

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121422\
 Data File : VU052408.D
 Acq On : 14 Dec 2022 18:18
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Quant Time: Dec 14 21:41:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 14 21:38:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	255244	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	262889	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	142249	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	73791	2.972	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.400%
7) Chloroethane-d5	1.916	69	66811	3.465	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.200%
11) 1,1-Dichloroethene-d2	2.568	65	31796	3.573	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.400%
20) 2-Butanone-d5	4.639	46	262359	58.298	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.600%
24) Chloroform-d	5.060	84	160649	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.700	65	81530	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.726	84	316727	4.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.687	67	103623	4.290	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.896	98	290485	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.176	79	36570	4.155	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.633	63	200414	53.729	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.460%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	102813	4.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	112601	4.135	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	101319	4.577	ug/L	99
3) Chloromethane	1.520	50	115228	3.988	ug/L	99
5) Vinyl chloride	1.607	62	126955	4.574	ug/L	98
6) Bromomethane	1.861	94	51867	3.641	ug/L	97
8) Chloroethane	1.938	64	76730	4.445	ug/L	95
9) Trichlorofluoromethane	2.141	101	144806	4.742	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	91383	4.895	ug/L	99
12) 1,1-Dichloroethene	2.581	96	88445	4.777	ug/L	89
13) Acetone	2.655	43	179396	58.703	ug/L	99
14) Carbon disulfide	2.797	76	285444	4.453	ug/L	100
15) Methyl Acetate	2.961	43	42495	5.361	ug/L	97
16) Methylene chloride	3.048	84	171626	6.851	ug/L	100
17) Methyl tert-butyl Ether	3.363	73	200924	4.847	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	93968	4.734	ug/L	97
19) 1,1-Dichloroethane	3.867	63	177853	4.972	ug/L	99
21) 2-Butanone	4.720	43	287330	58.662	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	102278	4.910	ug/L	96
23) Bromochloromethane	4.974	128	51165	5.134	ug/L	93
25) Chloroform	5.086	83	182384	5.031	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	113500	5.112	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	141385	4.847	ug/L	99
30) Cyclohexane	5.385	56	134325	4.743	ug/L	98
31) Carbon tetrachloride	5.523	117	114123	4.605	ug/L	99
33) Benzene	5.771	78	412942	4.827	ug/L	100
34) Trichloroethene	6.539	95	99730	4.673	ug/L	97
35) Methylcyclohexane	6.761	83	145199	4.730	ug/L	99
37) 1,2-Dichloropropane	6.787	63	108425	4.895	ug/L	99
38) Bromodichloromethane	7.102	83	128730	4.767	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	131355	4.619	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	642696	55.543	ug/L	100
42) Toluene	7.967	91	440531	5.006	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	116178	4.770	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	82897	4.980	ug/L	97
47) Tetrachloroethene	8.549	164	78811	4.819	ug/L	97
48) 2-Hexanone	8.681	43	491921	57.989	ug/L	99
49) Dibromochloromethane	8.806	129	94709	5.080	ug/L	97
50) 1,2-Dibromoethane	8.922	107	78147	5.154	ug/L	99
51) Chlorobenzene	9.443	112	267345	4.765	ug/L	99
52) Ethylbenzene	9.568	91	416241	4.865	ug/L	99
53) m,p-Xylene	9.690	106	165911	5.008	ug/L	98
54) o-Xylene	10.095	106	155823	4.907	ug/L	98
55) Styrene	10.112	104	270366	5.041	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	112179	5.395	ug/L	100
59) Bromoform	10.288	173	55692	4.753	ug/L	97
60) Isopropylbenzene	10.481	105	407449	4.560	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	76993	4.729	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	298519	4.179	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	305358	4.307	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	211958	4.646	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	210799	4.633	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	201474	4.586	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	15921	4.469	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	147319	4.554	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	116594	4.733	ug/L	99
71) Naphthalene	14.082	128	199778	4.319	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	114800	4.736	ug/L	99

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

