

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091223\
 Data File : VV032040.D
 Acq On : 12 Sep 2023 11:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050292

Quant Time: Sep 13 06:55:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 09 05:33:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	240827	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	232655	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	125515	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75190	49.888	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.780%
7) Chloroethane-d5	1.529	69	61446	46.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.020%
11) 1,1-Dichloroethene-d2	2.056	65	31930	45.243	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.480%
21) 2-Butanone-d5	3.786	46	123937	104.553	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.550%
24) Chloroform-d	4.249	84	145346	44.120	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.240%
26) 1,2-Dichloroethane-d4	4.944	65	90397	41.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.700%
32) Benzene-d6	4.960	84	289180	45.551	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.100%
36) 1,2-Dichloropropane-d6	5.989	67	96362	47.158	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.320%
41) Toluene-d8	7.246	98	262924	44.948	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.900%
43) trans-1,3-Dichloroprop...	7.554	79	45603	43.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.120%
47) 2-Hexanone-d5	8.027	63	79658	127.192	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.190%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	127716	48.368	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.740%
66) 1,2-Dichlorobenzene-d4	11.564	152	99973	43.693	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	66766	45.540	ug/L	98
3) Chloromethane	1.214	50	81321	54.396	ug/L	99
5) Vinyl chloride	1.281	62	81768	51.215	ug/L	98
6) Bromomethane	1.484	94	45735	48.652	ug/L	99
8) Chloroethane	1.545	64	54521	51.384	ug/L	98
9) Trichlorofluoromethane	1.712	101	109748	47.156	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	70718	50.325	ug/L	97
12) 1,1-Dichloroethene	2.069	96	60983	48.316	ug/L	89
13) Acetone	2.111	43	115396	109.373	ug/L	99
14) Carbon disulfide	2.240	76	141656	49.255	ug/L	99
15) Methyl Acetate	2.371	43	108760	57.799	ug/L	98
16) Methylene chloride	2.445	84	83819	51.678	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	68328	49.378	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	286698	49.023	ug/L	98
19) 1,1-Dichloroethane	3.111	63	164181	52.943	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	87592	50.454	ug/L	98
22) 2-Butanone	3.867	43	156886	112.375	ug/L	95
23) Bromochloromethane	4.146	128	42417	50.360	ug/L	93
25) Chloroform	4.275	83	160440	49.760	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	122553	48.246	ug/L	97
29) Cyclohexane	4.584	56	123993	51.186	ug/L	96
30) 1,1,1-Trichloroethane	4.513	97	130398	48.051	ug/L	99
31) Carbon tetrachloride	4.735	117	106997	46.433	ug/L	99
33) Benzene	5.011	78	328196	52.501	ug/L	100
34) Trichloroethene	5.834	95	90392	47.280	ug/L	100
35) Methylcyclohexane	6.053	83	125188	49.230	ug/L	97
37) 1,2-Dichloropropane	6.095	63	101396	57.225	ug/L	99
38) Bromodichloromethane	6.436	83	125325	49.830	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	155656	50.528	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	317591	112.928	ug/L	97
42) Toluene	7.317	91	349141	50.773	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	143669	48.539	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	92466	51.654	ug/L	99
46) Tetrachloroethene	7.908	164	58903	49.067	ug/L	98
48) 2-Hexanone	8.079	43	240126	111.806	ug/L	98
49) Dibromochloromethane	8.178	129	89914	48.879	ug/L	100
50) 1,2-Dibromoethane	8.284	107	93218	49.718	ug/L	100
51) Chlorobenzene	8.815	112	234094	51.233	ug/L	99
52) Ethylbenzene	8.950	91	407583	50.038	ug/L	98
53) m,p-Xylene	9.075	106	147013	48.609	ug/L	98
54) o-Xylene	9.480	106	149610	49.737	ug/L	98
55) Styrene	9.500	104	263224	49.501	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	144827	57.151	ug/L	99
59) Bromoform	9.667	173	61936	47.586	ug/L	100
60) Isopropylbenzene	9.870	105	410092	48.781	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	122860	51.810	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	334742	47.329	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	338811	47.620	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	188211	49.955	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	191216	49.912	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	188148	50.396	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	31929	44.826	ug/L	96
69) 1,3,5-Trichlorobenzene	12.586	180	134732	49.054	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	128317	48.671	ug/L	99
71) Naphthalene	13.442	128	411068	48.802	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	126990	50.267	ug/L	100

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

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