

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\
 Data File : VU032189.D
 Acq On : 21 May 2019 10:54
 Operator : JC/SP
 Sample : VSTD20055
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20055

Quant Time: May 22 01:39:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 01:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	882995	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	911720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	486112	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	1076356	145.87	ug/L	0.00
7) Chloroethane-d5	1.65	69	931913	155.14	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.26	63	2025668	151.90	ug/L	0.00
21) 2-Butanone-d5	4.17	46	1489097	295.41	ug/L	0.00
24) Chloroform-d	4.64	84	2148512	169.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	1252875	158.34	ug/L	0.00
32) Benzene-d6	5.33	84	4507758	174.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	1310506	156.58	ug/L	0.00
41) Toluene-d8	7.56	98	4437312	189.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	698783	186.64	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1387760	401.19	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2240869	178.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	1919968	189.22	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1299531	163.230	ug/L	99
3) Chloromethane	1.32	50	1115418	130.181	ug/L	98
5) Vinyl chloride	1.40	62	1272653	140.291	ug/L	100
6) Bromomethane	1.60	94	764324	153.830	ug/L	100
8) Chloroethane	1.67	64	752737	139.814	ug/L	98
9) Trichlorofluoromethane	1.87	101	1777147	167.171	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1062765	163.913	ug/L	99
12) 1,1-Dichloroethene	2.27	96	1077072	167.604	ug/L	94
13) Acetone	2.32	43	1169019	223.996	ug/L	99
14) Carbon disulfide	2.47	76	3146991	154.198	ug/L	99
15) Methyl Acetate	2.61	43	953282	121.318	ug/L	99
16) Methylene chloride	2.69	84	1207595	155.864	ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	1135383	169.845	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	3401040	167.887	ug/L	99
19) 1,1-Dichloroethane	3.44	63	1883853	147.320	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	1318608	179.030	ug/L	98
22) 2-Butanone	4.25	43	1591376	267.790	ug/L	97
23) Bromochloromethane	4.54	128	673792	182.682	ug/L	98
25) Chloroform	4.67	83	2066288	160.337	ug/L	98
27) 1,2-Dichloroethane	5.40	62	1534233	155.653	ug/L	99
29) Cyclohexane	4.99	56	1677834	157.660	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	1772063	169.367	ug/L	99
31) Carbon tetrachloride	5.13	117	1567575	177.491	ug/L	100
33) Benzene	5.38	78	4711682	162.146	ug/L	100
34) Trichloroethene	6.18	95	1262701	172.738	ug/L	99
35) Methylcyclohexane	6.41	83	2014647	180.982	ug/L	99
37) 1,2-Dichloropropane	6.43	63	1133731	147.556	ug/L	99
38) Bromodichloromethane	6.75	83	1625394	168.674	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	2012991	182.023	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	2945138	290.504	ug/L	99

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42) Toluene	7.63	91	5498709	182.292	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	1799323	184.739	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	1279907	175.663	ug/L	97
46) Tetrachloroethene	8.22	164	1060634	198.969	ug/L	98
48) 2-Hexanone	8.36	43	2435970	295.450	ug/L	99
49) Dibromochloromethane	8.47	129	1439222	194.221	ug/L	98
50) 1,2-Dibromoethane	8.58	107	1392222	180.373	ug/L	98
51) Chlorobenzene	9.12	112	3627938	186.935	ug/L	99
52) Ethylbenzene	9.24	91	6133784	189.675	ug/L	100
53) m,p-Xylene	9.37	106	2436134	204.367	ug/L	98
54) o-xylene	9.77	106	2453125	207.419	ug/L	96
55) Styrene	9.79	104	4305087	212.492	ug/L	98
56) Isopropylbenzene	10.16	105	6315570	208.781	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	2216116	171.016	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	1701699	167.538	ug/L	99
61) Bromoform	9.95	173	1199466	185.016	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	3047673	191.777	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	3102737	185.412	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	3056339	181.674	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	490413	156.531	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	2347221	203.592	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	2063088	232.635	ug/L	99
69) Naphthalene	13.74	128	6533132	226.005	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	2094960	216.641	ug/L	98

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

