

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042322\
 Data File : VU048257.D
 Acq On : 23 Apr 2022 19:35
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050098

Quant Time: Apr 25 01:28:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 25 01:24:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	320435	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	332231	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	187933	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	114598	49.317	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.640%
7) Chloroethane-d5	1.890	69	70406	38.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.860%
11) 1,1-Dichloroethene-d2	2.565	63	194228	45.686	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.380%
21) 2-Butanone-d5	4.626	46	181119	90.811	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.810%
24) Chloroform-d	5.063	84	196810	46.289	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.580%
26) 1,2-Dichloroethane-d4	5.703	65	118048	45.270	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.540%
32) Benzene-d6	5.726	84	404445	48.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
36) 1,2-Dichloropropane-d6	6.690	67	130381	50.784	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.560%
41) Toluene-d8	7.899	98	369677	45.387	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.780%
43) trans-1,3-Dichloroprop...	8.179	79	50733	39.005	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.000%
47) 2-Hexanone-d5	8.639	63	139589	92.877	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	229706	52.134	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.260%
66) 1,2-Dichlorobenzene-d4	12.195	152	160401	47.974	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	125915	42.385	ug/L	100
3) Chloromethane	1.520	50	141990	49.978	ug/L	99
5) Vinyl chloride	1.604	62	145518	50.222	ug/L	98
6) Bromomethane	1.842	94	59076	37.880	ug/L	97
8) Chloroethane	1.912	64	88600	48.710	ug/L	97
9) Trichlorofluoromethane	2.128	101	186493	45.643	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	119470	50.584	ug/L	99
12) 1,1-Dichloroethene	2.575	96	109502	49.818	ug/L	88
13) Acetone	2.629	43	148870	80.208	ug/L	99
14) Carbon disulfide	2.790	76	263823	37.972	ug/L	100
15) Methyl Acetate	2.948	43	174402	58.927	ug/L	95
16) Methylene chloride	3.044	84	144791	57.404	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	114710	48.384	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	387148	57.882	ug/L	97
19) 1,1-Dichloroethane	3.867	63	241671	59.105	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	140940	54.226	ug/L	95
22) 2-Butanone	4.707	43	250165	104.632	ug/L	93
23) Bromochloromethane	4.977	128	77678	54.433	ug/L	95
25) Chloroform	5.089	83	250270	56.852	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	179771	52.858	ug/L	98
29) Cyclohexane	5.388	56	172548	51.183	ug/L	94
30) 1,1,1-Trichloroethane	5.314	97	203253	53.954	ug/L	99
31) Carbon tetrachloride	5.523	117	170674	50.173	ug/L	100
33) Benzene	5.774	78	542924	56.457	ug/L	100
34) Trichloroethene	6.542	95	128408	50.932	ug/L	99
35) Methylcyclohexane	6.764	83	178100	46.435	ug/L	95
37) 1,2-Dichloropropane	6.790	63	152339	62.315	ug/L	99
38) Bromodichloromethane	7.105	83	188187	56.057	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	182499	48.112	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	467617	121.026	ug/L	98
42) Toluene	7.970	91	573538	54.355	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	180304	47.607	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	156123	60.216	ug/L	99
46) Tetrachloroethene	8.552	164	108236	47.773	ug/L	99
48) 2-Hexanone	8.690	43	402391	121.073	ug/L	98
49) Dibromochloromethane	8.812	129	168083	55.972	ug/L	98
50) 1,2-Dibromoethane	8.925	107	161416	55.533	ug/L	99
51) Chlorobenzene	9.449	112	386519	53.950	ug/L	99
52) Ethylbenzene	9.571	91	581578	52.420	ug/L	99
53) m,p-Xylene	9.693	106	237713	54.605	ug/L	99
54) o-Xylene	10.102	106	238170	55.743	ug/L	97
55) Styrene	10.115	104	411958	56.473	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	314731	64.751	ug/L	98
59) Bromoform	10.295	173	142027	59.101	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	240832	67.977	ug/L	98
61) Isopropylbenzene	10.484	105	578788	56.985	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	305148	55.372	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	490450	58.590	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	310396	54.982	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	308913	52.829	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	330297	58.473	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	61041	53.787	ug/L	92
69) 1,3,5-Trichlorobenzene	13.217	180	222212	48.466	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	178403	44.424	ug/L	100
71) Naphthalene	14.086	128	532818	44.502	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	190406	47.296	ug/L	99

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

