

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092722\
 Data File : VU050968.D
 Acq On : 27 Sep 2022 19:40
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050098

Quant Time: Sep 28 02:04:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 28 01:59:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	349571	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	361694	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	193384	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	127899	35.314	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.620%
7) Chloroethane-d5	1.909	69	116085	45.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.568	63	240316	42.643	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.280%
21) 2-Butanone-d5	4.617	46	287224	122.839	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.840%
24) Chloroform-d	5.063	84	303945	53.551	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.100%
26) 1,2-Dichloroethane-d4	5.700	65	192603	55.063	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.120%
32) Benzene-d6	5.726	84	571289	47.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.900%
36) 1,2-Dichloropropane-d6	6.687	67	196677	48.909	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.820%
41) Toluene-d8	7.896	98	526350	50.543	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.080%
43) trans-1,3-Dichloroprop...	8.179	79	86483	49.436	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.880%
47) 2-Hexanone-d5	8.629	63	165693	99.984	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.980%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	333601	54.413	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.820%
66) 1,2-Dichlorobenzene-d4	12.192	152	206415	50.980	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	165264	45.657	ug/L	100
3) Chloromethane	1.520	50	207098	49.214	ug/L	98
5) Vinyl chloride	1.604	62	201881	49.004	ug/L	98
6) Bromomethane	1.851	94	129148	62.054	ug/L	98
8) Chloroethane	1.932	64	127190	55.762	ug/L	99
9) Trichlorofluoromethane	2.138	101	236975	53.031	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	141817	49.583	ug/L	99
12) 1,1-Dichloroethene	2.578	96	135312	50.349	ug/L	96
13) Acetone	2.620	43	199744	100.888	ug/L	100
14) Carbon disulfide	2.793	76	421377	49.584	ug/L	99
15) Methyl Acetate	2.945	43	213316	57.093	ug/L	98
16) Methylene chloride	3.044	84	193308	51.803	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	149024	54.102	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	455711	54.270	ug/L	99
19) 1,1-Dichloroethane	3.867	63	298404	53.615	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	171410	56.124	ug/L	98
22) 2-Butanone	4.697	43	311662	119.423	ug/L	100
23) Bromochloromethane	4.973	128	93117	58.174	ug/L	91
25) Chloroform	5.086	83	317193	57.185	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	248641	58.985	ug/L	100
29) Cyclohexane	5.388	56	210914	42.373	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	250272	52.011	ug/L	98
31) Carbon tetrachloride	5.523	117	200863	50.248	ug/L	99
33) Benzene	5.774	78	702925	52.808	ug/L	100
34) Trichloroethene	6.539	95	166390	53.814	ug/L	98
35) Methylcyclohexane	6.761	83	216787	43.514	ug/L	99
37) 1,2-Dichloropropane	6.790	63	193273	53.062	ug/L	99
38) Bromodichloromethane	7.105	83	239710	55.236	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	249347	51.157	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	569838	113.519	ug/L	99
42) Toluene	7.967	91	739671	55.976	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	250151	53.950	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	188062	56.027	ug/L	98
46) Tetrachloroethene	8.552	164	119391	53.733	ug/L	97
48) 2-Hexanone	8.681	43	493627	117.684	ug/L	99
49) Dibromochloromethane	8.806	129	187711	57.033	ug/L	100
50) 1,2-Dibromoethane	8.922	107	194166	55.753	ug/L	99
51) Chlorobenzene	9.446	112	437796	54.269	ug/L	98
52) Ethylbenzene	9.568	91	705798	53.541	ug/L	99
53) m,p-Xylene	9.690	106	279294	56.987	ug/L	100
54) o-Xylene	10.099	106	272174	55.737	ug/L	100
55) Styrene	10.112	104	492930	58.876	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	331189	53.322	ug/L	99
59) Bromoform	10.288	173	142000	50.874	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	264304	48.590	ug/L	99
61) Isopropylbenzene	10.481	105	678044	49.062	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	561641	49.437	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	576706	51.259	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	327596	51.836	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	332671	51.850	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	348108	52.021	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	79881	53.395	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	222670	50.358	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	182818	50.522	ug/L	99
71) Naphthalene	14.086	128	681581	49.010	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	211252	52.162	ug/L	100

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

