

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054971.D
 Acq On : 29 Aug 2023 21:07
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005097

Quant Time: Aug 29 22:33:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 22:22:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	189564	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	180878	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	101869	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	26310	4.398	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.907	69	34835	4.507	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.563	65	15365	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.628	46	180149	55.781	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.560%
24) Chloroform-d	5.062	84	102711	4.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.701	65	56643	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.724	84	187702	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.689	67	65997	4.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.898	98	176523	4.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.180	79	21079	4.479	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.634	63	128153	57.374	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.740%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62174	5.070	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	73411	4.513	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	56136	4.779	ug/L	100
3) Chloromethane	1.518	50	60282	4.919	ug/L	96
5) Vinyl chloride	1.599	62	63130	4.962	ug/L	99
6) Bromomethane	1.853	94	33274	4.191	ug/L	96
8) Chloroethane	1.930	64	40968	4.897	ug/L	98
9) Trichlorofluoromethane	2.132	101	88742	4.902	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	49477	5.030	ug/L	95
12) 1,1-Dichloroethene	2.576	96	43171	5.043	ug/L	91
13) Acetone	2.637	43	93960	53.824	ug/L	97
14) Carbon disulfide	2.788	76	111421	4.700	ug/L	97
15) Methyl Acetate	2.952	43	19361	5.418	ug/L	96
16) Methylene chloride	3.042	84	54520	4.146	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	130813	5.251	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	46663	4.989	ug/L	91
19) 1,1-Dichloroethane	3.869	63	98221	5.006	ug/L	99
21) 2-Butanone	4.711	43	148894	55.662	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	56273	5.046	ug/L	91
23) Bromochloromethane	4.975	128	24302	5.036	ug/L	90
25) Chloroform	5.084	83	106232	4.936	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.795	62	66638	5.068	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	85777	4.771	ug/L	99
30) Cyclohexane	5.386	56	76345	4.790	ug/L	96
31) Carbon tetrachloride	5.521	117	71305	4.661	ug/L	100
33) Benzene	5.772	78	211495	4.957	ug/L	100
34) Trichloroethene	6.541	95	57000	4.820	ug/L	97
35) Methylcyclohexane	6.759	83	77567	4.433	ug/L	99
37) 1,2-Dichloropropane	6.791	63	56823	4.777	ug/L	100
38) Bromodichloromethane	7.103	83	70515	4.779	ug/L	98
39) cis-1,3-Dichloropropene	7.608	75	82810	4.831	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	372279	56.138	ug/L	98
42) Toluene	7.968	91	228642	4.829	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	67537	4.771	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	42512	5.295	ug/L	98
47) Tetrachloroethene	8.553	164	40239	4.735	ug/L	95
48) 2-Hexanone	8.682	43	283343	57.695	ug/L	97
49) Dibromochloromethane	8.807	129	44171	4.750	ug/L	96
50) 1,2-Dibromoethane	8.923	107	38334	4.960	ug/L	100
51) Chlorobenzene	9.444	112	147781	4.795	ug/L	97
52) Ethylbenzene	9.569	91	254929	4.774	ug/L	99
53) m,p-Xylene	9.692	106	93832	4.689	ug/L	98
54) o-Xylene	10.100	106	94027	4.901	ug/L	100
55) Styrene	10.113	104	157470	4.979	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.782	83	54306	5.468	ug/L	98
59) Bromoform	10.287	173	23475	4.639	ug/L	94
60) Isopropylbenzene	10.483	105	255136	4.666	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	40473	5.336	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	214442	4.569	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	205590	4.722	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	116489	4.578	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	116686	4.584	ug/L	97
67) 1,2-Dichlorobenzene	12.212	146	111361	4.802	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	7575	5.154	ug/L	91
69) 1,3,5-Trichlorobenzene	13.219	180	81796	4.822	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	62536	4.707	ug/L	99
71) Naphthalene	14.087	128	99416	4.974	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	55499	5.041	ug/L	99

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

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