

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU031983.D
 Acq On : 14 May 2019 10:44
 Operator : JC/SP
 Sample : VSTD01051
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 10:33:18 AM

Quant Time: May 15 01:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 01:44:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1036465	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1070628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	439672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93614	10.77	ug/L	0.00
7) Chloroethane-d5	1.67	69	77558	11.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	173063	10.20	ug/L	0.00
21) 2-Butanone-d5	4.18	46	123009	16.40	ug/L	0.00
24) Chloroform-d	4.64	84	158540	10.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	99688	9.84	ug/L	0.00
32) Benzene-d6	5.34	84	310978	9.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	104781	9.31	ug/L	0.00
41) Toluene-d8	7.56	98	270923	9.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	41948	8.68	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	71164	14.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	148430	9.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	94583	10.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	105778	9.595 ug/L	100
3) Chloromethane	1.32	50	119402	9.061 ug/L	98
5) Vinyl chloride	1.40	62	120202	9.594 ug/L	92
6) Bromomethane	1.61	94	64158	9.672 ug/L	100
8) Chloroethane	1.69	64	72549	10.495 ug/L	99
9) Trichlorofluoromethane	1.88	101	138565	9.736 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	82712	10.107 ug/L	97
12) 1,1-Dichloroethene	2.28	96	81957	10.256 ug/L	95
13) Acetone	2.32	43	156102	18.596 ug/L	98
14) Carbon disulfide	2.47	76	269918	10.229 ug/L	100
15) Methyl Acetate	2.61	43	105714	8.330 ug/L #	100
16) Methylene chloride	2.70	84	103768	10.945 ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	82117	9.830 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	252041	9.558 ug/L	100
19) 1,1-Dichloroethane	3.44	63	169316	9.813 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	90407	10.067 ug/L	98
22) 2-Butanone	4.26	43	153422	16.434 ug/L	97
23) Bromochloromethane	4.55	128	47221	10.771 ug/L	100
25) Chloroform	4.67	83	168522	10.163 ug/L	96
27) 1,2-Dichloroethane	5.40	62	129528	9.661 ug/L	99
29) Cyclohexane	4.99	56	127325	7.834 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	133760	9.250 ug/L	98
31) Carbon tetrachloride	5.13	117	111243	9.037 ug/L	99
33) Benzene	5.38	78	371528	9.650 ug/L	100
34) Trichloroethene	6.18	95	91949	9.858 ug/L	97
35) Methylcyclohexane	6.41	83	125389	8.884 ug/L	94
37) 1,2-Dichloropropane	6.43	63	100605m	9.299 ug/L	
38) Bromodichloromethane	6.75	83	120194	9.179 ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	128295	8.791 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	248524	15.179 ug/L	98

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42) Toluene	7.63	91	367522	9.519	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	113288	8.663	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	92964	10.294	ug/L	94
46) Tetrachloroethene	8.22	164	64318	9.993	ug/L	93
48) 2-Hexanone	8.36	43	208431	15.813	ug/L	94
49) Dibromochloromethane	8.47	129	89242	9.552	ug/L	96
50) 1,2-Dibromoethane	8.58	107	94313	9.836	ug/L	98
51) Chlorobenzene	9.12	112	238895	10.387	ug/L	100
52) Ethylbenzene	9.25	91	382905	9.527	ug/L	99
53) m,p-Xylene	9.37	106	134010	9.389	ug/L	100
54) o-xylene	9.77	106	133570	9.520	ug/L	95
55) Styrene	9.79	104	230078	9.627	ug/L	98
56) Isopropylbenzene	10.16	105	341790	9.333	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	165298	10.251	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	127669	9.802	ug/L	97
61) Bromoform	9.95	173	65403	10.253	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	150572	10.368	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	160806	10.657	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	165797	10.745	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	32103	9.309	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	106599	9.819	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	70065	8.182	ug/L	96
69) Naphthalene	13.74	128	216098	7.371	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	85276	8.756	ug/L	98

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

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