

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU031982.D
 Acq On : 14 May 2019 10:20
 Operator : JC/SP
 Sample : VSTD00550
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 10:33:14 AM

Quant Time: May 15 01:52:01 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	982425	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	999704	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	410531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47328	5.74	ug/L	0.00
7) Chloroethane-d5	1.67	69	37149	5.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	83642	5.20	ug/L	0.00
21) 2-Butanone-d5	4.19	46	55501	7.81	ug/L	0.02
24) Chloroform-d	4.64	84	75570	5.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	49226	5.13	ug/L	0.00
32) Benzene-d6	5.34	84	145374	4.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	49083	4.67	ug/L	0.00
41) Toluene-d8	7.56	98	122231	4.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	19270	4.27	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	27973	6.19	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	70996	4.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	44287	5.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	52049	4.981 ug/L	99
3) Chloromethane	1.32	50	58231	4.662 ug/L	99
5) Vinyl chloride	1.40	62	60484	5.093 ug/L #	81
6) Bromomethane	1.62	94	32294	5.136 ug/L	99
8) Chloroethane	1.69	64	36853	5.625 ug/L	100
9) Trichlorofluoromethane	1.88	101	70090	5.195 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	43363	5.590 ug/L	99
12) 1,1-Dichloroethene	2.28	96	40807	5.388 ug/L	99
13) Acetone	2.32	43	73436	9.229 ug/L	96
14) Carbon disulfide	2.47	76	131694	5.265 ug/L	98
15) Methyl Acetate	2.62	43	53474	4.445 ug/L #	100
16) Methylene chloride	2.70	84	50188	5.585 ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	42250	5.336 ug/L	97
18) Methyl tert-butyl Ether	2.99	73	118661	4.748 ug/L	99
19) 1,1-Dichloroethane	3.44	63	82364	5.036 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	44404	5.216 ug/L	98
22) 2-Butanone	4.27	43	69722	7.879 ug/L	100
23) Bromochloromethane	4.55	128	22436	5.399 ug/L	98
25) Chloroform	4.67	83	82192	5.229 ug/L	97
27) 1,2-Dichloroethane	5.41	62	61990	4.878 ug/L	100
29) Cyclohexane	4.99	56	55979	3.689 ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	64975	4.812 ug/L	98
31) Carbon tetrachloride	5.13	117	53549	4.659 ug/L	98
33) Benzene	5.39	78	175726	4.888 ug/L	100
34) Trichloroethene	6.18	95	44364	5.094 ug/L	98
35) Methylcyclohexane	6.41	83	63189	4.795 ug/L	97
37) 1,2-Dichloropropane	6.43	63	46921	4.645 ug/L	98
38) Bromodichloromethane	6.76	83	58810	4.810 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	58092	4.263 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	108035	7.066 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.63	91	164228	4.555	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	52138	4.270	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	43352	5.141	ug/L	97
46) Tetrachloroethene	8.22	164	31201	5.191	ug/L	97
48) 2-Hexanone	8.36	43	81070	6.587	ug/L #	93
49) Dibromochloromethane	8.47	129	42471	4.868	ug/L	95
50) 1,2-Dibromoethane	8.58	107	46155	5.155	ug/L	96
51) Chlorobenzene	9.12	112	116502	5.425	ug/L	98
52) Ethylbenzene	9.25	91	169508	4.517	ug/L	100
53) m,p-Xylene	9.37	106	59280	4.448	ug/L	94
54) o-xylene	9.78	106	57402	4.381	ug/L	99
55) Styrene	9.79	104	90965	4.076	ug/L	95
56) Isopropylbenzene	10.16	105	146995	4.298	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	76316	5.068	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	61852	5.085	ug/L	100
61) Bromoform	9.96	173	29261	4.913	ug/L	95
62) 1,3-Dichlorobenzene	11.41	146	69037	5.091	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	79508	5.643	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	74618	5.179	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	14111	4.382	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	47243	4.661	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	30573	3.824	ug/L	92
69) Naphthalene	13.75	128	77605m	2.835	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	32513	3.575	ug/L	94

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

