

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080924\
 Data File : VV036865.D
 Acq On : 09 Aug 2024 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050352

Quant Time: Aug 10 01:07:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 02:41:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	462446	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	437406	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	216637	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	146704	39.718	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.440%
7) Chloroethane-d5	1.532	69	129171	44.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.700%
11) 1,1-Dichloroethene-d2	2.056	65	63878	40.430	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.860%
21) 2-Butanone-d5	3.789	46	180444	92.204	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.200%
24) Chloroform-d	4.243	84	309451	46.686	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.380%
26) 1,2-Dichloroethane-d4	4.934	65	195948	45.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.960%
32) Benzene-d6	4.950	84	585634	44.328	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.660%
36) 1,2-Dichloropropane-d6	5.982	67	197828	46.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.820%
41) Toluene-d8	7.236	98	509794	42.066	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.140%
43) trans-1,3-Dichloroprop...	7.548	79	91474	41.239	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.480%
47) 2-Hexanone-d5	8.024	63	110384	90.073	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.070%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	232555	47.520	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.040%
66) 1,2-Dichlorobenzene-d4	11.554	152	202969	45.978	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	193004	52.342	ug/L	99
3) Chloromethane	1.217	50	198416	51.418	ug/L	100
5) Vinyl chloride	1.281	62	204027	51.485	ug/L	97
6) Bromomethane	1.487	94	120867	48.443	ug/L	99
8) Chloroethane	1.548	64	124800	50.841	ug/L	99
9) Trichlorofluoromethane	1.712	101	258456	49.792	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	154401	50.480	ug/L	99
12) 1,1-Dichloroethene	2.069	96	145560	49.829	ug/L	91
13) Acetone	2.111	43	130124	79.471	ug/L	100
14) Carbon disulfide	2.236	76	419869	45.756	ug/L	100
15) Methyl Acetate	2.371	43	149716	44.386	ug/L	97
16) Methylene chloride	2.442	84	166025	50.554	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	153379	50.689	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	512934	48.131	ug/L	99
19) 1,1-Dichloroethane	3.104	63	311238	50.911	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	181358	51.065	ug/L	95
22) 2-Butanone	3.873	43	179224	81.707	ug/L	99
23) Bromochloromethane	4.140	128	87126	50.502	ug/L	98
25) Chloroform	4.268	83	315338	50.221	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	240844	48.627	ug/L	99
29) Cyclohexane	4.571	56	272465	48.889	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	266243	48.313	ug/L	100
31) Carbon tetrachloride	4.725	117	222369	48.048	ug/L	98
33) Benzene	5.001	78	673734	51.498	ug/L	100
34) Trichloroethene	5.825	95	186140	49.093	ug/L	98
35) Methylcyclohexane	6.040	83	286374	49.221	ug/L	98
37) 1,2-Dichloropropane	6.088	63	178878	51.613	ug/L	100
38) Bromodichloromethane	6.426	83	230733	48.346	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	280316	47.227	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	383411	89.306	ug/L	99
42) Toluene	7.310	91	699807	50.220	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	265054	47.922	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	163764	48.793	ug/L	99
46) Tetrachloroethene	7.898	164	124705	50.142	ug/L	99
48) 2-Hexanone	8.072	43	273245	86.513	ug/L	100
49) Dibromochloromethane	8.172	129	167457	48.552	ug/L	99
50) 1,2-Dibromoethane	8.278	107	169967	48.809	ug/L	98
51) Chlorobenzene	8.808	112	450779	50.416	ug/L	98
52) Ethylbenzene	8.940	91	793017	49.841	ug/L	99
53) m,p-Xylene	9.066	106	293031	49.270	ug/L	99
54) o-Xylene	9.474	106	290699	49.974	ug/L	98
55) Styrene	9.490	104	501840	50.342	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	219040	48.367	ug/L	99
59) Bromoform	9.660	173	108381	45.222	ug/L	99
60) Isopropylbenzene	9.860	105	790933	50.149	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	184707	47.363	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	650155	49.515	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	649276	49.396	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	345810	50.988	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	351260	50.931	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	335650	50.673	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	45702	40.553	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	241178	50.109	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	227314	49.243	ug/L	99
71) Naphthalene	13.432	128	648038	43.778	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	219790	48.641	ug/L	100

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

