

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092123\
 Data File : VU055438.D
 Acq On : 21 Sep 2023 09:18
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

Quant Time: Sep 22 02:29:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	278119	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	281468	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	150898	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	115932	4.124	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.911	69	104644	4.224	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.563	65	50586	4.372	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.634	46	248124	48.870	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.740%
24) Chloroform-d	5.058	84	246961	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.698	65	121248	4.958	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	478410	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.688	67	142031	4.828	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.894	98	433955	4.836	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.177	79	53487	5.181	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.631	63	147883	47.097	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	108836	4.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	146075	4.796	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	119591	4.417	ug/L	99
3) Chloromethane	1.515	50	108850	4.570	ug/L	98
5) Vinyl chloride	1.602	62	115677	4.501	ug/L	99
6) Bromomethane	1.856	94	74866	4.587	ug/L	100
8) Chloroethane	1.933	64	73257	4.369	ug/L	94
9) Trichlorofluoromethane	2.136	101	165245	4.637	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	100009	4.612	ug/L	98
12) 1,1-Dichloroethene	2.576	96	92577	4.761	ug/L	99
13) Acetone	2.644	43	132008	45.612	ug/L	98
14) Carbon disulfide	2.788	76	272443	4.661	ug/L	98
15) Methyl Acetate	2.956	43	29299	4.440	ug/L	100
16) Methylene chloride	3.042	84	100132	4.298	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	194239	4.605	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	91027	4.644	ug/L	98
19) 1,1-Dichloroethane	3.865	63	167331	4.617	ug/L	97
21) 2-Butanone	4.714	43	191830	45.192	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	100844	4.438	ug/L	97
23) Bromochloromethane	4.971	128	44972	4.682	ug/L	97
25) Chloroform	5.084	83	181368	4.726	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	109836	4.667	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	158284	4.933	ug/L	99
30) Cyclohexane	5.386	56	134407	4.576	ug/L	98
31) Carbon tetrachloride	5.521	117	136987	4.981	ug/L	96
33) Benzene	5.772	78	390449	4.820	ug/L	100
34) Trichloroethene	6.541	95	109863	4.794	ug/L	96
35) Methylcyclohexane	6.762	83	153822	4.660	ug/L	99
37) 1,2-Dichloropropane	6.788	63	97273	4.591	ug/L	99
38) Bromodichloromethane	7.103	83	123775	4.985	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	140373	4.964	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	450533	46.878	ug/L	100
42) Toluene	7.965	91	427032	4.942	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	112581	4.976	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	69426	4.674	ug/L	96
47) Tetrachloroethene	8.550	164	81347	4.949	ug/L	98
48) 2-Hexanone	8.682	43	356359	47.843	ug/L	98
49) Dibromochloromethane	8.807	129	78144	5.018	ug/L	95
50) 1,2-Dibromoethane	8.920	107	67814	4.919	ug/L	98
51) Chlorobenzene	9.444	112	264868	4.786	ug/L	99
52) Ethylbenzene	9.569	91	443850	4.791	ug/L	98
53) m,p-Xylene	9.692	106	169621	4.886	ug/L	95
54) o-Xylene	10.097	106	161800	4.794	ug/L	99
55) Styrene	10.113	104	272974	5.002	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	77770	4.637	ug/L	98
59) Bromoform	10.290	173	41564	5.139	ug/L	99
60) Isopropylbenzene	10.483	105	436231	5.016	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	58123	4.934	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	341737	4.914	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	333540	4.900	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	206664	4.963	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	200406	4.816	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	186554	4.887	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	10834	5.306	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	134709	4.698	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	98835	4.521	ug/L	99
71) Naphthalene	14.087	128	129467	4.091	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	84902	4.463	ug/L	99

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

