

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062123\
 Data File : VU054631.D
 Acq On : 21 Jun 2023 09:30
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005193

Quant Time: Jun 22 02:39:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 21 04:02:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	326724	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	313037	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	160925	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	118720	5.710	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.200%
7) Chloroethane-d5	1.914	69	91471	4.699	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.567	65	45188	4.866	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	4.631	46	250711	42.885	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.760%
24) Chloroform-d	5.062	84	189836	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.698	65	90066	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	5.724	84	362643	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.686	67	120691	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.894	98	329553	4.267	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.177	79	45492	4.502	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.631	63	163402	38.541	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86521	3.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	106214	3.913	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	135064	4.424	ug/L	100
3) Chloromethane	1.522	50	151088	4.308	ug/L	99
5) Vinyl chloride	1.605	62	162427	4.512	ug/L	99
6) Bromomethane	1.859	94	86923	4.392	ug/L	99
8) Chloroethane	1.936	64	101402	4.700	ug/L	99
9) Trichlorofluoromethane	2.139	101	204315	4.617	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	126813	4.898	ug/L	98
12) 1,1-Dichloroethene	2.580	96	108979	4.599	ug/L	84
13) Acetone	2.644	43	264143	47.920	ug/L	98
14) Carbon disulfide	2.792	76	300332	4.274	ug/L	99
15) Methyl Acetate	2.953	43	54017	5.288	ug/L	95
16) Methylene chloride	3.046	84	129058	3.873	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	270284	4.621	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	110073	4.499	ug/L	98
19) 1,1-Dichloroethane	3.866	63	254511	5.026	ug/L	99
21) 2-Butanone	4.708	43	372988	52.139	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	133982	4.809	ug/L	98
23) Bromochloromethane	4.972	128	54712	4.719	ug/L	92
25) Chloroform	5.084	83	248019	4.968	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	145392	4.969	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	203552	4.795	ug/L	98
30) Cyclohexane	5.387	56	203230	4.396	ug/L	97
31) Carbon tetrachloride	5.522	117	173170	4.734	ug/L	99
33) Benzene	5.772	78	523439	4.653	ug/L	100
34) Trichloroethene	6.541	95	135110	4.542	ug/L	92
35) Methylcyclohexane	6.759	83	192250	4.275	ug/L	96
37) 1,2-Dichloropropane	6.785	63	151541	4.982	ug/L	100
38) Bromodichloromethane	7.100	83	174338	5.063	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	199426	4.802	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	836046	51.502	ug/L	96
42) Toluene	7.965	91	551611	4.761	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	166128	4.929	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	95440	4.932	ug/L	99
47) Tetrachloroethene	8.550	164	95789	4.206	ug/L	98
48) 2-Hexanone	8.679	43	612596	50.647	ug/L	96
49) Dibromochloromethane	8.804	129	100502	4.946	ug/L	94
50) 1,2-Dibromoethane	8.920	107	84205	4.740	ug/L	98
51) Chlorobenzene	9.444	112	331713	4.593	ug/L	97
52) Ethylbenzene	9.566	91	584615	4.620	ug/L	100
53) m,p-Xylene	9.689	106	216572	4.659	ug/L	95
54) o-Xylene	10.097	106	209008	4.650	ug/L	97
55) Styrene	10.110	104	364431	4.830	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	122214	4.972	ug/L	100
59) Bromoform	10.287	173	59965	5.190	ug/L	100
60) Isopropylbenzene	10.480	105	582789	4.950	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	80829	4.970	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	450274	4.688	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	459512	4.710	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	269011	4.889	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	265822	4.813	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	243353	4.808	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	19344	5.413	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.213	180	202318	4.873	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	156992	4.573	ug/L	99
71) Naphthalene	14.081	128	230915	4.136	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	136947	4.643	ug/L	99

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

