

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051967.D
 Acq On : 20 Nov 2022 11:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050127

Quant Time: Nov 21 01:01:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	461081	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	468699	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	239273	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	90413	39.942	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.880%
7) Chloroethane-d5	1.896	69	102211	45.068	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.140%
11) 1,1-Dichloroethene-d2	2.568	63	181429	44.696	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.400%
21) 2-Butanone-d5	4.616	46	253266	98.395	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.400%
24) Chloroform-d	5.060	84	279731	49.298	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.697	65	165815	47.737	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.480%
32) Benzene-d6	5.726	84	473314	48.433	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.860%
36) 1,2-Dichloropropane-d6	6.687	67	175398	48.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.440%
41) Toluene-d8	7.896	98	398497	49.679	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.360%
43) trans-1,3-Dichloroprop...	8.176	79	67580	46.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.280%
47) 2-Hexanone-d5	8.632	63	190778	103.194	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.190%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	360457	50.914	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.820%
66) 1,2-Dichlorobenzene-d4	12.192	152	199425	47.361	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	134213	47.412	ug/L	100
3) Chloromethane	1.523	50	183537	48.822	ug/L	100
5) Vinyl chloride	1.604	62	186930	47.939	ug/L	99
6) Bromomethane	1.832	94	93863	55.562	ug/L	99
8) Chloroethane	1.919	64	125468	49.491	ug/L	99
9) Trichlorofluoromethane	2.131	101	233213	49.955	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	148274	50.397	ug/L	100
12) 1,1-Dichloroethene	2.578	96	135399	49.276	ug/L	94
13) Acetone	2.620	43	171673	62.339	ug/L	100
14) Carbon disulfide	2.790	76	355251	46.666	ug/L	99
15) Methyl Acetate	2.944	43	187136	49.845	ug/L	98
16) Methylene chloride	3.044	84	199878	45.566	ug/L	99
17) trans-1,2-Dichloroethene	3.349	96	149405	50.454	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	475512	51.883	ug/L	99
19) 1,1-Dichloroethane	3.864	63	317442	52.672	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	179533	51.950	ug/L	99
22) 2-Butanone	4.697	43	275041	88.434	ug/L	100
23) Bromochloromethane	4.970	128	99001	51.912	ug/L	99
25) Chloroform	5.086	83	331857	52.772	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	248403	53.455	ug/L	100
29) Cyclohexane	5.388	56	208461	52.130	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	246409	52.000	ug/L	99
31) Carbon tetrachloride	5.520	117	200509	50.613	ug/L	98
33) Benzene	5.771	78	730017	54.147	ug/L	100
34) Trichloroethene	6.539	95	162744	50.952	ug/L	99
35) Methylcyclohexane	6.761	83	220847	50.993	ug/L	99
37) 1,2-Dichloropropane	6.787	63	204095	53.461	ug/L	100
38) Bromodichloromethane	7.102	83	248882	52.108	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	252292	50.520	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	547729	108.950	ug/L	100
42) Toluene	7.967	91	779487	56.211	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	244364	51.066	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	206519	53.233	ug/L	99
46) Tetrachloroethene	8.552	164	122707	48.105	ug/L	97
48) 2-Hexanone	8.680	43	451300	104.523	ug/L	98
49) Dibromochloromethane	8.806	129	209006	52.250	ug/L	98
50) 1,2-Dibromoethane	8.922	107	205670	52.662	ug/L	98
51) Chlorobenzene	9.446	112	496794	52.429	ug/L	99
52) Ethylbenzene	9.568	91	767887	54.108	ug/L	98
53) m,p-Xylene	9.693	106	311046	56.622	ug/L	97
54) o-Xylene	10.098	106	310210	55.483	ug/L	99
55) Styrene	10.111	104	556814	57.718	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	389796	53.171	ug/L	98
59) Bromoform	10.288	173	163196	50.305	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	291884	50.996	ug/L	100
61) Isopropylbenzene	10.481	105	765758	54.758	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	621912	54.577	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	620181	55.706	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	371929	52.475	ug/L	99
65) 1,4-Dichlorobenzene	11.831	146	367340	51.178	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	394159	52.298	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	70815	48.324	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	232369	49.416	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	176761	47.424	ug/L	100
71) Naphthalene	14.082	128	622931	50.818	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	212739	52.149	ug/L	99

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

