	83	124990	5.231	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	137412	5.068	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	461443	50.294	ug/L	98
42) Toluene	7.965	91	394258	5.263	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	109602	5.007	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	71367	5.333	ug/L	95
47) Tetrachloroethene	8.550	164	73184	5.212	ug/L	97
48) 2-Hexanone	8.682	43	352561	48.872	ug/L	99
49) Dibromochloromethane	8.807	129	80445	5.476	ug/L	100
50) 1,2-Dibromoethane	8.920	107	64458	5.308	ug/L	100
51) Chlorobenzene	9.444	112	253243	5.158	ug/L	97
52) Ethylbenzene	9.566	91	424729	5.001	ug/L	99
53) m,p-Xylene	9.692	106	162329	5.115	ug/L	96
54) o-Xylene	10.097	106	156334	5.034	ug/L	98
55) Styrene	10.113	104	263741	5.298	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	85031	5.489	ug/L	96
59) Bromoform	10.286	173	46871	5.814	ug/L	98
60) Isopropylbenzene	10.479	105	421684	5.340	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	57677	5.301	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	329751	5.110	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	322456	5.378	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	197528	5.277	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	191496	5.126	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	181160	5.271	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	11637	5.994	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	134433	5.255	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	104884	5.547	ug/L	97
71) Naphthalene	14.084	128	143480	5.240	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	86058	5.279	ug/L	98

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

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