

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071923\
 Data File : VU054824.D
 Acq On : 19 Jul 2023 16:57
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050107

Quant Time: Jul 20 02:35:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 20 02:33:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	135873	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	130710	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71931	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	42496	40.466	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.940%		
7) Chloroethane-d5	1.888	69	46985	44.726	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.460%		
11) 1,1-Dichloroethene-d2	2.560	63	61247	40.658	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.320%		
21) 2-Butanone-d5	4.618	46	69288	102.647	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.650%		
24) Chloroform-d	5.058	84	78920	48.277	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.560%		
26) 1,2-Dichloroethane-d4	5.695	65	47693	48.721	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.440%		
32) Benzene-d6	5.721	84	143620	46.127	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.260%		
36) 1,2-Dichloropropane-d6	6.685	67	49889	47.586	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.180%		
41) Toluene-d8	7.894	98	137650	46.395	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.780%		
43) trans-1,3-Dichloroprop...	8.174	79	20936	39.037	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.080%		
47) 2-Hexanone-d5	8.631	63	48388	97.639	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.640%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	93285	48.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.880%		
66) 1,2-Dichlorobenzene-d4	12.190	152	60459	48.913	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	38472	37.466	ug/L	97
3) Chloromethane	1.518	50	43179	36.872	ug/L	96
5) Vinyl chloride	1.602	62	64575	42.411	ug/L	100
6) Bromomethane	1.827	94	76802	82.874	ug/L	100
8) Chloroethane	1.911	64	48145	45.709	ug/L	98
9) Trichlorofluoromethane	2.123	101	122008	50.065	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	40742	45.319	ug/L	99
12) 1,1-Dichloroethene	2.570	96	37110	43.895	ug/L	94
13) Acetone	2.621	43	46853	82.524	ug/L	99
14) Carbon disulfide	2.785	76	76779	31.102	ug/L	99
15) Methyl Acetate	2.943	43	50918	53.768	ug/L	99
16) Methylene chloride	3.039	84	48290	47.316	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	37848	43.252	ug/L	95
18) Methyl tert-butyl Ether	3.357	73	161383	53.290	ug/L	100
19) 1,1-Dichloroethane	3.859	63	82596	49.467	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	51731	49.738	ug/L	99
22) 2-Butanone	4.695	43	79499	101.424	ug/L	100
23) Bromochloromethane	4.968	128	26408	49.909	ug/L	95
25) Chloroform	5.081	83	91738	52.394	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	68253	51.329	ug/L	100
29) Cyclohexane	5.380	56	55486	38.605	ug/L	96
30) 1,1,1-Trichloroethane	5.309	97	72813	50.195	ug/L	99
31) Carbon tetrachloride	5.518	117	61136	48.803	ug/L	100
33) Benzene	5.766	78	180927	48.311	ug/L	100
34) Trichloroethene	6.537	95	45549	47.781	ug/L	98
35) Methylcyclohexane	6.759	83	64399	41.336	ug/L	96
37) 1,2-Dichloropropane	6.785	63	54363	52.781	ug/L	100
38) Bromodichloromethane	7.103	83	70565	53.401	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	75799	44.621	ug/L	93
40) 4-Methyl-2-pentanone	7.785	43	171990	109.054	ug/L	99
42) Toluene	7.965	91	207528	49.521	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	71136	44.571	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	57826	55.067	ug/L	99
46) Tetrachloroethene	8.547	164	34311	46.947	ug/L	98
48) 2-Hexanone	8.679	43	135923	104.034	ug/L	98
49) Dibromochloromethane	8.804	129	56710	52.431	ug/L	97
50) 1,2-Dibromoethane	8.920	107	59680	52.800	ug/L	93
51) Chlorobenzene	9.444	112	138262	50.714	ug/L	99
52) Ethylbenzene	9.566	91	236318	48.775	ug/L	94
53) m,p-Xylene	9.692	106	89504	48.520	ug/L	95
54) o-Xylene	10.097	106	93630	49.964	ug/L	96
55) Styrene	10.110	104	161103	49.361	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	111942	53.994	ug/L	99
59) Bromoform	10.286	173	49145	54.622	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	78086	55.635	ug/L	98
61) Isopropylbenzene	10.479	105	249202	52.435	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	197509	50.462	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	181174	46.699	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	112944	51.241	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	112478	50.664	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	117646	53.133	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.991	75	20228	53.922	ug/L	88
69) 1,3,5-Trichlorobenzene	13.216	180	75591	51.160	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	67590	52.987	ug/L	99
71) Naphthalene	14.084	128	216888	51.804	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	66668	53.671	ug/L	98

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

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