

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091619\
 Data File : VU034558.D
 Acq On : 16 Sep 2019 11:49
 Operator : JC/SP
 Sample : VSTD05032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: Sep 16 12:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 16 12:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	368058	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	345550	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	161280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	91234	28.27	ug/L	0.00
7) Chloroethane-d5	1.67	69	72083	28.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	187653	32.23	ug/L	0.00
21) 2-Butanone-d5	4.15	46	224090	103.17	ug/L	0.00
24) Chloroform-d	4.62	84	208729	39.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	127862	37.65	ug/L	0.00
32) Benzene-d6	5.32	84	401771	40.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	147402	46.28	ug/L	0.00
41) Toluene-d8	7.54	98	388457	43.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	71358	48.54	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	167943	126.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	231203	50.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	151903	46.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	118300	34.719 ug/L	99
3) Chloromethane	1.32	50	117208	35.800 ug/L	100
5) Vinyl chloride	1.40	62	116276	30.236 ug/L	99
6) Bromomethane	1.62	94	63694	42.748 ug/L	94
8) Chloroethane	1.69	64	67295	29.170 ug/L	99
9) Trichlorofluoromethane	1.87	101	166331	36.881 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	99609	38.628 ug/L	94
12) 1,1-Dichloroethene	2.27	96	90402	36.418 ug/L	89
13) Acetone	2.31	43	200320	100.978 ug/L	98
14) Carbon disulfide	2.46	76	221184	27.705 ug/L	99
15) Methyl Acetate	2.60	43	159827	46.263 ug/L	100
16) Methylene chloride	2.68	84	118216	39.527 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	96855	36.327 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	401415	49.739 ug/L	99
19) 1,1-Dichloroethane	3.42	63	219053	41.226 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	123675	42.141 ug/L	99
22) 2-Butanone	4.23	43	265791	106.639 ug/L	96
23) Bromochloromethane	4.52	128	59441	39.383 ug/L	96
25) Chloroform	4.65	83	225401	42.832 ug/L	99
27) 1,2-Dichloroethane	5.38	62	160623	38.898 ug/L	99
29) Cyclohexane	4.97	56	175549	44.031 ug/L	95
30) 1,1,1-Trichloroethane	4.89	97	180499	45.357 ug/L	98
31) Carbon tetrachloride	5.11	117	152427	43.152 ug/L	99
33) Benzene	5.37	78	465062	44.509 ug/L	100
34) Trichloroethene	6.16	95	115703	42.677 ug/L	99
35) Methylcyclohexane	6.39	83	172297	42.154 ug/L	97
37) 1,2-Dichloropropane	6.41	63	140130	49.021 ug/L	98
38) Bromodichloromethane	6.73	83	180323	48.818 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	222353	52.333 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	497644	121.550 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	500664	46.306	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	197597	51.609	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	129750	49.471	ug/L	97
46) Tetrachloroethene	8.21	164	75924	36.035	ug/L	89
48) 2-Hexanone	8.34	43	386002	121.418	ug/L	97
49) Dibromochloromethane	8.45	129	146082	50.209	ug/L	98
50) 1,2-Dibromoethane	8.56	107	130892	46.799	ug/L	98
51) Chlorobenzene	9.10	112	318151	44.491	ug/L	98
52) Ethylbenzene	9.23	91	569642	48.777	ug/L	100
53) m,p-Xylene	9.35	106	207212	48.148	ug/L	100
54) o-xylene	9.76	106	211218	49.790	ug/L	99
55) Styrene	9.77	104	366362	50.720	ug/L	100
56) Isopropylbenzene	10.14	105	560769	50.870	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	251049	55.227	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	189869	51.972	ug/L	99
61) Bromoform	9.94	173	106378	52.287	ug/L #	95
62) 1,3-Dichlorobenzene	11.39	146	243999	48.163	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	243668	46.418	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	248788	49.223	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	57791	62.345	ug/L	96
67) 1,3,5-Trichlorobenzene	12.86	180	164013	42.118	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	145541	45.582	ug/L	97
69) Naphthalene	13.72	128	554411	58.156	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	143884	42.641	ug/L	98

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

