

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120623\
 Data File : VU056674.D
 Acq On : 06 Dec 2023 19:22
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005188

Quant Time: Dec 07 04:56:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 07 04:51:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	243666	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	245976	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	125102	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	73115	4.012	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.911	69	62853	4.498	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.563	65	33298	4.140	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.624	46	235186	64.715	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.440%
24) Chloroform-d	5.055	84	181352	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.695	65	85959	5.277	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.721	84	326263	4.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.685	67	104038	4.710	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.894	98	285712	4.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.177	79	39820	4.701	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.627	63	183768	55.203	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.400%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	86805	5.500	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	103032	4.458	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	73151	3.789	ug/L	96
3) Chloromethane	1.515	50	76566	3.881	ug/L	99
5) Vinyl chloride	1.602	62	82428	4.336	ug/L	95
6) Bromomethane	1.856	94	48057	4.995	ug/L	99
8) Chloroethane	1.933	64	54490	4.693	ug/L	93
9) Trichlorofluoromethane	2.136	101	137268	5.011	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	89730	5.518	ug/L	98
12) 1,1-Dichloroethene	2.576	96	72818	4.882	ug/L	96
13) Acetone	2.637	43	131345	42.435	ug/L	99
14) Carbon disulfide	2.789	76	162898	3.356	ug/L	99
15) Methyl Acetate	2.949	43	32722	5.941	ug/L	99
16) Methylene chloride	3.039	84	95395	4.833	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	212446	5.862	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	76176	4.964	ug/L	99
19) 1,1-Dichloroethane	3.862	63	175777	5.782	ug/L	98
21) 2-Butanone	4.705	43	208899	52.012	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	94579	5.434	ug/L	99
23) Bromochloromethane	4.968	128	40476	5.650	ug/L	94
25) Chloroform	5.081	83	185443	5.630	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	109225	5.841	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	157524	5.579	ug/L	99
30) Cyclohexane	5.383	56	108164	4.036	ug/L	100
31) Carbon tetrachloride	5.518	117	128462	5.297	ug/L	98
33) Benzene	5.769	78	355937	5.071	ug/L	100
34) Trichloroethene	6.538	95	96369	5.039	ug/L	97
35) Methylcyclohexane	6.756	83	114069	4.132	ug/L	95
37) 1,2-Dichloropropane	6.785	63	100166	5.473	ug/L	100
38) Bromodichloromethane	7.100	83	131669	5.572	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	138594	5.153	ug/L	94
40) 4-Methyl-2-pentanone	7.785	43	518271	57.123	ug/L	100
42) Toluene	7.965	91	382978	5.271	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	118266	5.516	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	71906	5.899	ug/L	96
47) Tetrachloroethene	8.547	164	67674	5.248	ug/L	98
48) 2-Hexanone	8.679	43	378074	53.489	ug/L	98
49) Dibromochloromethane	8.804	129	82276	5.935	ug/L	98
50) 1,2-Dibromoethane	8.917	107	62058	5.393	ug/L	98
51) Chlorobenzene	9.441	112	254395	5.449	ug/L	99
52) Ethylbenzene	9.566	91	430155	5.331	ug/L	99
53) m,p-Xylene	9.689	106	162812	5.489	ug/L	95
54) o-Xylene	10.097	106	157363	5.461	ug/L	97
55) Styrene	10.110	104	270236	5.638	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	88274	5.931	ug/L	99
59) Bromoform	10.283	173	46797	6.005	ug/L	98
60) Isopropylbenzene	10.480	105	431252	5.345	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	61381	5.718	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	344222	5.196	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	345451	5.283	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	200797	5.471	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	197264	5.359	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	185804	5.518	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	12242	5.339	ug/L	84
69) 1,3,5-Trichlorobenzene	13.213	180	147724	5.346	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	109733	4.876	ug/L	98
71) Naphthalene	14.081	128	146885	4.320	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	90526	4.883	ug/L	98

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

