

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052522.D
 Acq On : 23 Dec 2022 03:34
 Operator : JC/MD
 Sample : N6170-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

Quant Time: Dec 23 06:46:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	229932	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	211520	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	110334	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	78043	3.350	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.000%
7) Chloroethane-d5	1.916	69	75779	3.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.568	65	35367	3.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.633	46	388259	53.748	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.500%
24) Chloroform-d	5.060	84	158786	4.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
26) 1,2-Dichloroethane-d4	5.697	65	94305	4.137	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.726	84	320649	4.422	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.687	67	112786	4.518	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.893	98	282557	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.176	79	41679	4.876	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.629	63	296431	63.384	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.760%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	105790	4.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	102788	4.576	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	82743	4.044	ug/L	99
3) Chloromethane	1.520	50	121001	4.097	ug/L	100
5) Vinyl chloride	1.604	62	117103	4.374	ug/L	95
6) Bromomethane	1.861	94	59058	3.870	ug/L	96
8) Chloroethane	1.935	64	72940	3.978	ug/L	98
9) Trichlorofluoromethane	2.141	101	127417	4.210	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	72582	4.034	ug/L	97
12) 1,1-Dichloroethene	2.581	96	79839	4.636	ug/L	91
13) Acetone	2.652	43	268005	50.327	ug/L	98
14) Carbon disulfide	2.793	76	237865	4.287	ug/L	99
15) Methyl Acetate	2.957	43	73747	6.286	ug/L	94
16) Methylene chloride	3.044	84	101963	4.192	ug/L	99
17) Methyl tert-butyl Ether	3.359	73	241444	5.252	ug/L	# 89
18) trans-1,2-Dichloroethene	3.353	96	96479	5.436	ug/L	98
19) 1,1-Dichloroethane	3.867	63	174546	4.522	ug/L	99
21) 2-Butanone	4.713	43	433125	55.226	ug/L	94
22) cis-1,2-Dichloroethene	4.665	96	259648	13.331	ug/L	99
23) Bromochloromethane	4.973	128	42993	4.763	ug/L	97
25) Chloroform	5.086	83	165640	4.429	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	119327	4.619	ug/L	97
29) 1,1,1-Trichloroethane	5.314	97	129063	4.848	ug/L	96
30) Cyclohexane	5.385	56	155239	5.396	ug/L	99
31) Carbon tetrachloride	5.523	117	102905	4.399	ug/L	100
33) Benzene	5.771	78	394334	5.176	ug/L	100
34) Trichloroethene	6.539	95	3615967	203.019	ug/L	99
35) Methylcyclohexane	6.761	83	141663	5.275	ug/L	95
37) 1,2-Dichloropropane	6.787	63	106005	4.986	ug/L	100
38) Bromodichloromethane	7.102	83	120609	4.661	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	141778	5.265	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	939243	60.457	ug/L	97
42) Toluene	7.967	91	396398	5.426	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	122761	5.174	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	77566	5.151	ug/L	99
47) Tetrachloroethene	8.552	164	1628169	130.960	ug/L	98
48) 2-Hexanone	8.681	43	681567	58.201	ug/L	98
49) Dibromochloromethane	8.806	129	80209	5.031	ug/L	97
50) 1,2-Dibromoethane	8.919	107	72784	5.317	ug/L #	99
51) Chlorobenzene	9.443	112	233781	5.012	ug/L	99
52) Ethylbenzene	9.565	91	399121	5.280	ug/L	99
53) m,p-Xylene	9.690	106	157481	5.649	ug/L	98
54) o-Xylene	10.095	106	159414	5.966	ug/L	99
55) Styrene	10.111	104	257971	5.549	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	112998	5.429	ug/L	100
59) Bromoform	10.285	173	47525	4.903	ug/L	98
60) Isopropylbenzene	10.478	105	378966	5.299	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	80031	5.057	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	314199	5.327	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	329506	5.550	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	174539	4.919	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	179070	4.880	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	173482	4.948	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	19288	5.385	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	126842	4.855	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	116850	5.315	ug/L	97
71) Naphthalene	14.082	128	274622	6.174	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	116370	5.281	ug/L	99

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

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