

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051990.D
 Acq On : 20 Nov 2022 22:08
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050128

Quant Time: Nov 21 01:04:19 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	6.247	114	488854	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	482901	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	235317	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	91619	38.176	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.360%		
7) Chloroethane-d5	1.906	69	99324	41.307	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.620%		
11) 1,1-Dichloroethene-d2	2.568	63	182167	42.328	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.660%		
21) 2-Butanone-d5	4.616	46	261807	95.935	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.940%		
24) Chloroform-d	5.060	84	269489	44.794	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.580%		
26) 1,2-Dichloroethane-d4	5.700	65	163416	44.374	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.740%		
32) Benzene-d6	5.726	84	471307	46.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.620%		
36) 1,2-Dichloropropane-d6	6.687	67	176406	47.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.140%		
41) Toluene-d8	7.896	98	391034	47.315	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.640%		
43) trans-1,3-Dichloroprop...	8.176	79	66454	44.516	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.040%		
47) 2-Hexanone-d5	8.629	63	193838	101.765	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.770%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	349399	47.900	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.800%		
66) 1,2-Dichlorobenzene-d4	12.188	152	197173	47.613	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	127499	42.482	ug/L	99
3) Chloromethane	1.526	50	186725	46.849	ug/L	100
5) Vinyl chloride	1.604	62	189537	45.846	ug/L	100
6) Bromomethane	1.845	94	106292	59.344	ug/L	99
8) Chloroethane	1.928	64	126139	46.929	ug/L	100
9) Trichlorofluoromethane	2.134	101	224026	45.261	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	135846	43.549	ug/L	99
12) 1,1-Dichloroethene	2.578	96	138262	47.459	ug/L	96
13) Acetone	2.620	43	174920	59.910	ug/L	97
14) Carbon disulfide	2.790	76	351832	43.591	ug/L	100
15) Methyl Acetate	2.944	43	190330	47.816	ug/L	99
16) Methylene chloride	3.044	84	193769	41.664	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	150035	47.788	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	498165	51.267	ug/L	99
19) 1,1-Dichloroethane	3.867	63	310978	48.668	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	184731	50.417	ug/L	99
22) 2-Butanone	4.694	43	274039	83.106	ug/L	99
23) Bromochloromethane	4.973	128	98622	48.775	ug/L	98
25) Chloroform	5.086	83	320974	48.142	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	239276	48.565	ug/L	100
29) Cyclohexane	5.388	56	209688	50.895	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	241557	49.477	ug/L	99
31) Carbon tetrachloride	5.523	117	193848	47.493	ug/L	99
33) Benzene	5.771	78	715272	51.493	ug/L	100
34) Trichloroethene	6.539	95	165044	50.153	ug/L	99
35) Methylcyclohexane	6.761	83	213346	47.812	ug/L	100
37) 1,2-Dichloropropane	6.787	63	195922	49.810	ug/L	99
38) Bromodichloromethane	7.102	83	242767	49.333	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	248551	48.307	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	541123	104.471	ug/L	99
42) Toluene	7.967	91	757305	53.005	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	239675	48.613	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	198835	49.745	ug/L	99
46) Tetrachloroethene	8.549	164	120647	45.906	ug/L	96
48) 2-Hexanone	8.681	43	437257	98.292	ug/L	99
49) Dibromochloromethane	8.806	129	196227	47.613	ug/L	97
50) 1,2-Dibromoethane	8.922	107	202397	50.300	ug/L	99
51) Chlorobenzene	9.443	112	481656	49.336	ug/L	100
52) Ethylbenzene	9.568	91	760049	51.981	ug/L	99
53) m,p-Xylene	9.690	106	300186	53.038	ug/L	97
54) o-Xylene	10.098	106	312872	54.313	ug/L	98
55) Styrene	10.111	104	538350	54.162	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	367016	48.592	ug/L	99
59) Bromoform	10.288	173	154781	48.513	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	275092	48.871	ug/L	99
61) Isopropylbenzene	10.481	105	750707	54.584	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	607935	54.247	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	610007	55.713	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	352669	50.594	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	351616	49.811	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	376946	50.855	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	69986	48.561	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	224373	48.518	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	182803	49.870	ug/L	100
71) Naphthalene	14.082	128	701247	58.168	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	215951	53.826	ug/L	98

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

