

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092622\
 Data File : VU050948.D
 Acq On : 26 Sep 2022 15:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

Quant Time: Sep 26 20:55:30 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	387400	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	398028	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	210098	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	134793	33.583	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.160%
7) Chloroethane-d5	1.909	69	125173	43.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.580%
11) 1,1-Dichloroethene-d2	2.568	63	253661	40.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.240%
21) 2-Butanone-d5	4.623	46	292567	112.906	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.910%
24) Chloroform-d	5.063	84	307469	48.882	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.760%
26) 1,2-Dichloroethane-d4	5.700	65	194261	50.114	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
32) Benzene-d6	5.726	84	586639	44.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
36) 1,2-Dichloropropane-d6	6.690	67	202245	45.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.400%
41) Toluene-d8	7.899	98	539006	47.034	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.060%
43) trans-1,3-Dichloroprop...	8.179	79	90158	46.832	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.660%
47) 2-Hexanone-d5	8.632	63	170594	93.545	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.540%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	329051	48.771	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.540%
66) 1,2-Dichlorobenzene-d4	12.192	152	207539	47.179	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	184998	46.118	ug/L	100
3) Chloromethane	1.520	50	218357	46.823	ug/L	99
5) Vinyl chloride	1.604	62	215062	47.106	ug/L	97
6) Bromomethane	1.858	94	130267	56.480	ug/L	95
8) Chloroethane	1.932	64	137993	54.591	ug/L	99
9) Trichlorofluoromethane	2.138	101	258198	52.139	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	163405	51.552	ug/L	99
12) 1,1-Dichloroethene	2.581	96	145785	48.949	ug/L	87
13) Acetone	2.629	43	287865	131.199	ug/L	100
14) Carbon disulfide	2.793	76	460047	48.848	ug/L	98
15) Methyl Acetate	2.948	43	226924	54.804	ug/L	99
16) Methylene chloride	3.044	84	197524	47.764	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	161383	52.868	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	495872	53.286	ug/L	99
19) 1,1-Dichloroethane	3.871	63	320854	52.019	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	184592	54.538	ug/L	95
22) 2-Butanone	4.703	43	368658	127.469	ug/L	100
23) Bromochloromethane	4.973	128	99028	55.825	ug/L	95
25) Chloroform	5.089	83	336363	54.719	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	263381	56.380	ug/L	98
29) Cyclohexane	5.391	56	245509	44.821	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	264707	49.989	ug/L	100
31) Carbon tetrachloride	5.523	117	218242	49.612	ug/L	99
33) Benzene	5.774	78	751091	51.276	ug/L	100
34) Trichloroethene	6.543	95	182162	53.537	ug/L	98
35) Methylcyclohexane	6.764	83	263824	48.122	ug/L	98
37) 1,2-Dichloropropane	6.790	63	208065	51.909	ug/L	100
38) Bromodichloromethane	7.105	83	254241	53.237	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	274896	51.250	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	602707	109.107	ug/L	99
42) Toluene	7.970	91	786199	54.066	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	273972	53.694	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	196697	53.250	ug/L	99
46) Tetrachloroethene	8.552	164	126585	51.770	ug/L	99
48) 2-Hexanone	8.684	43	532516	115.367	ug/L	98
49) Dibromochloromethane	8.809	129	197480	54.524	ug/L	98
50) 1,2-Dibromoethane	8.922	107	207347	54.103	ug/L	100
51) Chlorobenzene	9.446	112	467057	52.611	ug/L	99
52) Ethylbenzene	9.571	91	769489	53.044	ug/L	99
53) m,p-Xylene	9.694	106	302818	56.147	ug/L	98
54) o-Xylene	10.102	106	290868	54.128	ug/L	99
55) Styrene	10.115	104	533908	57.950	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	340804	49.862	ug/L	98
59) Bromoform	10.292	173	148182	48.866	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	277517	46.961	ug/L	99
61) Isopropylbenzene	10.484	105	738968	49.217	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	621395	50.345	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	634525	51.912	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	358754	52.250	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	360318	51.691	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	368428	50.678	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	83692	51.492	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	253457	52.761	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	206956	52.643	ug/L	99
71) Naphthalene	14.086	128	750601	49.679	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	232436	52.827	ug/L	100

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

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