

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052819\
 Data File : VU032322.D
 Acq On : 28 May 2019 12:36
 Operator : JC/SP
 Sample : VSTD20057
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20057

Quant Time: May 29 04:49:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 04:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	892587	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	913134	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	487339	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	1212594	240.48	ug/L	0.00
7) Chloroethane-d5	1.65	69	968544	209.03	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.26	63	2140883	220.53	ug/L	0.00
21) 2-Butanone-d5	4.17	46	1770601	401.43	ug/L	0.00
24) Chloroform-d	4.64	84	2137382	180.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	1266982	172.90	ug/L	0.00
32) Benzene-d6	5.33	84	4523228	193.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	1391179	188.61	ug/L	0.00
41) Toluene-d8	7.56	98	4347338	203.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	727993	213.96	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1406707	452.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2237765	184.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	1849039	181.16	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1282154	220.153	ug/L	99
3) Chloromethane	1.32	50	1284886	183.178	ug/L	99
5) Vinyl chloride	1.40	62	1359972	205.196	ug/L	98
6) Bromomethane	1.60	94	845754	166.374	ug/L	98
8) Chloroethane	1.67	64	801122	182.019	ug/L	99
9) Trichlorofluoromethane	1.87	101	1725847	207.085	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1034610	212.753	ug/L	100
12) 1,1-Dichloroethene	2.27	96	1068032	200.791	ug/L	97
13) Acetone	2.32	43	1360087	364.913	ug/L	99
14) Carbon disulfide	2.47	76	3212013	201.011	ug/L	99
15) Methyl Acetate	2.61	43	1204171	174.034	ug/L	99
16) Methylene chloride	2.69	84	1208617	165.609	ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	1111796	182.790	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	3498962	171.950	ug/L	100
19) 1,1-Dichloroethane	3.44	63	1998247	183.384	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1283498	180.494	ug/L	99
22) 2-Butanone	4.25	43	1971367	402.776	ug/L	99
23) Bromochloromethane	4.54	128	647918	166.249	ug/L	98
25) Chloroform	4.67	83	2069183	172.328	ug/L	100
27) 1,2-Dichloroethane	5.40	62	1574630	169.080	ug/L	99
29) Cyclohexane	4.99	56	1869758	245.537	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	1743175	190.874	ug/L	100
31) Carbon tetrachloride	5.13	117	1521789	201.442	ug/L	100
33) Benzene	5.38	78	4750163	183.004	ug/L	100
34) Trichloroethene	6.18	95	1231722	189.573	ug/L	96
35) Methylcyclohexane	6.41	83	2028402	246.040	ug/L	99
37) 1,2-Dichloropropane	6.43	63	1227981	182.126	ug/L	100
38) Bromodichloromethane	6.75	83	1617042	174.529	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	2057009	207.375	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	3646732	394.292	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	5388937	196.152	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	1821349	208.474	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	1238248	169.435	ug/L	98
46) Tetrachloroethene	8.22	164	1011758	204.089	ug/L	98
48) 2-Hexanone	8.36	43	2998368	412.701	ug/L	99
49) Dibromochloromethane	8.47	129	1421192	182.891	ug/L	100
50) 1,2-Dibromoethane	8.58	107	1357520	173.040	ug/L	98
51) Chlorobenzene	9.12	112	3481418	189.707	ug/L	100
52) Ethylbenzene	9.24	91	6042875	213.134	ug/L	100
53) m,p-Xylene	9.37	106	2358584	215.467	ug/L	99
54) o-xylene	9.77	106	2364706	209.275	ug/L	99
55) Styrene	9.79	104	4140647	215.090	ug/L	99
56) Isopropylbenzene	10.16	105	6107977	227.373	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	2232550	179.389	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	1716855	175.183	ug/L	99
61) Bromoform	9.95	173	1171088	165.345	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	2921136	188.989	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	2959724	183.864	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	2920721	175.126	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	507867	169.942	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	2236062	202.676	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	2018535	232.507	ug/L	97
69) Naphthalene	13.74	128	6364831	214.428	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	2024720	204.868	ug/L	99

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

