

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082523\
 Data File : VV031923.D
 Acq On : 25 Aug 2023 09:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050283

Quant Time: Aug 26 00:48:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	249318	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	238842	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	125611	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	66168	42.407	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.820%
7) Chloroethane-d5	1.532	69	63579	46.483	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.960%
11) 1,1-Dichloroethene-d2	2.059	65	32404	44.351	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.700%
21) 2-Butanone-d5	3.796	46	116271	94.746	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.750%
24) Chloroform-d	4.249	84	161651	47.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.944	65	103755	45.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
32) Benzene-d6	4.960	84	319828	49.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
36) 1,2-Dichloropropane-d6	5.989	67	107049	51.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.060%
41) Toluene-d8	7.246	98	284224	47.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.660%
43) trans-1,3-Dichloroprop...	7.554	79	44389	40.827	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.660%
47) 2-Hexanone-d5	8.027	63	58461	90.928	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.930%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	139506	51.465	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.920%
66) 1,2-Dichlorobenzene-d4	11.564	152	109338	47.750	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71058	46.817	ug/L	98
3) Chloromethane	1.217	50	78033	50.419	ug/L	100
5) Vinyl chloride	1.285	62	85081	51.475	ug/L	99
6) Bromomethane	1.490	94	45102	46.345	ug/L	97
8) Chloroethane	1.551	64	57801	52.620	ug/L	97
9) Trichlorofluoromethane	1.715	101	114563	47.548	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	70139	48.213	ug/L	98
12) 1,1-Dichloroethene	2.072	96	64530	49.385	ug/L	85
13) Acetone	2.127	43	83748	76.674	ug/L	100
14) Carbon disulfide	2.243	76	156345	52.511	ug/L	100
15) Methyl Acetate	2.378	43	124495	63.908	ug/L	100
16) Methylene chloride	2.449	84	86238	51.358	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	72220	50.413	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	309049	51.045	ug/L	98
19) 1,1-Dichloroethane	3.114	63	166249	51.784	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	92210	51.305	ug/L	98
22) 2-Butanone	3.876	43	127691	88.348	ug/L	97
23) Bromochloromethane	4.149	128	44066	50.536	ug/L	97
25) Chloroform	4.278	83	165362	49.540	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	130638	49.678	ug/L	97
29) Cyclohexane	4.583	56	134343	54.022	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	139265	49.989	ug/L	100
31) Carbon tetrachloride	4.738	117	113945	48.167	ug/L	98
33) Benzene	5.011	78	337965	52.663	ug/L	100
34) Trichloroethene	5.834	95	96024	48.925	ug/L	99
35) Methylcyclohexane	6.053	83	129184	49.485	ug/L	98
37) 1,2-Dichloropropane	6.095	63	98015	53.884	ug/L	100
38) Bromodichloromethane	6.432	83	128636	49.822	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	139446	44.093	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	295417	102.322	ug/L	99
42) Toluene	7.316	91	364941	51.696	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	127738	42.038	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	93218	50.725	ug/L	99
46) Tetrachloroethene	7.908	164	60305	48.934	ug/L	99
48) 2-Hexanone	8.079	43	195057	88.469	ug/L	99
49) Dibromochloromethane	8.178	129	94935	50.272	ug/L	97
50) 1,2-Dibromoethane	8.284	107	95398	49.562	ug/L	99
51) Chlorobenzene	8.815	112	234915	50.080	ug/L	99
52) Ethylbenzene	8.947	91	421867	50.450	ug/L	99
53) m,p-Xylene	9.075	106	154381	49.723	ug/L	99
54) o-Xylene	9.480	106	153045	49.561	ug/L	100
55) Styrene	9.496	104	275228	50.417	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	138400	53.200	ug/L	99
59) Bromoform	9.667	173	66676	51.188	ug/L	100
60) Isopropylbenzene	9.869	105	430321	51.148	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	119256	50.252	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	352613	49.818	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	357694	50.236	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	190673	50.570	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	193233	50.400	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	188370	50.417	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	33809	47.429	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	133583	48.599	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	131356	49.786	ug/L	99
71) Naphthalene	13.442	128	394328	46.779	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	125110	49.485	ug/L	99

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

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