

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101024\
 Data File : VV037790.D
 Acq On : 10 Oct 2024 09:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050302

Quant Time: Oct 11 05:08:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 10 03:11:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	610121	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	607339	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	335488	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	222244	41.495	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.000%
7) Chloroethane-d5	1.532	69	197526	47.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.020%
11) 1,1-Dichloroethene-d2	2.056	65	101229	45.239	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.480%
21) 2-Butanone-d5	3.789	46	172588	90.471	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.470%
24) Chloroform-d	4.236	84	476851	50.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.080%
26) 1,2-Dichloroethane-d4	4.931	65	276143	49.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.020%
32) Benzene-d6	4.947	84	898826	47.295	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.580%
36) 1,2-Dichloropropane-d6	5.979	67	287814	47.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.120%
41) Toluene-d8	7.233	98	817135	47.417	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.840%
43) trans-1,3-Dichloroprop...	7.545	79	125306	44.573	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.140%
47) 2-Hexanone-d5	8.021	63	106188	83.097	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.100%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	336178	47.809	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.620%
66) 1,2-Dichlorobenzene-d4	11.551	152	320463	45.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	254498	48.998	ug/L	100
3) Chloromethane	1.217	50	250441	49.666	ug/L	99
5) Vinyl chloride	1.285	62	270103	49.964	ug/L	99
6) Bromomethane	1.487	94	157328	52.441	ug/L	99
8) Chloroethane	1.548	64	167924	50.397	ug/L	98
9) Trichlorofluoromethane	1.712	101	382436	52.555	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	235351	54.124	ug/L	98
12) 1,1-Dichloroethene	2.069	96	209869	51.668	ug/L	82
13) Acetone	2.111	43	183918	98.347	ug/L	99
14) Carbon disulfide	2.236	76	590605	46.582	ug/L	100
15) Methyl Acetate	2.371	43	169369	51.897	ug/L	100
16) Methylene chloride	2.442	84	238969	51.959	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	221419	51.528	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	651623	52.856	ug/L	99
19) 1,1-Dichloroethane	3.101	63	436325	52.997	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	246430	51.247	ug/L	98
22) 2-Butanone	3.870	43	196421	94.894	ug/L	97
23) Bromochloromethane	4.133	128	129939	52.238	ug/L	97
25) Chloroform	4.265	83	459121	53.861	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.030	62	320746	53.300	ug/L	100
29) Cyclohexane	4.567	56	328490	47.637	ug/L	100
30) 1,1,1-Trichloroethane	4.500	97	387748	51.837	ug/L	100
31) Carbon tetrachloride	4.722	117	337530	51.901	ug/L	99
33) Benzene	4.998	78	950256	51.879	ug/L	100
34) Trichloroethene	5.821	95	246851	50.606	ug/L	99
35) Methylcyclohexane	6.037	83	368060	49.048	ug/L	98
37) 1,2-Dichloropropane	6.085	63	254892	53.890	ug/L	99
38) Bromodichloromethane	6.423	83	336707	53.253	ug/L	98
39) cis-1,3-Dichloropropene	6.944	75	380105	50.344	ug/L	99
40) 4-Methyl-2-pentanone	7.152	43	390180	101.316	ug/L	98
42) Toluene	7.307	91	1006410	53.000	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	347345	51.099	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	237136	52.214	ug/L	99
46) Tetrachloroethene	7.895	164	187781	50.350	ug/L	99
48) 2-Hexanone	8.069	43	289807	96.778	ug/L	100
49) Dibromochloromethane	8.169	129	257909	53.655	ug/L	97
50) 1,2-Dibromoethane	8.275	107	236167	50.305	ug/L	99
51) Chlorobenzene	8.805	112	665057	51.407	ug/L	100
52) Ethylbenzene	8.937	91	1113665	52.102	ug/L	99
53) m,p-Xylene	9.062	106	424227	53.328	ug/L	100
54) o-Xylene	9.471	106	403535	51.959	ug/L	97
55) Styrene	9.487	104	745606	55.148	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.168	83	317996	50.220	ug/L	99
59) Bromoform	9.657	173	166134	50.666	ug/L	97
60) Isopropylbenzene	9.857	105	1112274	50.995	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	230490	48.282	ug/L	99
62) 1,3,5-Trimethylbenzene	10.467	105	875784	50.787	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	881064	51.351	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	536416	51.094	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	560503	51.272	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	526245	50.705	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	51387	44.344	ug/L	98
69) 1,3,5-Trichlorobenzene	12.573	180	353908	49.020	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	310750	46.392	ug/L	100
71) Naphthalene	13.432	128	752163	42.979	ug/L	100
72) 1,2,3-Trichlorobenzene	13.670	180	311021	47.019	ug/L	99

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

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