

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120523\
 Data File : VU056650.D
 Acq On : 05 Dec 2023 10:43
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005185

Quant Time: Dec 06 01:39:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 30 22:25:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	283943	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	279785	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	143544	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	85237	4.013	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.911	69	70709	4.342	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.563	65	39639	4.229	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	4.621	46	248169	58.601	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.200%
24) Chloroform-d	5.058	84	205472	5.002	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.695	65	96422	5.080	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.724	84	371702	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
36) 1,2-Dichloropropane-d6	6.685	67	117004	4.657	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.894	98	319181	4.336	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	8.177	79	43944	4.561	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.631	63	198901	52.529	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.060%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	92546	5.155	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	113738	4.289	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	89732	3.989	ug/L	96
3) Chloromethane	1.518	50	93724	4.077	ug/L	96
5) Vinyl chloride	1.602	62	96479	4.356	ug/L	95
6) Bromomethane	1.856	94	54141	4.829	ug/L	97
8) Chloroethane	1.930	64	58672	4.336	ug/L	96
9) Trichlorofluoromethane	2.136	101	159162	4.986	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	105686	5.577	ug/L	98
12) 1,1-Dichloroethene	2.576	96	86178	4.958	ug/L	98
13) Acetone	2.631	43	177650	49.253	ug/L	100
14) Carbon disulfide	2.792	76	209978	3.712	ug/L	98
15) Methyl Acetate	2.949	43	34368	5.354	ug/L	99
16) Methylene chloride	3.042	84	106553	4.632	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	231506	5.482	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	88979	4.975	ug/L	96
19) 1,1-Dichloroethane	3.862	63	193270	5.456	ug/L	99
21) 2-Butanone	4.702	43	237761	50.801	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	107678	5.309	ug/L	96
23) Bromochloromethane	4.968	128	44997	5.390	ug/L	95
25) Chloroform	5.081	83	207391	5.403	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	119420	5.480	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	175984	5.480	ug/L	100
30) Cyclohexane	5.383	56	134883	4.425	ug/L	100
31) Carbon tetrachloride	5.521	117	146286	5.303	ug/L	96
33) Benzene	5.769	78	408080	5.112	ug/L	100
34) Trichloroethene	6.537	95	112828	5.187	ug/L	98
35) Methylcyclohexane	6.759	83	142751	4.546	ug/L	96
37) 1,2-Dichloropropane	6.785	63	113045	5.430	ug/L	99
38) Bromodichloromethane	7.100	83	144353	5.371	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	158840	5.192	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	558373	54.106	ug/L	99
42) Toluene	7.965	91	429577	5.198	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	132169	5.420	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	77521	5.591	ug/L	99
47) Tetrachloroethene	8.550	164	75222	5.129	ug/L	98
48) 2-Hexanone	8.682	43	425002	52.863	ug/L	99
49) Dibromochloromethane	8.804	129	88547	5.616	ug/L	98
50) 1,2-Dibromoethane	8.920	107	68593	5.240	ug/L	99
51) Chlorobenzene	9.444	112	281193	5.295	ug/L	99
52) Ethylbenzene	9.566	91	487714	5.314	ug/L	99
53) m,p-Xylene	9.692	106	180357	5.345	ug/L	97
54) o-Xylene	10.097	106	177883	5.428	ug/L	100
55) Styrene	10.110	104	299859	5.500	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	94366	5.574	ug/L	95
59) Bromoform	10.287	173	50468	5.644	ug/L	99
60) Isopropylbenzene	10.479	105	494160	5.338	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	64930	5.272	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	399441	5.255	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	402182	5.360	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	229488	5.450	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	220456	5.219	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	205242	5.313	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	13102	4.980	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	173296	5.466	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	135120	5.233	ug/L	99
71) Naphthalene	14.084	128	178477	4.574	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	111831	5.257	ug/L	94

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

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