

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121620\
 Data File : VU041660.D
 Acq On : 16 Dec 2020 10:43
 Operator : SY/MD
 Sample : VSTD20035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

Quant Time: Dec 17 02:46:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 02:44:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	288801	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	259152	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	139136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	418578	178.22	ug/L	0.00
7) Chloroethane-d5	1.92	69	351337	194.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	769000	171.04	ug/L	0.00
21) 2-Butanone-d5	4.65	46	691811	356.41	ug/L	0.00
24) Chloroform-d	5.08	84	753123	180.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	474517	163.30	ug/L	0.00
32) Benzene-d6	5.74	84	1519873	206.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	483774	196.49	ug/L	0.00
41) Toluene-d8	7.91	98	1529785	227.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	264568	210.59	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	596749	528.61	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.76	84	762295	217.41	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	588676	216.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	427593	203.620 ug/L	99
3) Chloromethane	1.53	50	387291	160.959 ug/L	100
5) Vinyl chloride	1.61	62	445078	182.506 ug/L	99
6) Bromomethane	1.86	94	345764	247.055 ug/L	100
8) Chloroethane	1.94	64	295376	185.375 ug/L	97
9) Trichlorofluoromethane	2.14	101	669527	194.063 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	367773	172.057 ug/L	99
12) 1,1-Dichloroethene	2.59	96	359482	179.687 ug/L	98
13) Acetone	2.65	43	467561	240.312 ug/L	99
14) Carbon disulfide	2.80	76	1140865	179.507 ug/L	100
15) Methyl Acetate	2.96	43	446042	147.650 ug/L	100
16) Methylene chloride	3.06	84	397141	169.089 ug/L	99
17) trans-1,2-Dichloroethene	3.37	96	373476	180.907 ug/L	97
18) Methyl tert-butyl Ether	3.38	73	1201136	179.437 ug/L	99
19) 1,1-Dichloroethane	3.89	63	675694	159.847 ug/L	98
20) cis-1,2-Dichloroethene	4.68	96	416393	184.148 ug/L	97
22) 2-Butanone	4.72	43	704577	299.611 ug/L	100
23) Bromochloromethane	4.99	128	215616	180.499 ug/L	99
25) Chloroform	5.11	83	700898	163.233 ug/L	98
27) 1,2-Dichloroethane	5.81	62	545930	151.188 ug/L	98
29) Cyclohexane	5.40	56	632138	183.914 ug/L	100
30) 1,1,1-Trichloroethane	5.33	97	619400	185.906 ug/L	100
31) Carbon tetrachloride	5.54	117	542019	187.402 ug/L	100
33) Benzene	5.79	78	1589189	188.617 ug/L	100
34) Trichloroethene	6.55	95	429786	197.043 ug/L	98
35) Methylcyclohexane	6.77	83	717440	213.737 ug/L	98
37) 1,2-Dichloropropane	6.80	63	407545	174.243 ug/L	100
38) Bromodichloromethane	7.11	83	553655	185.400 ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	695502	203.942 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	1267656	344.903 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	1794710	208.075	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	679551	197.638	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	415319	199.198	ug/L	99
46) Tetrachloroethene	8.56	164	318595	202.392	ug/L	98
48) 2-Hexanone	8.70	43	1058678	359.895	ug/L	99
49) Dibromochloromethane	8.82	129	453624	198.842	ug/L	97
50) 1,2-Dibromoethane	8.93	107	435852	195.920	ug/L	99
51) Chlorobenzene	9.45	112	1101458	194.608	ug/L	99
52) Ethylbenzene	9.57	91	1908159	201.383	ug/L	99
53) m,p-Xylene	9.69	106	731426	210.171	ug/L	98
54) o-xylene	10.10	106	726813	213.579	ug/L	99
55) Styrene	10.11	104	1281286	221.203	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	743437	204.789	ug/L	99
59) Bromoform	10.29	173	376931	219.365	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	610218	186.948	ug/L	99
61) Isopropylbenzene	10.48	105	1926630	200.901	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	1689925	215.262	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	1741323	219.579	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	908317	199.241	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	916369	195.312	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	916172	200.884	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	196032	209.028	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	690770	229.476	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	644555	250.162	ug/L	99
71) Naphthalene	14.07	128	2228981	277.481	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	615517	242.482	ug/L	98

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

