

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042222\
 Data File : VU048238.D
 Acq On : 22 Apr 2022 20:31
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

Quant Time: Apr 22 22:05:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 21:59:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	334466	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	333958	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	201202	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	117274	48.352	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.700%
7) Chloroethane-d5	1.887	69	71632	37.456	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.920%
11) 1,1-Dichloroethene-d2	2.562	63	193815	43.676	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.360%
21) 2-Butanone-d5	4.626	46	181725	87.292	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.290%
24) Chloroform-d	5.063	84	200975	45.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.580%
26) 1,2-Dichloroethane-d4	5.703	65	122313	44.937	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.880%
32) Benzene-d6	5.726	84	414286	49.300	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.690	67	131957	51.132	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.260%
41) Toluene-d8	7.899	98	372897	45.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.100%
43) trans-1,3-Dichloroprop...	8.179	79	55362	42.343	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.680%
47) 2-Hexanone-d5	8.639	63	142822	94.536	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.540%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	230733	52.096	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	163024	45.543	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	125288	40.405	ug/L	99
3) Chloromethane	1.520	50	139906	47.179	ug/L	99
5) Vinyl chloride	1.607	62	142334	47.062	ug/L	100
6) Bromomethane	1.838	94	54560	33.517	ug/L	96
8) Chloroethane	1.909	64	89816	47.307	ug/L	99
9) Trichlorofluoromethane	2.124	101	193638	45.404	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	121940	49.464	ug/L	99
12) 1,1-Dichloroethene	2.575	96	106982	46.630	ug/L	85
13) Acetone	2.629	43	142765	73.692	ug/L	99
14) Carbon disulfide	2.787	76	255545	35.237	ug/L	99
15) Methyl Acetate	2.948	43	159746	51.711	ug/L	96
16) Methylene chloride	3.044	84	141584	53.778	ug/L	98
17) trans-1,2-Dichloroethene	3.349	96	114969	46.459	ug/L	94
18) Methyl tert-butyl Ether	3.366	73	382358	54.768	ug/L	97
19) 1,1-Dichloroethane	3.867	63	237882	55.738	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	139136	51.286	ug/L	90
22) 2-Butanone	4.706	43	242128	97.023	ug/L	96
23) Bromochloromethane	4.976	128	74844	50.247	ug/L	96
25) Chloroform	5.089	83	244544	53.221	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	181186	51.039	ug/L	99
29) Cyclohexane	5.388	56	172534	50.914	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	197503	52.156	ug/L	100
31) Carbon tetrachloride	5.523	117	166648	48.736	ug/L	100
33) Benzene	5.774	78	540445	55.909	ug/L	100
34) Trichloroethene	6.539	95	127526	50.321	ug/L	99
35) Methylcyclohexane	6.761	83	179985	46.683	ug/L	96
37) 1,2-Dichloropropane	6.790	63	150295	61.161	ug/L	99
38) Bromodichloromethane	7.105	83	181631	53.824	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	198695	52.111	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	473926	122.025	ug/L	98
42) Toluene	7.970	91	557507	52.563	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	195084	51.243	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	151670	58.196	ug/L	100
46) Tetrachloroethene	8.552	164	106451	46.742	ug/L	99
48) 2-Hexanone	8.690	43	400240	119.803	ug/L	99
49) Dibromochloromethane	8.812	129	162336	53.779	ug/L	99
50) 1,2-Dibromoethane	8.925	107	155916	53.364	ug/L	100
51) Chlorobenzene	9.449	112	379329	52.672	ug/L	97
52) Ethylbenzene	9.571	91	561689	50.365	ug/L	100
53) m,p-Xylene	9.693	106	225005	51.419	ug/L	100
54) o-Xylene	10.102	106	231217	53.836	ug/L	100
55) Styrene	10.115	104	401672	54.778	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	310280	63.505	ug/L	99
59) Bromoform	10.295	173	137626	53.492	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	237599	62.642	ug/L	98
61) Isopropylbenzene	10.484	105	573459	52.737	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	303444	51.432	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	481265	53.701	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	315934	52.273	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	318957	50.949	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	358090	59.212	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	59123	48.662	ug/L	96
69) 1,3,5-Trichlorobenzene	13.220	180	225142	45.867	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	200521	46.639	ug/L	99
71) Naphthalene	14.089	128	528174	41.204	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	196826	45.666	ug/L	98

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

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