

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031919\
 Data File : VU030184.D
 Acq On : 19 Mar 2019 11:16
 Operator : JC/SP
 Sample : VSTD00544
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 3:15:22 PM

Quant Time: Mar 20 02:31:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 02:24:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	537100	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	515192	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	251821	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	17402	4.79	ug/L	0.00
7) Chloroethane-d5	1.68	69	14517	5.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	34244	5.17	ug/L	0.00
21) 2-Butanone-d5	4.19	46	23985m	9.07	ug/L	0.01
24) Chloroform-d	4.65	84	33252	4.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	18988	4.99	ug/L	0.00
32) Benzene-d6	5.34	84	65997	4.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	20768	4.94	ug/L	0.00
41) Toluene-d8	7.56	98	60863	4.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	9356	4.57	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	18332	8.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	32237	5.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	27589	5.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	24861	5.467 ug/L	99
3) Chloromethane	1.33	50	24396	5.542 ug/L	98
5) Vinyl chloride	1.40	62	25670	5.494 ug/L	100
6) Bromomethane	1.63	94	13850	5.477 ug/L	99
8) Chloroethane	1.70	64	15132	5.477 ug/L	99
9) Trichlorofluoromethane	1.89	101	32227	5.431 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	19918	5.520 ug/L	99
12) 1,1-Dichloroethene	2.28	96	19631	5.478 ug/L	97
13) Acetone	2.32	43	34882	12.390 ug/L	99
14) Carbon disulfide	2.48	76	58091	5.428 ug/L	96
15) Methyl Acetate	2.62	43	22220	5.427 ug/L	100
16) Methylene chloride	2.70	84	21973	5.407 ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	21002	5.562 ug/L	90
18) Methyl tert-butyl Ether	3.00	73	56369	5.189 ug/L	99
19) 1,1-Dichloroethane	3.44	63	34898	5.373 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	21286	5.145 ug/L	90
22) 2-Butanone	4.27	43	33644m	10.349 ug/L	
23) Bromochloromethane	4.55	128	12188	5.504 ug/L	96
25) Chloroform	4.67	83	36835	5.443 ug/L	90
27) 1,2-Dichloroethane	5.41	62	25792	5.378 ug/L	98
29) Cyclohexane	4.99	56	28754	5.137 ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	29856	5.377 ug/L	99
31) Carbon tetrachloride	5.13	117	26312	5.353 ug/L	100
33) Benzene	5.39	78	79065	5.319 ug/L	100
34) Trichloroethene	6.19	95	21751	5.552 ug/L	93
35) Methylcyclohexane	6.41	83	31641	5.150 ug/L	98
37) 1,2-Dichloropropane	6.43	63	19065	5.008 ug/L	99
38) Bromodichloromethane	6.75	83	25722	5.255 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	30614	5.012 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	53306	10.189 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	82859	5.122	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	25471	4.819	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	21121	5.405	ug/L	97
46) Tetrachloroethene	8.22	164	17532	5.296	ug/L	97
48) 2-Hexanone	8.36	43	45841	10.557	ug/L	97
49) Dibromochloromethane	8.48	129	22894	5.225	ug/L	97
50) 1,2-Dibromoethane	8.58	107	22719	5.244	ug/L	100
51) Chlorobenzene	9.12	112	58280	5.445	ug/L	98
52) Ethylbenzene	9.25	91	90707	5.163	ug/L	96
53) m,p-Xylene	9.37	106	33276	4.916	ug/L	98
54) o-xylene	9.78	106	32842	4.936	ug/L	97
55) Styrene	9.79	104	54195	4.807	ug/L	96
56) Isopropylbenzene	10.16	105	86941	5.054	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	35973	5.399	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	29044	5.645	ug/L	99
61) Bromoform	9.96	173	17062	5.247	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	44064	5.485	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	48196	5.783	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	46737	5.694	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	7493	5.460	ug/L	90
67) 1,3,5-Trichlorobenzene	12.89	180	34596	5.510	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	29320	5.280	ug/L	99
69) Naphthalene	13.74	128	91815	5.212	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	31766	5.483	ug/L	95

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

