

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100322\
 Data File : VU051099.D
 Acq On : 03 Oct 2022 22:24
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

Quant Time: Oct 03 23:34:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 03:04:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	402857	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	406090	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	209919	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	159841	39.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.300%
7) Chloroethane-d5	1.903	69	143720	37.895	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.568	63	275762	45.725	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.460%
21) 2-Butanone-d5	4.616	46	186440	70.408	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.410%
24) Chloroform-d	5.060	84	317726	48.303	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.697	65	196981	48.381	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
32) Benzene-d6	5.726	84	629875	52.967	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.940%
36) 1,2-Dichloropropane-d6	6.687	67	210986	54.677	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.360%
41) Toluene-d8	7.896	98	566696	51.578	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.160%
43) trans-1,3-Dichloroprop...	8.176	79	87538	47.561	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.120%
47) 2-Hexanone-d5	8.629	63	101180	64.937	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	64.940%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	305739	45.335	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.680%
66) 1,2-Dichlorobenzene-d4	12.192	152	205110	45.738	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	168799	49.968	ug/L	100
3) Chloromethane	1.520	50	205190	51.409	ug/L	99
5) Vinyl chloride	1.604	62	210244	49.634	ug/L	100
6) Bromomethane	1.842	94	114424	32.611	ug/L	99
8) Chloroethane	1.925	64	134163	43.133	ug/L	98
9) Trichlorofluoromethane	2.134	101	249280	43.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	156682	50.945	ug/L	98
12) 1,1-Dichloroethene	2.578	96	142540	49.616	ug/L	93
13) Acetone	2.620	43	146451	69.259	ug/L	98
14) Carbon disulfide	2.790	76	444638	52.359	ug/L	100
15) Methyl Acetate	2.945	43	165232	42.801	ug/L	97
16) Methylene chloride	3.041	84	203631	49.376	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	152884	50.022	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	472360	50.857	ug/L	99
19) 1,1-Dichloroethane	3.867	63	317763	54.734	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	175368	51.389	ug/L	96
22) 2-Butanone	4.697	43	225129	77.059	ug/L	98
23) Bromochloromethane	4.973	128	97324	52.051	ug/L	94
25) Chloroform	5.086	83	333629	52.832	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	253840	52.475	ug/L	98
29) Cyclohexane	5.388	56	227668	57.578	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	253940	53.320	ug/L	99
31) Carbon tetrachloride	5.523	117	211071	54.319	ug/L	97
33) Benzene	5.771	78	737473	59.568	ug/L	100
34) Trichloroethene	6.539	95	166538	51.935	ug/L	99
35) Methylcyclohexane	6.761	83	241728	55.387	ug/L	96
37) 1,2-Dichloropropane	6.787	63	204481	61.333	ug/L	100
38) Bromodichloromethane	7.102	83	258564	58.114	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	261638	55.413	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	456445	94.538	ug/L	98
42) Toluene	7.967	91	770547	58.514	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	251017	52.580	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	194084	53.744	ug/L	98
46) Tetrachloroethene	8.549	164	120805	49.712	ug/L	100
48) 2-Hexanone	8.681	43	367777	83.864	ug/L	98
49) Dibromochloromethane	8.806	129	200792	52.885	ug/L	99
50) 1,2-Dibromoethane	8.919	107	195034	49.813	ug/L	98
51) Chlorobenzene	9.443	112	460297	51.400	ug/L	98
52) Ethylbenzene	9.568	91	732405	52.142	ug/L	98
53) m,p-Xylene	9.690	106	289297	54.769	ug/L	98
54) o-Xylene	10.099	106	287003	54.361	ug/L	98
55) Styrene	10.111	104	514515	56.385	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	329454	51.548	ug/L	99
59) Bromoform	10.288	173	143168	46.353	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	241468	43.711	ug/L	99
61) Isopropylbenzene	10.481	105	698385	51.214	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	581641	52.162	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	596965	53.415	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	342800	48.763	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	345381	49.148	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	360459	49.906	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	60899	37.777	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	228458	47.923	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	171925	44.078	ug/L	99
71) Naphthalene	14.086	128	518664	37.152	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	192989	44.340	ug/L	99

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

