

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055411.D
 Acq On : 19 Sep 2023 23:40
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005134

Quant Time: Sep 20 06:11:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	255422	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	264083	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	148350	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	117039	4.534	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.911	69	103054	4.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.563	65	49867	4.693	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.800%
20) 2-Butanone-d5	4.631	46	234831	50.362	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.720%
24) Chloroform-d	5.058	84	228747	4.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
26) 1,2-Dichloroethane-d4	5.698	65	112538	5.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.724	84	456285	4.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.689	67	135939	4.926	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.894	98	421630	5.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
43) trans-1,3-Dichloroprop...	8.177	79	47458	4.900	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.631	63	140185	47.585	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.160%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	103550	5.006	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	148514	4.960	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	114045	4.586	ug/L	100
3) Chloromethane	1.515	50	101403	4.635	ug/L	99
5) Vinyl chloride	1.602	62	107726	4.564	ug/L	97
6) Bromomethane	1.856	94	70044	4.673	ug/L	98
8) Chloroethane	1.930	64	68491	4.447	ug/L	99
9) Trichlorofluoromethane	2.136	101	150159	4.588	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	89923	4.515	ug/L	99
12) 1,1-Dichloroethene	2.576	96	83202	4.659	ug/L	98
13) Acetone	2.644	43	112904	42.478	ug/L	96
14) Carbon disulfide	2.792	76	247903	4.618	ug/L	98
15) Methyl Acetate	2.952	43	27901	4.604	ug/L	98
16) Methylene chloride	3.042	84	111066	5.191	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	182691	4.716	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	84586	4.699	ug/L	96
19) 1,1-Dichloroethane	3.866	63	157147	4.721	ug/L	98
21) 2-Butanone	4.708	43	177429	45.514	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	98248	4.708	ug/L	99
23) Bromochloromethane	4.972	128	41273	4.679	ug/L	98
25) Chloroform	5.084	83	170182	4.828	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	103753	4.800	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	144360	4.795	ug/L	99
30) Cyclohexane	5.383	56	125872	4.567	ug/L	98
31) Carbon tetrachloride	5.521	117	123689	4.793	ug/L	98
33) Benzene	5.772	78	364802	4.800	ug/L	100
34) Trichloroethene	6.541	95	107067	4.980	ug/L	99
35) Methylcyclohexane	6.759	83	134912	4.356	ug/L	96
37) 1,2-Dichloropropane	6.788	63	92875	4.672	ug/L	100
38) Bromodichloromethane	7.103	83	115414	4.955	ug/L	95
39) cis-1,3-Dichloropropene	7.605	75	127096	4.790	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	438065	48.582	ug/L	99
42) Toluene	7.965	91	391884	4.834	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	101112	4.763	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	68172	4.891	ug/L	99
47) Tetrachloroethene	8.550	164	72585	4.706	ug/L	98
48) 2-Hexanone	8.682	43	341287	48.836	ug/L	98
49) Dibromochloromethane	8.808	129	70789	4.845	ug/L	96
50) 1,2-Dibromoethane	8.920	107	63097	4.878	ug/L	100
51) Chlorobenzene	9.444	112	242176	4.664	ug/L	99
52) Ethylbenzene	9.566	91	411655	4.736	ug/L	99
53) m,p-Xylene	9.692	106	157472	4.835	ug/L	96
54) o-Xylene	10.097	106	153659	4.852	ug/L	95
55) Styrene	10.113	104	253467	4.950	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	74826	4.756	ug/L	99
59) Bromoform	10.287	173	38665	4.863	ug/L	97
60) Isopropylbenzene	10.483	105	402923	4.713	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	55406	4.784	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	317300	4.641	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	308727	4.613	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	193745	4.733	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	191401	4.678	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	179631	4.786	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.997	75	9918	4.941	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	125963	4.468	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	97193	4.522	ug/L	98
71) Naphthalene	14.084	128	131639	4.231	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	82974	4.437	ug/L	98

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

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