

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110723\
 Data File : VU056094.D
 Acq On : 07 Nov 2023 12:03
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

Quant Time: Nov 08 00:34:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 00:28:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	393699	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	380685	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	189529	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	120159	4.917	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.908	69	86579	5.221	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.400%
11) 1,1-Dichloroethene-d2	2.560	65	54035	5.019	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.618	46	208021	51.888	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.780%
24) Chloroform-d	5.059	84	232085	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.695	65	102006	4.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.721	84	472457	5.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
36) 1,2-Dichloropropane-d6	6.685	67	135361	5.029	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.894	98	438007	5.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
43) trans-1,3-Dichloroprop...	8.177	79	51616	5.017	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.400%
46) 2-Hexanone-d5	8.628	63	182244	54.047	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.100%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	98890	5.148	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	145452	4.977	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	180786	5.415	ug/L	98
3) Chloromethane	1.515	50	160754	5.140	ug/L	96
5) Vinyl chloride	1.602	62	173457	5.361	ug/L	99
6) Bromomethane	1.853	94	95492	5.138	ug/L	96
8) Chloroethane	1.927	64	95509	5.444	ug/L	99
9) Trichlorofluoromethane	2.133	101	228464	5.338	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	147041	5.393	ug/L	98
12) 1,1-Dichloroethene	2.576	96	138224	5.463	ug/L	96
13) Acetone	2.628	43	150179	50.795	ug/L	99
14) Carbon disulfide	2.789	76	459404	5.328	ug/L	99
15) Methyl Acetate	2.949	43	42091	5.045	ug/L	99
16) Methylene chloride	3.039	84	150265	5.179	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	307229	5.389	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	142806	5.326	ug/L	99
19) 1,1-Dichloroethane	3.862	63	255720	5.228	ug/L	97
21) 2-Butanone	4.698	43	266781	54.714	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	154924	5.352	ug/L	97
23) Bromochloromethane	4.972	128	67957	5.291	ug/L	93
25) Chloroform	5.081	83	268604	5.154	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	152027	5.154	ug/L	98
29) 1,1,1-Trichloroethane	5.313	97	233734	5.359	ug/L	100
30) Cyclohexane	5.383	56	228823	5.616	ug/L	98
31) Carbon tetrachloride	5.518	117	210011	5.423	ug/L	100
33) Benzene	5.769	78	595831	5.466	ug/L	100
34) Trichloroethene	6.538	95	162797	5.468	ug/L	97
35) Methylcyclohexane	6.759	83	245645	5.551	ug/L	99
37) 1,2-Dichloropropane	6.785	63	149691	5.281	ug/L	100
38) Bromodichloromethane	7.100	83	182899	5.167	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	215957	5.398	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	675767	54.502	ug/L	100
42) Toluene	7.965	91	636715	5.541	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	173790	5.365	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	106086	5.474	ug/L	99
47) Tetrachloroethene	8.550	164	122868	5.498	ug/L	97
48) 2-Hexanone	8.679	43	495328	54.869	ug/L	98
49) Dibromochloromethane	8.804	129	118574	5.333	ug/L	97
50) 1,2-Dibromoethane	8.920	107	96145	5.310	ug/L #	100
51) Chlorobenzene	9.444	112	395885	5.340	ug/L	99
52) Ethylbenzene	9.566	91	695880	5.557	ug/L	100
53) m,p-Xylene	9.692	106	267072	5.608	ug/L	97
54) o-Xylene	10.097	106	256462	5.617	ug/L	95
55) Styrene	10.113	104	434567	5.818	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	123309	5.415	ug/L	98
59) Bromoform	10.287	173	69483	5.279	ug/L	98
60) Isopropylbenzene	10.480	105	690635	5.620	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	85860	5.248	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	555377	5.573	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	557757	5.706	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	324790	5.581	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	312203	5.425	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	290451	5.416	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	17992	5.214	ug/L	93
69) 1,3,5-Trichlorobenzene	13.213	180	240352	5.514	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	197324	5.706	ug/L	100
71) Naphthalene	14.084	128	306486	5.975	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	172684	5.696	ug/L	98

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

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