

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030691.D
 Acq On : 04 Apr 2019 18:01
 Operator : JC/SP
 Sample : VSTD20050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20050

Quant Time: Apr 05 01:46:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:40:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	514821	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	490044	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	235638	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	862417	181.59	ug/L	0.00
7) Chloroethane-d5	1.66	69	653685	182.26	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.26	63	1586477	186.91	ug/L	0.00
21) 2-Butanone-d5	4.17	46	1572725	453.27	ug/L	0.00
24) Chloroform-d	4.64	84	1407154	202.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	917929	188.17	ug/L	0.00
32) Benzene-d6	5.33	84	2848464	199.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	980198	200.02	ug/L	0.00
41) Toluene-d8	7.56	98	2581427	206.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	490113	232.97	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1024668	498.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1332046	202.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	902932	192.16	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	818517	172.104	ug/L	100
3) Chloromethane	1.32	50	1045794	169.056	ug/L	100
5) Vinyl chloride	1.40	62	1027062	172.451	ug/L	97
6) Bromomethane	1.60	94	533549	173.780	ug/L	100
8) Chloroethane	1.68	64	579704	170.518	ug/L	99
9) Trichlorofluoromethane	1.87	101	1205052	174.883	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	662779	171.377	ug/L	98
12) 1,1-Dichloroethene	2.27	96	668345	182.153	ug/L	90
13) Acetone	2.32	43	1251134	310.938	ug/L	99
14) Carbon disulfide	2.47	76	2066299	180.700	ug/L	100
15) Methyl Acetate	2.61	43	1134364	195.455	ug/L	98
16) Methylene chloride	2.69	84	778271	170.744	ug/L	100
17) trans-1,2-Dichloroethene	2.97	96	686151	173.042	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	2434144	188.666	ug/L	100
19) 1,1-Dichloroethane	3.44	63	1458111	180.777	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	792807	185.538	ug/L	98
22) 2-Butanone	4.25	43	1788338	419.452	ug/L	95
23) Bromochloromethane	4.54	128	379629	189.023	ug/L	98
25) Chloroform	4.67	83	1401865	169.843	ug/L	98
27) 1,2-Dichloroethane	5.40	62	1123180	181.595	ug/L	99
29) Cyclohexane	4.99	56	1406693	202.079	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	1144759	187.459	ug/L	100
31) Carbon tetrachloride	5.13	117	982626	187.182	ug/L	99
33) Benzene	5.38	78	3104417	191.111	ug/L	100
34) Trichloroethene	6.18	95	768100	192.115	ug/L	99
35) Methylcyclohexane	6.41	83	1237011	206.509	ug/L	98
37) 1,2-Dichloropropane	6.43	63	877422	189.362	ug/L	99
38) Bromodichloromethane	6.75	83	1072279	192.958	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	1381487	224.103	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	3066716	434.532	ug/L	99

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42) Toluene	7.63	91	3262224	199.142	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	1226085	224.690	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	743075	190.260	ug/L	99
46) Tetrachloroethene	8.22	164	544067	185.134	ug/L	98
48) 2-Hexanone	8.36	43	2426293	447.275	ug/L	99
49) Dibromochloromethane	8.47	129	815842	198.916	ug/L	100
50) 1,2-Dibromoethane	8.58	107	826778	196.895	ug/L	97
51) Chlorobenzene	9.12	112	1956941	191.738	ug/L	100
52) Ethylbenzene	9.24	91	3601410	202.702	ug/L	100
53) m,p-Xylene	9.37	106	1293493	213.316	ug/L	99
54) o-xylene	9.77	106	1267434	207.984	ug/L	100
55) Styrene	9.79	104	2238667	218.070	ug/L	99
56) Isopropylbenzene	10.16	105	3348238	209.182	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	1361636	192.920	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	1061207	193.402	ug/L	99
61) Bromoform	9.95	173	615671	194.749	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	1442715	189.577	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	1460695	188.173	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	1415750	183.897	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	322452	203.385	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	1076758	196.272	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	984482	220.749	ug/L	99
69) Naphthalene	13.74	128	3442046	251.354	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	997009	209.718	ug/L	98

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

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