

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092022\
 Data File : VW027986.D
 Acq On : 21 Sep 2022 01:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050343

Quant Time: Sep 21 05:19:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 01:52:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	356588	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	358358	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	195207	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	144616	46.197	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.400%
7) Chloroethane-d5	1.558	69	121999	48.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.580%
11) 1,1-Dichloroethene-d2	2.101	63	264337	47.665	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.320%
21) 2-Butanone-d5	3.873	46	209719	112.662	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.660%
24) Chloroform-d	4.342	84	262463	49.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.880%
26) 1,2-Dichloroethane-d4	5.027	65	166337	48.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.680%
32) Benzene-d6	5.043	84	502960	48.694	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.380%
36) 1,2-Dichloropropane-d6	6.063	67	150738	47.261	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.520%
41) Toluene-d8	7.310	98	464316	49.089	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.180%
43) trans-1,3-Dichloroprop...	7.616	79	78542	49.244	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.480%
47) 2-Hexanone-d5	8.085	63	183947	117.726	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.730%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	252563	53.799	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	188380	49.712	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	126685	46.978	ug/L	99
3) Chloromethane	1.236	50	152586	48.441	ug/L	99
5) Vinyl chloride	1.304	62	159319	49.745	ug/L	97
6) Bromomethane	1.516	94	108456	51.873	ug/L	99
8) Chloroethane	1.577	64	104899	51.717	ug/L	98
9) Trichlorofluoromethane	1.744	101	237465	50.333	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	126800	48.991	ug/L	98
12) 1,1-Dichloroethene	2.111	96	126597	48.931	ug/L	90
13) Acetone	2.166	43	166487	100.357	ug/L	99
14) Carbon disulfide	2.285	76	332316	48.541	ug/L	98
15) Methyl Acetate	2.426	43	159090	55.516	ug/L	98
16) Methylene chloride	2.500	84	142983	47.135	ug/L	98
17) trans-1,2-Dichloroethene	2.751	96	121978	49.537	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	404113	52.281	ug/L	99
19) 1,1-Dichloroethane	3.182	63	236533	49.726	ug/L	100
20) cis-1,2-Dichloroethene	3.902	96	137844	50.192	ug/L	98
22) 2-Butanone	3.957	43	213526	108.123	ug/L	98
23) Bromochloromethane	4.240	128	75065	50.646	ug/L	97
25) Chloroform	4.365	83	249232	49.077	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	195883	49.735	ug/L	99
29) Cyclohexane	4.670	56	183818	46.988	ug/L	95
30) 1,1,1-Trichloroethane	4.600	97	220152	49.904	ug/L	99
31) Carbon tetrachloride	4.822	117	188534	48.124	ug/L	97
33) Benzene	5.092	78	527001	49.292	ug/L	100
34) Trichloroethene	5.908	95	129038	48.705	ug/L	99
35) Methylcyclohexane	6.127	83	198318	46.378	ug/L	96
37) 1,2-Dichloropropane	6.169	63	131910	47.034	ug/L	98
38) Bromodichloromethane	6.503	83	183029	46.737	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	191737	45.147	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	417344	104.336	ug/L	99
42) Toluene	7.384	91	572111	50.497	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	212594	50.178	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	145686	51.492	ug/L	97
46) Tetrachloroethene	7.973	164	106678	48.396	ug/L	99
48) 2-Hexanone	8.137	43	386449	119.084	ug/L	98
49) Dibromochloromethane	8.243	129	155421	49.761	ug/L	97
50) 1,2-Dibromoethane	8.349	107	148521	51.187	ug/L	97
51) Chlorobenzene	8.876	112	372996	49.317	ug/L	100
52) Ethylbenzene	9.008	91	619351	50.638	ug/L	99
53) m,p-Xylene	9.136	106	241516	51.501	ug/L	100
54) o-Xylene	9.542	106	235219	51.984	ug/L	98
55) Styrene	9.558	104	425317	52.972	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.236	83	249002	52.471	ug/L	100
59) Bromoform	9.728	173	115946	51.328	ug/L	98
60) Isopropylbenzene	9.927	105	615281	53.294	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	202583	55.286	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	517609	52.428	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	518099	52.621	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	291272	49.500	ug/L	98
65) 1,4-Dichlorobenzene	11.268	146	294260	48.810	ug/L	99
67) 1,2-Dichlorobenzene	11.638	146	298344	49.897	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	59556	52.892	ug/L	99
69) 1,3,5-Trichlorobenzene	12.641	180	216303	46.877	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	185986	44.978	ug/L	99
71) Naphthalene	13.500	128	668972	50.392	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	208357	48.787	ug/L	99

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

