

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060922\
 Data File : VU048989.D
 Acq On : 09 Jun 2022 20:26
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050143

Quant Time: Jun 10 01:06:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 01:01:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	317522	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	306226	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	173324	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	106152	54.583	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 109.160%			
7) Chloroethane-d5	1.887	69	76116	52.241	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.480%			
11) 1,1-Dichloroethene-d2	2.562	63	194406	44.200	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.400%			
21) 2-Butanone-d5	4.620	46	222335	120.134	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 120.130%			
24) Chloroform-d	5.060	84	222271	45.228	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.460%			
26) 1,2-Dichloroethane-d4	5.700	65	141170	40.717	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.440%			
32) Benzene-d6	5.726	84	410379	48.152	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.300%			
36) 1,2-Dichloropropane-d6	6.690	67	139180	55.628	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 111.260%			
41) Toluene-d8	7.896	98	377185	47.052	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.100%			
43) trans-1,3-Dichloroprop...	8.179	79	67176	41.988	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.980%			
47) 2-Hexanone-d5	8.633	63	171320	124.860	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 124.860%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	234955	56.752	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 113.500%			
66) 1,2-Dichlorobenzene-d4	12.195	152	170621	48.154	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	147049	43.095	ug/L	98
3) Chloromethane	1.520	50	154992	73.617	ug/L	99
5) Vinyl chloride	1.601	62	142441	63.599	ug/L	97
6) Bromomethane	1.829	94	76478	47.300	ug/L	99
8) Chloroethane	1.913	64	80217	60.851	ug/L	96
9) Trichlorofluoromethane	2.125	101	193558	44.269	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	106072	47.576	ug/L	97
12) 1,1-Dichloroethene	2.572	96	99206	48.021	ug/L	97
13) Acetone	2.623	43	140452	93.412	ug/L	93
14) Carbon disulfide	2.784	76	261319	43.588	ug/L	98
15) Methyl Acetate	2.945	43	159290	62.073	ug/L	93
16) Methylene chloride	3.041	84	122668	51.003	ug/L	93
17) trans-1,2-Dichloroethene	3.347	96	104333	46.824	ug/L	95
18) Methyl tert-butyl Ether	3.363	73	391552	50.649	ug/L	96
19) 1,1-Dichloroethane	3.864	63	219198	53.734	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	124913	49.711	ug/L	98
22) 2-Butanone	4.700	43	234190	122.669	ug/L	94
23) Bromochloromethane	4.970	128	66854	47.946	ug/L	# 85
25) Chloroform	5.086	83	230996	48.513	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	182538	44.689	ug/L #	95
29) Cyclohexane	5.385	56	173331	55.108	ug/L	92
30) 1,1,1-Trichloroethane	5.314	97	203256	43.836	ug/L	98
31) Carbon tetrachloride	5.520	117	172658	40.859	ug/L	99
33) Benzene	5.771	78	479215	53.564	ug/L	100
34) Trichloroethene	6.539	95	119696	47.288	ug/L	98
35) Methylcyclohexane	6.761	83	176061	48.471	ug/L	96
37) 1,2-Dichloropropane	6.790	63	132989	59.449	ug/L	98
38) Bromodichloromethane	7.105	83	174443	48.197	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	189869	49.712	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	446414	130.766	ug/L	97
42) Toluene	7.970	91	489642	50.213	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	184963	45.921	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	130140	54.324	ug/L	95
46) Tetrachloroethene	8.552	164	89697	43.427	ug/L	96
48) 2-Hexanone	8.684	43	382374	130.727	ug/L	99
49) Dibromochloromethane	8.809	129	142666	46.321	ug/L	99
50) 1,2-Dibromoethane	8.922	107	135019	48.836	ug/L	97
51) Chlorobenzene	9.446	112	327428	48.144	ug/L	99
52) Ethylbenzene	9.571	91	523940	47.017	ug/L	100
53) m,p-Xylene	9.694	106	205723	45.938	ug/L	97
54) o-Xylene	10.102	106	214154	49.916	ug/L	99
55) Styrene	10.115	104	368504	49.401	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	248452	60.008	ug/L	98
59) Bromoform	10.292	173	120506	50.579	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	204424	59.470	ug/L	97
61) Isopropylbenzene	10.485	105	552996	51.806	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	311013	51.250	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	486831	51.590	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	262174	47.627	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	261519	45.782	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	275595	49.223	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	61780	46.485	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	176399	40.205	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	146057	36.806	ug/L	99
71) Naphthalene	14.089	128	499664	38.187	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	158456	39.771	ug/L	98

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

