

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061923\
 Data File : VU054610.D
 Acq On : 19 Jun 2023 20:47
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005190

Quant Time: Jun 20 05:54:30 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	6.245	114	247986	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	239343	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	132822	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	50696	3.212	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.914	69	74741	5.058	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.563	65	25671	3.642	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.800%
20) 2-Butanone-d5	4.628	46	325334	73.319	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	146.640%#
24) Chloroform-d	5.058	84	191166	5.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.800%
26) 1,2-Dichloroethane-d4	5.698	65	95742	5.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.000%
32) Benzene-d6	5.724	84	346279	5.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	6.685	67	123164	5.543	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.800%
41) Toluene-d8	7.894	98	294332	4.985	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	8.177	79	40221	5.205	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.200%
46) 2-Hexanone-d5	8.627	63	242707	74.872	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	149.740%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	106855	6.449	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	129.000%#
66) 1,2-Dichlorobenzene-d4	12.187	152	119753	5.345	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	110821	4.783	ug/L	99
3) Chloromethane	1.522	50	127649	4.795	ug/L	100
5) Vinyl chloride	1.602	62	139761	5.115	ug/L	99
6) Bromomethane	1.856	94	78108	5.200	ug/L	99
8) Chloroethane	1.933	64	86812	5.301	ug/L	97
9) Trichlorofluoromethane	2.136	101	187451	5.581	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	108139	5.503	ug/L	97
12) 1,1-Dichloroethene	2.576	96	94588	5.259	ug/L	97
13) Acetone	2.644	43	176873	42.276	ug/L	97
14) Carbon disulfide	2.792	76	258895	4.854	ug/L	99
15) Methyl Acetate	2.952	43	45448	5.862	ug/L	96
16) Methylene chloride	3.042	84	132003	5.219	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	251481	5.664	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	98467	5.302	ug/L	94
19) 1,1-Dichloroethane	3.862	63	207420	5.397	ug/L	99
21) 2-Butanone	4.708	43	298057	54.893	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	116376	5.503	ug/L	93
23) Bromochloromethane	4.972	128	50510	5.740	ug/L	92
25) Chloroform	5.084	83	211359	5.578	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	122690	5.524	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	179360	5.526	ug/L	99
30) Cyclohexane	5.383	56	164282	4.647	ug/L	95
31) Carbon tetrachloride	5.521	117	151699	5.424	ug/L	99
33) Benzene	5.769	78	442509	5.144	ug/L	100
34) Trichloroethene	6.537	95	116738	5.132	ug/L	94
35) Methylcyclohexane	6.759	83	162530	4.727	ug/L	99
37) 1,2-Dichloropropane	6.785	63	121664	5.231	ug/L	100
38) Bromodichloromethane	7.100	83	149679	5.685	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	166629	5.248	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	719944	58.006	ug/L	99
42) Toluene	7.965	91	480335	5.422	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	142139	5.516	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	86027	5.814	ug/L	96
47) Tetrachloroethene	8.550	164	88693	5.094	ug/L	97
48) 2-Hexanone	8.679	43	529072	57.209	ug/L	98
49) Dibromochloromethane	8.804	129	94900	6.108	ug/L	100
50) 1,2-Dibromoethane	8.920	107	79316	5.839	ug/L	99
51) Chlorobenzene	9.441	112	297846	5.394	ug/L	98
52) Ethylbenzene	9.566	91	516453	5.338	ug/L	100
53) m,p-Xylene	9.692	106	197124	5.547	ug/L	98
54) o-Xylene	10.097	106	189369	5.510	ug/L	100
55) Styrene	10.110	104	331357	5.744	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	110698	5.890	ug/L	97
59) Bromoform	10.286	173	59236	6.212	ug/L	100
60) Isopropylbenzene	10.479	105	522624	5.379	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	73048	5.442	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	412562	5.204	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	422634	5.249	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	254724	5.609	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	252641	5.543	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	231217	5.535	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	18010	6.106	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	190369	5.555	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	166355	5.871	ug/L	98
71) Naphthalene	14.081	128	269201	5.843	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	148143	6.085	ug/L	98

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

