

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU052999.D
 Acq On : 08 Feb 2023 13:35
 Operator : JC/MD
 Sample : VSTD20077
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200077

Quant Time: Feb 09 00:36:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 00:33:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/09/2023
 Supervised By : Mahesh Dadoda 02/09/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	320142	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	310380	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	183007	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	609440	249.588	ug/L	0.00
7) Chloroethane-d5	1.913	69	494862	248.151	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	918661	200.819	ug/L	0.00
21) 2-Butanone-d5	4.624	46	482637	353.333	ug/L	0.00
24) Chloroform-d	5.058	84	983656	199.493	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	594520	192.102	ug/L	0.00
32) Benzene-d6	5.723	84	2072664	214.897	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	627921	220.093	ug/L	0.00
41) Toluene-d8	7.894	98	2048974	229.905	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	357481	243.988	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	415117	430.730	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	907088	217.275	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	859161	234.804	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	500275	171.025	ug/L	100
3) Chloromethane	1.518	50	450653	183.747	ug/L	99
5) Vinyl chloride	1.605	62	562918	203.584	ug/L	97
6) Bromomethane	1.859	94	405793	228.572	ug/L	100
8) Chloroethane	1.933	64	349889	202.097	ug/L	97
9) Trichlorofluoromethane	2.135	101	870193	190.612	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	436695	173.304	ug/L	98
12) 1,1-Dichloroethene	2.579	96	420191	180.619	ug/L	93
13) Acetone	2.640	43	333546	207.304	ug/L	94
14) Carbon disulfide	2.791	76	1233461	175.887	ug/L	99
15) Methyl Acetate	2.949	43	295640m	136.439	ug/L	
16) Methylene chloride	3.042	84	463645	168.512	ug/L	94
17) trans-1,2-Dichloroethene	3.351	96	451185	180.418	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	1400616	189.253	ug/L	98
19) 1,1-Dichloroethane	3.865	63	756876	173.366	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	506867	188.015	ug/L #	94
22) 2-Butanone	4.704	43	450676	261.447	ug/L	87
23) Bromochloromethane	4.968	128	270825	180.605	ug/L	96
25) Chloroform	5.084	83	869356	177.110	ug/L	99
27) 1,2-Dichloroethane	5.788	62	613808	161.159	ug/L	99
29) Cyclohexane	5.386	56	673821	185.178	ug/L	95
30) 1,1,1-Trichloroethane	5.312	97	770556	172.372	ug/L	99
31) Carbon tetrachloride	5.521	117	683716	176.323	ug/L	99
33) Benzene	5.772	78	1850839	178.342	ug/L	100
34) Trichloroethene	6.537	95	503481	188.071	ug/L	99
35) Methylcyclohexane	6.759	83	842444	197.722	ug/L	94
37) 1,2-Dichloropropane	6.788	63	463309	180.921	ug/L	98
38) Bromodichloromethane	7.100	83	671021	177.741	ug/L	99
39) cis-1,3-Dichloropropene	7.601	75	832877	204.096	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	913171	315.930	ug/L	94
42) Toluene	7.964	91	2097155	194.571	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	796662	199.277	ug/L	100

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45) 1,1,2-Trichloroethane	8.395	97	480025	182.879	ug/L	99
46) Tetrachloroethene	8.550	164	409828	180.685	ug/L	97
48) 2-Hexanone	8.681	43	724594	299.129	ug/L	93
49) Dibromochloromethane	8.807	129	597244	189.196	ug/L	99
50) 1,2-Dibromoethane	8.919	107	537230	189.073	ug/L	98
51) Chlorobenzene	9.444	112	1390240	188.177	ug/L	98
52) Ethylbenzene	9.566	91	2357592	203.477	ug/L	99
53) m,p-Xylene	9.691	106	935127	200.475	ug/L	97
54) o-xylene	10.096	106	931389	208.976	ug/L	94
55) Styrene	10.109	104	1599777	209.624	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	775137	183.828	ug/L	99
59) Bromoform	10.286	173	481179	192.958	ug/L	97
60) 1,2,3-Trichloropropane	10.820	75	568441	164.514	ug/L	98
61) Isopropylbenzene	10.479	105	2426555	204.270	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	2173288	217.937	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	2132833	221.118	ug/L	97
64) 1,3-Dichlorobenzene	11.739	146	1163023	195.273	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	1166215	190.096	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	1160228	194.146	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	181622	181.563	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	933655	208.760	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	858377	225.703	ug/L	98
71) Naphthalene	14.080	128	2502838	230.236	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	844496	213.687	ug/L	98

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

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