

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054987.D
 Acq On : 30 Aug 2023 04:31
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005098

Quant Time: Aug 30 04:46:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 30 01:18:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	173791	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	166809	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	91001	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	25227	4.599	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.908	69	32211	4.545	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.560	65	15182	4.897	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.000%
20) 2-Butanone-d5	4.644	46	190221	64.246	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.500%
24) Chloroform-d	5.059	84	103202	5.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.698	65	56807	5.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.724	84	184675	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.689	67	65168	4.942	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.894	98	169351	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.181	79	18513	4.266	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.634	63	133479	64.799	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.600%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62643	5.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	74017	5.094	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	57054	5.298	ug/L	98
3) Chloromethane	1.515	50	59240	5.272	ug/L	100
5) Vinyl chloride	1.599	62	63697	5.461	ug/L	99
6) Bromomethane	1.853	94	21853	3.003	ug/L	100
8) Chloroethane	1.930	64	39962	5.210	ug/L	99
9) Trichlorofluoromethane	2.133	101	91127	5.490	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	49175	5.453	ug/L	95
12) 1,1-Dichloroethene	2.573	96	46424	5.916	ug/L	95
13) Acetone	2.663	43	85745	53.576	ug/L	97
14) Carbon disulfide	2.789	76	114495	5.268	ug/L	98
15) Methyl Acetate	2.962	43	20088	6.131	ug/L	92
16) Methylene chloride	3.043	84	56336	4.673	ug/L	99
17) Methyl tert-butyl Ether	3.364	73	131761	5.769	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	46239	5.392	ug/L	89
19) 1,1-Dichloroethane	3.866	63	100160	5.568	ug/L	98
21) 2-Butanone	4.724	43	151178	61.645	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	57170	5.592	ug/L	93
23) Bromochloromethane	4.972	128	24532	5.545	ug/L	95
25) Chloroform	5.084	83	103886	5.265	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	67925	5.634	ug/L	98
29) 1,1,1-Trichloroethane	5.313	97	89645	5.406	ug/L	98
30) Cyclohexane	5.383	56	77050	5.242	ug/L	96
31) Carbon tetrachloride	5.522	117	72123	5.112	ug/L	100
33) Benzene	5.772	78	214361	5.448	ug/L	100
34) Trichloroethene	6.541	95	57880	5.307	ug/L	98
35) Methylcyclohexane	6.759	83	77366	4.795	ug/L	99
37) 1,2-Dichloropropane	6.788	63	57440	5.236	ug/L	98
38) Bromodichloromethane	7.103	83	70726	5.197	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	78553	4.969	ug/L	97
40) 4-Methyl-2-pentanone	7.792	43	383895	62.772	ug/L	99
42) Toluene	7.968	91	229549	5.257	ug/L	97
44) trans-1,3-Dichloropropene	8.210	75	63461	4.861	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	42632	5.758	ug/L	91
47) Tetrachloroethene	8.550	164	40513	5.170	ug/L	95
48) 2-Hexanone	8.685	43	288985	63.806	ug/L	99
49) Dibromochloromethane	8.808	129	44927	5.238	ug/L	93
50) 1,2-Dibromoethane	8.923	107	40044	5.619	ug/L	96
51) Chlorobenzene	9.444	112	152179	5.355	ug/L	98
52) Ethylbenzene	9.570	91	254162	5.161	ug/L	98
53) m,p-Xylene	9.692	106	96075	5.206	ug/L	97
54) o-Xylene	10.097	106	95612	5.404	ug/L	96
55) Styrene	10.113	104	159914	5.483	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.782	83	55607	6.071	ug/L	99
59) Bromoform	10.287	173	24014	5.312	ug/L	95
60) Isopropylbenzene	10.483	105	256781	5.256	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	40184	5.931	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	213348	5.088	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	204638	5.261	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	119990	5.279	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	119190	5.242	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	112230	5.417	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	8015	6.105	ug/L	97
69) 1,3,5-Trichlorobenzene	13.219	180	81131	5.354	ug/L	99
70) 1,2,4-trichlorobenzene	13.840	180	63287	5.332	ug/L	97
71) Naphthalene	14.087	128	101944	5.709	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	58270	5.925	ug/L	99

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

