

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061923\
 Data File : VU054584.D
 Acq On : 19 Jun 2023 09:38
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005189

Quant Time: Jun 20 05:51:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	252978	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	239216	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129022	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	57849	3.593	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.800%
7) Chloroethane-d5	1.914	69	75133	4.984	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.567	65	27571	3.834	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.628	46	237375	52.440	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.880%
24) Chloroform-d	5.059	84	177145	5.264	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.200%
26) 1,2-Dichloroethane-d4	5.698	65	83045	5.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.724	84	318291	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.685	67	112942	5.086	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.894	98	273439	4.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.177	79	34386	4.453	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.631	63	168490	52.005	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.000%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	85051	5.136	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	102603	4.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	121529	5.141	ug/L	99
3) Chloromethane	1.518	50	134209	4.942	ug/L	99
5) Vinyl chloride	1.602	62	146757	5.265	ug/L	99
6) Bromomethane	1.859	94	81374	5.310	ug/L	99
8) Chloroethane	1.933	64	91320	5.466	ug/L	100
9) Trichlorofluoromethane	2.139	101	196897	5.746	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	115839	5.779	ug/L	97
12) 1,1-Dichloroethene	2.580	96	101838	5.550	ug/L	96
13) Acetone	2.641	43	186741	43.754	ug/L	98
14) Carbon disulfide	2.792	76	278228	5.113	ug/L	99
15) Methyl Acetate	2.953	43	42829	5.415	ug/L	100
16) Methylene chloride	3.043	84	117386	4.550	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	244450	5.397	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	101571	5.361	ug/L	99
19) 1,1-Dichloroethane	3.866	63	221811	5.658	ug/L	99
21) 2-Butanone	4.708	43	278345	50.251	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	118768	5.505	ug/L	96
23) Bromochloromethane	4.972	128	51347	5.720	ug/L	88
25) Chloroform	5.084	83	221154	5.722	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	126251	5.573	ug/L	98
29) 1,1,1-Trichloroethane	5.313	97	185543	5.720	ug/L	98
30) Cyclohexane	5.386	56	175409	4.965	ug/L	96
31) Carbon tetrachloride	5.522	117	161275	5.770	ug/L	99
33) Benzene	5.769	78	465143	5.410	ug/L	100
34) Trichloroethene	6.541	95	124526	5.477	ug/L	98
35) Methylcyclohexane	6.759	83	182870	5.322	ug/L	97
37) 1,2-Dichloropropane	6.788	63	126571	5.445	ug/L	99
38) Bromodichloromethane	7.100	83	152481	5.795	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	177804	5.603	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	643152	51.846	ug/L	99
42) Toluene	7.965	91	501209	5.661	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	144910	5.626	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	84067	5.685	ug/L	97
47) Tetrachloroethene	8.550	164	97093	5.579	ug/L	97
48) 2-Hexanone	8.679	43	460354	49.805	ug/L	99
49) Dibromochloromethane	8.804	129	93898	6.047	ug/L	99
50) 1,2-Dibromoethane	8.920	107	76711	5.650	ug/L #	98
51) Chlorobenzene	9.444	112	313150	5.674	ug/L	97
52) Ethylbenzene	9.566	91	539037	5.575	ug/L	99
53) m,p-Xylene	9.692	106	203738	5.736	ug/L	98
54) o-Xylene	10.097	106	198390	5.775	ug/L	99
55) Styrene	10.110	104	338672	5.874	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	103170	5.492	ug/L	96
59) Bromoform	10.287	173	57172	6.172	ug/L	98
60) Isopropylbenzene	10.480	105	538432	5.705	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	68582	5.260	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	428748	5.568	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	437538	5.594	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	257414	5.835	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	255111	5.762	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	231344	5.701	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	15789	5.510	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	195963	5.887	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	153315	5.570	ug/L	100
71) Naphthalene	14.081	128	213437	4.769	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	128818	5.447	ug/L	98

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

