

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092722\
 Data File : VU050950.D
 Acq On : 27 Sep 2022 11:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050097

Quant Time: Sep 28 01:54:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 26 20:52:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	403850	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	408003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	214126	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	153811	36.760	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.520%
7) Chloroethane-d5	1.909	69	134302	45.069	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.140%
11) 1,1-Dichloroethene-d2	2.568	63	279207	42.885	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.760%
21) 2-Butanone-d5	4.620	46	305843	113.221	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.220%
24) Chloroform-d	5.063	84	338545	51.630	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.260%
26) 1,2-Dichloroethane-d4	5.700	65	211353	52.302	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.600%
32) Benzene-d6	5.726	84	645810	48.056	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.120%
36) 1,2-Dichloropropane-d6	6.690	67	219650	48.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.840%
41) Toluene-d8	7.899	98	596458	50.775	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.540%
43) trans-1,3-Dichloroprop...	8.179	79	98150	49.737	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.480%
47) 2-Hexanone-d5	8.632	63	181576	97.132	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.130%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	359148	51.931	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.860%
66) 1,2-Dichlorobenzene-d4	12.192	152	226119	50.436	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	198649	47.504	ug/L	100
3) Chloromethane	1.520	50	224007	46.078	ug/L	98
5) Vinyl chloride	1.604	62	228603	48.032	ug/L	99
6) Bromomethane	1.855	94	140520	58.443	ug/L	96
8) Chloroethane	1.932	64	139295	52.861	ug/L	100
9) Trichlorofluoromethane	2.137	101	278158	53.881	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	175664	53.162	ug/L	100
12) 1,1-Dichloroethene	2.581	96	156273	50.334	ug/L	87
13) Acetone	2.623	43	280291	122.543	ug/L	99
14) Carbon disulfide	2.793	76	495435	50.463	ug/L	99
15) Methyl Acetate	2.948	43	221432	51.299	ug/L	97
16) Methylene chloride	3.044	84	200434	46.494	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	167477	52.629	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	487204	50.222	ug/L	99
19) 1,1-Dichloroethane	3.867	63	323352	50.289	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	185719	52.636	ug/L	93
22) 2-Butanone	4.700	43	351401	116.553	ug/L	98
23) Bromochloromethane	4.973	128	98967	53.518	ug/L	95
25) Chloroform	5.086	83	343368	53.584	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	260515	53.495	ug/L	98
29) Cyclohexane	5.391	56	256503	45.683	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	277404	51.106	ug/L	98
31) Carbon tetrachloride	5.523	117	234284	51.956	ug/L	99
33) Benzene	5.774	78	764779	50.934	ug/L	100
34) Trichloroethene	6.542	95	189257	54.262	ug/L	99
35) Methylcyclohexane	6.764	83	283205	50.394	ug/L	98
37) 1,2-Dichloropropane	6.790	63	202299	49.236	ug/L	100
38) Bromodichloromethane	7.105	83	259031	52.914	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	274345	49.897	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	586991	103.664	ug/L	100
42) Toluene	7.970	91	815567	54.715	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	271989	52.002	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	198929	52.538	ug/L	99
46) Tetrachloroethene	8.555	164	136001	54.261	ug/L	99
48) 2-Hexanone	8.684	43	521158	110.146	ug/L	100
49) Dibromochloromethane	8.809	129	202205	54.464	ug/L	100
50) 1,2-Dibromoethane	8.922	107	207551	52.832	ug/L	99
51) Chlorobenzene	9.446	112	475254	52.225	ug/L	99
52) Ethylbenzene	9.571	91	785845	52.847	ug/L	99
53) m,p-Xylene	9.693	106	312308	56.491	ug/L	100
54) o-Xylene	10.102	106	300090	54.478	ug/L	96
55) Styrene	10.115	104	541081	57.292	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	343040	48.962	ug/L	99
59) Bromoform	10.291	173	153202	49.571	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	279806	46.457	ug/L	98
61) Isopropylbenzene	10.484	105	767111	50.130	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	633015	50.322	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	647136	51.947	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	368354	52.639	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	372166	52.386	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	378228	51.047	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	83998	50.708	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	262456	53.606	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	215717	53.839	ug/L	100
71) Naphthalene	14.086	128	759350	49.313	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	242295	54.032	ug/L	99

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

