

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102122\
 Data File : VU051482.D
 Acq On : 21 Oct 2022 13:26
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

Quant Time: Oct 25 10:06:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:53:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	492067	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	498479	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	256295	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	164843	42.219	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.440%
7) Chloroethane-d5	1.899	69	146158	45.439	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.880%
11) 1,1-Dichloroethene-d2	2.565	63	294352	44.287	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.580%
21) 2-Butanone-d5	4.616	46	255706	92.906	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.910%
24) Chloroform-d	5.060	84	338216	47.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.320%
26) 1,2-Dichloroethane-d4	5.700	65	204402	45.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.700%
32) Benzene-d6	5.726	84	667399	49.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.880%
36) 1,2-Dichloropropane-d6	6.687	67	214355	48.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.700%
41) Toluene-d8	7.896	98	619738	50.368	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.740%
43) trans-1,3-Dichloroprop...	8.179	79	93296	49.426	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.860%
47) 2-Hexanone-d5	8.632	63	183892	94.446	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.450%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	356948	46.351	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.700%
66) 1,2-Dichlorobenzene-d4	12.192	152	233783	48.727	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	195562	45.475	ug/L	100
3) Chloromethane	1.523	50	248011	45.121	ug/L	98
5) Vinyl chloride	1.604	62	242308	44.542	ug/L	99
6) Bromomethane	1.835	94	154105	54.503	ug/L	100
8) Chloroethane	1.922	64	144651	44.494	ug/L	98
9) Trichlorofluoromethane	2.131	101	286347	45.497	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	175219	45.549	ug/L	99
12) 1,1-Dichloroethene	2.575	96	164900	45.219	ug/L	96
13) Acetone	2.620	43	285124	90.914	ug/L	97
14) Carbon disulfide	2.790	76	523258	44.054	ug/L	100
15) Methyl Acetate	2.944	43	213232	44.958	ug/L	99
16) Methylene chloride	3.044	84	227684	47.565	ug/L	97
17) trans-1,2-Dichloroethene	3.349	96	177963	47.451	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	533417	49.737	ug/L	100
19) 1,1-Dichloroethane	3.864	63	346243	46.806	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	202221	49.422	ug/L	98
22) 2-Butanone	4.697	43	347207	95.392	ug/L	100
23) Bromochloromethane	4.970	128	107935	47.017	ug/L	98
25) Chloroform	5.086	83	364096	47.742	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	276036	46.614	ug/L	100
29) Cyclohexane	5.388	56	266245	50.837	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	277297	46.901	ug/L	99
31) Carbon tetrachloride	5.523	117	230871	46.248	ug/L	100
33) Benzene	5.771	78	820104	50.327	ug/L	100
34) Trichloroethene	6.539	95	188828	48.020	ug/L	99
35) Methylcyclohexane	6.761	83	283417	50.383	ug/L	99
37) 1,2-Dichloropropane	6.790	63	216881	48.532	ug/L	100
38) Bromodichloromethane	7.105	83	270297	47.513	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	294946	50.060	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	589660	98.752	ug/L	99
42) Toluene	7.970	91	861684	51.528	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	286712	50.004	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	210948	47.296	ug/L	98
46) Tetrachloroethene	8.552	164	144159	49.114	ug/L	99
48) 2-Hexanone	8.684	43	513624	100.663	ug/L	99
49) Dibromochloromethane	8.809	129	216537	47.433	ug/L	99
50) 1,2-Dibromoethane	8.922	107	221083	48.372	ug/L	100
51) Chlorobenzene	9.446	112	531514	48.537	ug/L	99
52) Ethylbenzene	9.571	91	864917	51.290	ug/L	100
53) m,p-Xylene	9.693	106	342336	52.667	ug/L	97
54) o-Xylene	10.102	106	343393	53.260	ug/L	94
55) Styrene	10.115	104	604138	53.922	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	394528	46.357	ug/L	98
59) Bromoform	10.291	173	161982	45.379	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	301535	45.399	ug/L	99
61) Isopropylbenzene	10.484	105	834642	51.857	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	720396	52.690	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	723573	53.747	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	400639	48.765	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	403160	47.717	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	417131	48.741	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	78774	43.943	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	260159	47.204	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	197907	46.641	ug/L	98
71) Naphthalene	14.085	128	632537	46.575	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	225266	49.456	ug/L	99

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

