

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122623\
 Data File : VU057235.D
 Acq On : 26 Dec 2023 14:29
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Quant Time: Dec 26 23:36:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 23 00:27:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	170084	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	169371	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	91977	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	90440	5.563	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	111.200%	
7) Chloroethane-d5	1.911	69	69006	5.157	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	103.200%	
11) 1,1-Dichloroethene-d2	2.563	65	34405	4.885	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	97.600%	
20) 2-Butanone-d5	4.624	46	130989	51.319	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	102.640%	
24) Chloroform-d	5.055	84	142149	4.528	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.600%	
26) 1,2-Dichloroethane-d4	5.695	65	67907	4.539	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.800%	
32) Benzene-d6	5.721	84	267227	4.600	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.000%	
36) 1,2-Dichloropropane-d6	6.685	67	79361	4.801	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	96.000%	
41) Toluene-d8	7.891	98	247140	4.660	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.200%	
43) trans-1,3-Dichloroprop...	8.174	79	33966	4.936	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	98.800%	
46) 2-Hexanone-d5	8.627	63	110468	47.148	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	94.300%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58724	4.992	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.800%	
66) 1,2-Dichlorobenzene-d4	12.187	152	81809	4.133	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	82.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	72524	4.560	ug/L	99
3) Chloromethane	1.515	50	75071	5.386	ug/L	97
5) Vinyl chloride	1.602	62	80340	5.403	ug/L	99
6) Bromomethane	1.856	94	41794	6.427	ug/L	95
8) Chloroethane	1.933	64	49602	5.255	ug/L	99
9) Trichlorofluoromethane	2.136	101	125481	4.593	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	70031	4.951	ug/L	97
12) 1,1-Dichloroethene	2.576	96	58982	4.638	ug/L	97
13) Acetone	2.641	43	83218	54.227	ug/L	98
14) Carbon disulfide	2.789	76	174814	4.369	ug/L	99
15) Methyl Acetate	2.949	43	20398	5.636	ug/L	99
16) Methylene chloride	3.039	84	68277	4.619	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	133270	4.935	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	60090	4.846	ug/L	94
19) 1,1-Dichloroethane	3.862	63	122829	4.991	ug/L	99
21) 2-Butanone	4.702	43	126930	54.271	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	65387	4.788	ug/L	92
23) Bromochloromethane	4.972	128	28888	4.882	ug/L	94
25) Chloroform	5.081	83	135988	4.899	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	78210	4.776	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	120154	4.464	ug/L	99
30) Cyclohexane	5.380	56	88039	4.838	ug/L	95
31) Carbon tetrachloride	5.518	117	101941	4.305	ug/L	98
33) Benzene	5.769	78	263435	4.907	ug/L	100
34) Trichloroethene	6.538	95	71441	4.550	ug/L	97
35) Methylcyclohexane	6.756	83	94624	4.578	ug/L	95
37) 1,2-Dichloropropane	6.785	63	67550	5.058	ug/L	99
38) Bromodichloromethane	7.100	83	93985	4.864	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	97147	4.835	ug/L	95
40) 4-Methyl-2-pentanone	7.785	43	310305	53.445	ug/L	98
42) Toluene	7.965	91	281149	4.941	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	83354	4.861	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	47735	5.180	ug/L	94
47) Tetrachloroethene	8.547	164	51645	4.590	ug/L	97
48) 2-Hexanone	8.679	43	225686	52.832	ug/L	98
49) Dibromochloromethane	8.804	129	57250	4.793	ug/L	97
50) 1,2-Dibromoethane	8.917	107	43540	5.033	ug/L	97
51) Chlorobenzene	9.441	112	176377	4.762	ug/L	99
52) Ethylbenzene	9.566	91	298518	4.656	ug/L	96
53) m,p-Xylene	9.689	106	113651	4.846	ug/L	97
54) o-Xylene	10.094	106	105832	4.677	ug/L	99
55) Styrene	10.110	104	185424	4.968	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	56589	5.093	ug/L	98
59) Bromoform	10.287	173	32575	4.615	ug/L	96
60) Isopropylbenzene	10.480	105	300441	4.430	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	39285	4.584	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	236894	4.263	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	237056	4.323	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	147058	4.588	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	141940	4.399	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	128719	4.490	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	8390	4.316	ug/L	99
69) 1,3,5-Trichlorobenzene	13.213	180	104942	4.401	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	78303	4.194	ug/L	98
71) Naphthalene	14.081	128	101609	4.302	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	64706	4.443	ug/L	96

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

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