

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040522\
 Data File : VU047821.D
 Acq On : 05 Apr 2022 15:03
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Quant Time: Apr 06 03:36:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 06 03:35:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	358078	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	366068	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	223829	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	154372	59.450	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 118.900%	
7) Chloroethane-d5	1.915	69	126563	61.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 123.620%	
11) 1,1-Dichloroethene-d2	2.571	63	241302	50.792	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.580%	
21) 2-Butanone-d5	4.620	46	232816	104.460	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 104.460%	
24) Chloroform-d	5.066	84	274419	57.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 115.520%	
26) 1,2-Dichloroethane-d4	5.703	65	168340	57.769	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 115.540%	
32) Benzene-d6	5.732	84	554236	60.169	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 120.340%	
36) 1,2-Dichloropropane-d6	6.693	67	169440	59.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 119.800%	
41) Toluene-d8	7.899	98	534226	59.527	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 119.060%	
43) trans-1,3-Dichloroprop...	8.182	79	80179	55.945	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 111.900%	
47) 2-Hexanone-d5	8.632	63	176255	106.433	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 106.430%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	272078	56.043	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 112.080%	
66) 1,2-Dichlorobenzene-d4	12.195	152	231600	58.160	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 116.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	126139	37.997	ug/L	99
3) Chloromethane	1.526	50	125988	39.684	ug/L	99
5) Vinyl chloride	1.607	62	128569	39.708	ug/L	99
6) Bromomethane	1.858	94	71149	40.826	ug/L	98
8) Chloroethane	1.935	64	78766	38.751	ug/L	98
9) Trichlorofluoromethane	2.141	101	170827	37.414	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	104404	39.558	ug/L	98
12) 1,1-Dichloroethene	2.584	96	94635	38.528	ug/L	98
13) Acetone	2.623	43	154664	74.570	ug/L	97
14) Carbon disulfide	2.796	76	269574	34.721	ug/L	99
15) Methyl Acetate	2.948	43	117070	35.397	ug/L	98
16) Methylene chloride	3.050	84	116160	41.212	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	101028	38.133	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	296544	39.675	ug/L	99
19) 1,1-Dichloroethane	3.874	63	181628	39.751	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	116700	40.179	ug/L	97
22) 2-Butanone	4.700	43	186799	69.916	ug/L	97
23) Bromochloromethane	4.980	128	64212	40.266	ug/L	99
25) Chloroform	5.092	83	197478	40.144	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	149830	39.423	ug/L	98
29) Cyclohexane	5.391	56	147333	39.663	ug/L	97
30) 1,1,1-Trichloroethane	5.320	97	162535	39.157	ug/L	99
31) Carbon tetrachloride	5.529	117	140798	37.564	ug/L	98
33) Benzene	5.777	78	432065	40.776	ug/L	100
34) Trichloroethene	6.545	95	112235	40.402	ug/L	99
35) Methylcyclohexane	6.767	83	168956	39.979	ug/L	99
37) 1,2-Dichloropropane	6.793	63	110930	41.182	ug/L	100
38) Bromodichloromethane	7.108	83	146996	39.740	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	166528	39.844	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	314697	73.920	ug/L	100
42) Toluene	7.973	91	482758	41.523	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	163149	39.096	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	115421	40.402	ug/L	99
46) Tetrachloroethene	8.555	164	99550	39.878	ug/L	100
48) 2-Hexanone	8.687	43	267752	73.115	ug/L	99
49) Dibromochloromethane	8.812	129	127148	38.427	ug/L	99
50) 1,2-Dibromoethane	8.925	107	127288	39.744	ug/L	100
51) Chlorobenzene	9.449	112	319805	40.512	ug/L	99
52) Ethylbenzene	9.571	91	500249	40.921	ug/L	100
53) m,p-Xylene	9.697	106	196769	41.022	ug/L	99
54) o-Xylene	10.102	106	190913	40.552	ug/L	98
55) Styrene	10.118	104	335500	41.741	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	209366	39.092	ug/L	99
59) Bromoform	10.295	173	103458	36.147	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	160539	38.046	ug/L	100
61) Isopropylbenzene	10.487	105	500335	41.361	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	263346	40.123	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	413715	41.497	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	269342	40.059	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	273806	39.315	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	270176	40.159	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	45763	33.858	ug/L	99
69) 1,3,5-Trichlorobenzene	13.220	180	217919	39.907	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	195868	40.951	ug/L	99
71) Naphthalene	14.089	128	604600	42.399	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	202861	42.308	ug/L	99

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

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