

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052815.D
 Acq On : 26 Jan 2023 13:26
 Operator : JC/MD
 Sample : VSTD20071
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200071

Quant Time: Jan 27 04:14:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	295184	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	281838	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	174200	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	415497	131.857	ug/L	0.00
7) Chloroethane-d5	1.912	69	342213	137.652	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	830213	154.997	ug/L	0.00
21) 2-Butanone-d5	4.623	46	545178	275.419	ug/L	0.00
24) Chloroform-d	5.060	84	872924	167.921	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	557759	164.257	ug/L	0.00
32) Benzene-d6	5.726	84	1760206	181.557	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	514262	155.285	ug/L	0.00
41) Toluene-d8	7.896	98	1653307	198.748	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	280203	190.188	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	434389	372.009	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	757437	170.519	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	700477	204.233	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	509795	191.069	ug/L	99
3) Chloromethane	1.517	50	405196	119.709	ug/L	99
5) Vinyl chloride	1.604	62	471702	146.034	ug/L	98
6) Bromomethane	1.858	94	307578	190.557	ug/L	97
8) Chloroethane	1.932	64	288168	138.958	ug/L	96
9) Trichlorofluoromethane	2.138	101	768724	195.452	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	435721	186.949	ug/L	99
12) 1,1-Dichloroethene	2.578	96	413271	191.686	ug/L	97
13) Acetone	2.639	43	509977	244.274	ug/L	99
14) Carbon disulfide	2.790	76	1212520	184.115	ug/L	99
15) Methyl Acetate	2.948	43	395237	124.053	ug/L	98
16) Methylene chloride	3.041	84	461814	164.033	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	440554	194.583	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	1377221	191.072	ug/L	99
19) 1,1-Dichloroethane	3.864	63	772163	154.990	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	495877	197.165	ug/L	99
22) 2-Butanone	4.703	43	647251	268.000	ug/L	98
23) Bromochloromethane	4.970	128	261098	200.364	ug/L	97
25) Chloroform	5.083	83	859561	177.878	ug/L	99
27) 1,2-Dichloroethane	5.790	62	674005	169.575	ug/L	100
29) Cyclohexane	5.385	56	707295	187.286	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	771876	202.319	ug/L	100
31) Carbon tetrachloride	5.523	117	697939	217.973	ug/L	100
33) Benzene	5.771	78	1831680	181.792	ug/L	100
34) Trichloroethene	6.539	95	471055	200.784	ug/L	95
35) Methylcyclohexane	6.761	83	814657	219.286	ug/L	98
37) 1,2-Dichloropropane	6.787	63	441694	153.229	ug/L	99
38) Bromodichloromethane	7.102	83	658577	184.482	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	781403	199.509	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	1162277	309.243	ug/L	99
42) Toluene	7.967	91	1977686	201.176	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	760638	201.355	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	459796	186.920	ug/L	98
46) Tetrachloroethene	8.549	164	411365	242.699	ug/L	99
48) 2-Hexanone	8.684	43	948121	305.779	ug/L	97
49) Dibromochloromethane	8.806	129	560805	213.041	ug/L	97
50) 1,2-Dibromoethane	8.919	107	508245	202.153	ug/L	99
51) Chlorobenzene	9.443	112	1324159	209.455	ug/L	99
52) Ethylbenzene	9.568	91	2233785	217.863	ug/L	100
53) m,p-Xylene	9.690	106	906765	233.320	ug/L	99
54) o-xylene	10.099	106	873080	233.301	ug/L	94
55) Styrene	10.111	104	1510720	229.672	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	747844	170.641	ug/L	99
59) Bromoform	10.288	173	441904	211.604	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	596395	153.049	ug/L	99
61) Isopropylbenzene	10.481	105	2298630	212.777	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	2040208	230.043	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	2002886	229.338	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	1103057	212.097	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	1108522	202.606	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	1100306	205.298	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	183370	168.340	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	861665	232.309	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	772980	246.671	ug/L	98
71) Naphthalene	14.082	128	2291980	239.598	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	772853	239.112	ug/L	98

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

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