

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083122\
 Data File : VU050547.D
 Acq On : 31 Aug 2022 13:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050184

Quant Time: Sep 01 05:13:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:47:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	338822	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	312190	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	147204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	117261	45.124	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.240%
7) Chloroethane-d5	1.893	69	102538	50.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.220%
11) 1,1-Dichloroethene-d2	2.559	63	215984	49.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.460%
21) 2-Butanone-d5	4.626	46	213522	93.951	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.950%
24) Chloroform-d	5.060	84	260849	51.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.180%
26) 1,2-Dichloroethane-d4	5.700	65	165160	50.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.580%
32) Benzene-d6	5.723	84	512158	52.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.860%
36) 1,2-Dichloropropane-d6	6.691	67	170225	52.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.680%
41) Toluene-d8	7.896	98	457636	54.365	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.720%
43) trans-1,3-Dichloroprop...	8.179	79	66887	51.621	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.240%
47) 2-Hexanone-d5	8.636	63	103842	89.018	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.020%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	266361	53.004	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	154672	48.531	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	112913	52.934	ug/L	100
3) Chloromethane	1.514	50	170188	48.158	ug/L	97
5) Vinyl chloride	1.601	62	159634	48.921	ug/L	98
6) Bromomethane	1.842	94	66712	44.636	ug/L	99
8) Chloroethane	1.916	64	101238	49.298	ug/L	100
9) Trichlorofluoromethane	2.125	101	197140	52.522	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	120056	53.732	ug/L	99
12) 1,1-Dichloroethene	2.572	96	116357	49.836	ug/L	97
13) Acetone	2.630	43	165222	93.583	ug/L	99
14) Carbon disulfide	2.784	76	258558	45.066	ug/L	99
15) Methyl Acetate	2.948	43	177142	48.889	ug/L	100
16) Methylene chloride	3.038	84	164258	43.274	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	126294	49.944	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	420845	49.101	ug/L	99
19) 1,1-Dichloroethane	3.864	63	259167	50.310	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	149997	49.837	ug/L	98
22) 2-Butanone	4.707	43	258682	94.727	ug/L	98
23) Bromochloromethane	4.970	128	81877	50.824	ug/L	98
25) Chloroform	5.083	83	272917	51.317	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	218549	51.805	ug/L	100
29) Cyclohexane	5.385	56	191388	54.858	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	200307	52.957	ug/L	100
31) Carbon tetrachloride	5.520	117	157316	54.473	ug/L	96
33) Benzene	5.771	78	609210	53.716	ug/L	100
34) Trichloroethene	6.539	95	132881	51.060	ug/L	99
35) Methylcyclohexane	6.761	83	199006	56.873	ug/L	99
37) 1,2-Dichloropropane	6.790	63	169125	54.467	ug/L	99
38) Bromodichloromethane	7.105	83	186930	53.207	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	215864	52.763	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	468702	104.279	ug/L	100
42) Toluene	7.967	91	621071	55.198	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	197946	53.112	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	161592	53.615	ug/L	99
46) Tetrachloroethene	8.552	164	97778	53.710	ug/L	97
48) 2-Hexanone	8.687	43	403664	105.057	ug/L	99
49) Dibromochloromethane	8.809	129	141821	54.198	ug/L	100
50) 1,2-Dibromoethane	8.922	107	165817	53.297	ug/L	98
51) Chlorobenzene	9.446	112	314050	44.850	ug/L	99
52) Ethylbenzene	9.571	91	544670	50.012	ug/L	100
53) m,p-Xylene	9.694	106	210939	51.409	ug/L	98
54) o-Xylene	10.102	106	204066	48.890	ug/L	96
55) Styrene	10.115	104	354915	51.240	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	288306	53.614	ug/L	100
59) Bromoform	10.292	173	91237	46.291	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	221226	50.065	ug/L	99
61) Isopropylbenzene	10.485	105	532412	50.724	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	443652	51.416	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	437402	52.189	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	248300	49.577	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	242494	47.748	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	266750	49.130	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	50688	48.070	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	164227	47.918	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	131102	43.007	ug/L	100
71) Naphthalene	14.086	128	464910	37.171	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	155765	44.214	ug/L	100

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

