

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070323\
 Data File : VU054757.D
 Acq On : 03 Jul 2023 18:33
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005087

Quant Time: Jul 05 04:45:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 05 04:39:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	285811	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	276565	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	144802	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	66844	3.675	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.904	69	64141	3.766	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.560	65	28478	3.505	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.200%
20) 2-Butanone-d5	4.624	46	261818	51.196	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.400%
24) Chloroform-d	5.058	84	156299	4.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.698	65	79683	4.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	5.724	84	278363	3.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.400%
36) 1,2-Dichloropropane-d6	6.688	67	97862	3.812	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.200%
41) Toluene-d8	7.894	98	249995	3.664	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	8.177	79	37191	4.166	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.631	63	185109	49.418	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.840%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86582	4.522	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	96953	3.970	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	87150	3.263	ug/L	97
3) Chloromethane	1.518	50	113190	3.690	ug/L	99
5) Vinyl chloride	1.602	62	122431	3.888	ug/L	100
6) Bromomethane	1.849	94	63073	3.643	ug/L	95
8) Chloroethane	1.927	64	81703	4.329	ug/L	99
9) Trichlorofluoromethane	2.132	101	172617	4.459	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	98700	4.358	ug/L	97
12) 1,1-Dichloroethene	2.573	96	85127	4.106	ug/L	91
13) Acetone	2.631	43	184709	38.306	ug/L	98
14) Carbon disulfide	2.788	76	200635	3.264	ug/L	100
15) Methyl Acetate	2.949	43	46909	5.250	ug/L	96
16) Methylene chloride	3.042	84	130314	4.470	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	245950	4.807	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	85737	4.006	ug/L	98
19) 1,1-Dichloroethane	3.862	63	203319	4.590	ug/L	98
21) 2-Butanone	4.701	43	306595	48.993	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	109790	4.505	ug/L	97
23) Bromochloromethane	4.972	128	47422	4.676	ug/L	98
25) Chloroform	5.084	83	207003	4.740	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125920	4.919	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	171965	4.585	ug/L	99
30) Cyclohexane	5.383	56	143673	3.517	ug/L	99
31) Carbon tetrachloride	5.518	117	144658	4.476	ug/L	99
33) Benzene	5.769	78	414365	4.169	ug/L	100
34) Trichloroethene	6.537	95	108981	4.146	ug/L	94
35) Methylcyclohexane	6.759	83	137524	3.462	ug/L	97
37) 1,2-Dichloropropane	6.785	63	120655	4.489	ug/L	99
38) Bromodichloromethane	7.103	83	148661	4.887	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	163029	4.443	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	752818	52.491	ug/L	99
42) Toluene	7.965	91	455098	4.446	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	140591	4.721	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	85547	5.004	ug/L	96
47) Tetrachloroethene	8.550	164	81495	4.051	ug/L	98
48) 2-Hexanone	8.679	43	547622	51.245	ug/L	100
49) Dibromochloromethane	8.807	129	92897	5.175	ug/L	100
50) 1,2-Dibromoethane	8.920	107	76691	4.886	ug/L	98
51) Chlorobenzene	9.444	112	282251	4.424	ug/L	98
52) Ethylbenzene	9.566	91	473732	4.238	ug/L	99
53) m,p-Xylene	9.692	106	174930	4.260	ug/L	99
54) o-Xylene	10.097	106	172975	4.356	ug/L	100
55) Styrene	10.113	104	307744	4.617	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	111263	5.123	ug/L	99
59) Bromoform	10.286	173	58721	5.649	ug/L	97
60) Isopropylbenzene	10.483	105	482747	4.557	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	74368	5.082	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	375746	4.348	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	391899	4.465	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	230224	4.650	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	226391	4.556	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	216729	4.759	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	17378	5.404	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	168152	4.501	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	137211	4.442	ug/L	98
71) Naphthalene	14.084	128	221523	4.410	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	127077	4.788	ug/L	99

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

