

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054791.D
 Acq On : 17 Jul 2023 11:05
 Operator : MD/SY
 Sample : VSTD10032
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100032

Quant Time: Jul 18 05:34:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	240891	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	247094	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	148827	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	186670	100.261	ug/L	0.00
7) Chloroethane-d5	1.872	69	204826	109.975	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	282277	105.693	ug/L	0.00
21) 2-Butanone-d5	4.615	46	248027	207.252	ug/L	0.00
24) Chloroform-d	5.055	84	302635	104.421	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	181745	104.721	ug/L	0.00
32) Benzene-d6	5.721	84	596568	101.356	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	197544	99.674	ug/L	0.00
41) Toluene-d8	7.894	98	581958	103.760	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	103240	101.830	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	195881	209.086	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	377744	103.768	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	270109	105.618	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	196916	108.164	ug/L	100
3) Chloromethane	1.518	50	206796	99.604	ug/L	99
5) Vinyl chloride	1.602	62	279338	103.481	ug/L	100
6) Bromomethane	1.824	94	157237	95.701	ug/L	100
8) Chloroethane	1.898	64	194874	104.355	ug/L	100
9) Trichlorofluoromethane	2.116	101	464195	107.437	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	175327	110.001	ug/L	99
12) 1,1-Dichloroethene	2.566	96	160583	107.137	ug/L	93
13) Acetone	2.621	43	214699	213.297	ug/L	97
14) Carbon disulfide	2.779	76	478892	109.419	ug/L	100
15) Methyl Acetate	2.939	43	175828	104.726	ug/L	99
16) Methylene chloride	3.036	84	187598	103.679	ug/L	95
17) trans-1,2-Dichloroethene	3.341	96	165082	106.407	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	569079	105.992	ug/L	100
19) 1,1-Dichloroethane	3.859	63	314233	106.149	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	194154	105.292	ug/L	99
22) 2-Butanone	4.695	43	294148	213.986	ug/L	99
23) Bromochloromethane	4.968	128	99425	105.986	ug/L	92
25) Chloroform	5.081	83	329082	106.010	ug/L	98
27) 1,2-Dichloroethane	5.788	62	251190	106.552	ug/L	99
29) Cyclohexane	5.380	56	277142	102.002	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	285649	104.167	ug/L	99
31) Carbon tetrachloride	5.518	117	247615	104.562	ug/L	98
33) Benzene	5.766	78	736885	104.085	ug/L	100
34) Trichloroethene	6.537	95	189883	105.368	ug/L	97
35) Methylcyclohexane	6.756	83	315554	107.145	ug/L	98
37) 1,2-Dichloropropane	6.785	63	199715	102.573	ug/L	100
38) Bromodichloromethane	7.100	83	254056	101.703	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	339914	105.850	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	616587	206.814	ug/L	99
42) Toluene	7.965	91	830012	104.772	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	320110	106.099	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	202598	102.059	ug/L	98
46) Tetrachloroethene	8.550	164	148181	107.254	ug/L	97
48) 2-Hexanone	8.682	43	515468	213.927	ug/L	99
49) Dibromochloromethane	8.807	129	217049	106.152	ug/L	99
50) 1,2-Dibromoethane	8.920	107	219998	102.961	ug/L	94
51) Chlorobenzene	9.444	112	541697	105.106	ug/L	97
52) Ethylbenzene	9.566	91	975076	106.460	ug/L	95
53) m,p-Xylene	9.692	106	370915	106.366	ug/L	100
54) o-Xylene	10.097	106	375643	106.038	ug/L	90
55) Styrene	10.110	104	673944	109.232	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	409439	104.470	ug/L	97
59) Bromoform	10.290	173	194115	104.275	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	291740	100.462	ug/L	99
61) Isopropylbenzene	10.479	105	1023906	104.126	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	867623	107.137	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	867395	108.059	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	483836	106.093	ug/L	92
65) 1,4-Dichlorobenzene	11.833	146	492686	107.259	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	483630	105.568	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	78261	100.832	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	335197	109.647	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	305869	115.894	ug/L	99
71) Naphthalene	14.080	128	982575	113.430	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	294035	114.408	ug/L	99

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

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