

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032457.D
 Acq On : 05 Jun 2019 13:09
 Operator : JC/SP
 Sample : VSTD00554
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:03:44 AM

Quant Time: Jun 06 02:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 06 02:03:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	216797	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	201009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	6908	4.44	ug/L	0.00
7) Chloroethane-d5	1.65	69	5418	4.29	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.26	63	13316	4.70	ug/L	0.00
21) 2-Butanone-d5	4.19	46	9997	9.24	ug/L	0.02
24) Chloroform-d	4.64	84	12535	4.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	8162	4.95	ug/L	0.00
32) Benzene-d6	5.33	84	25517	4.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	8134	4.96	ug/L	0.00
41) Toluene-d8	7.56	98	24156	4.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	3250	4.27	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	6224	8.70	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.43	84	10946	4.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	9879	4.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9684	5.593	ug/L 99
3) Chloromethane	1.32	50	9232	5.097	ug/L 98
5) Vinyl chloride	1.40	62	9278	5.085	ug/L 98
6) Bromomethane	1.60	94	5566	4.806	ug/L 97
8) Chloroethane	1.67	64	5904	5.351	ug/L 94
9) Trichlorofluoromethane	1.87	101	12897	5.556	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6513	4.783	ug/L 93
12) 1,1-Dichloroethene	2.27	96	6084	4.419	ug/L 91
13) Acetone	2.32	43	12712	12.224	ug/L 97
14) Carbon disulfide	2.46	76	18869	4.549	ug/L 99
15) Methyl Acetate	2.61	43	7661	4.708	ug/L 99
16) Methylene chloride	2.69	84	7189	4.476	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	6792	4.739	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	22648	5.150	ug/L 96
19) 1,1-Dichloroethane	3.43	63	12316	4.716	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	7699m	4.786	ug/L
22) 2-Butanone	4.27	43	12321	9.902	ug/L 86
23) Bromochloromethane	4.54	128	4010	4.720	ug/L 94
25) Chloroform	4.66	83	12841	4.747	ug/L 97
27) 1,2-Dichloroethane	5.40	62	10101	4.972	ug/L 97
29) Cyclohexane	4.99	56	11688	5.560	ug/L 97
30) 1,1,1-Trichloroethane	4.91	97	10882	5.054	ug/L 98
31) Carbon tetrachloride	5.13	117	9818	5.274	ug/L 96
33) Benzene	5.38	78	27749	4.923	ug/L 100
34) Trichloroethene	6.18	95	7688	5.259	ug/L 96
35) Methylcyclohexane	6.41	83	12481	5.560	ug/L 99
37) 1,2-Dichloropropane	6.43	63	7299	4.953	ug/L # 95
38) Bromodichloromethane	6.75	83	8889	4.675	ug/L 98
39) cis-1,3-Dichloropropene	7.27	75	10735	4.868	ug/L 95
40) 4-Methyl-2-pentanone	7.46	43	21520	10.658	ug/L 98

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42) Toluene	7.63	91	30043	4.903	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	9002	4.632	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	6748	4.684	ug/L	96
46) Tetrachloroethene	8.23	164	6351	5.306	ug/L	95
48) 2-Hexanone	8.36	43	17833	10.800	ug/L	95
49) Dibromochloromethane	8.47	129	7292	4.609	ug/L	96
50) 1,2-Dibromoethane	8.58	107	7412	4.837	ug/L	94
51) Chlorobenzene	9.12	112	19377	4.899	ug/L	99
52) Ethylbenzene	9.25	91	33171	5.046	ug/L	98
53) m,p-Xylene	9.37	106	12395	4.930	ug/L	95
54) o-xylene	9.77	106	12508	4.955	ug/L	98
55) Styrene	9.79	104	19976	4.729	ug/L	97
56) Isopropylbenzene	10.16	105	32354	5.013	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	11066	4.451	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	9214	4.694	ug/L	95
61) Bromoform	9.96	173	5462	4.242	ug/L #	93
62) 1,3-Dichlorobenzene	11.41	146	15278	4.927	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	16511	5.219	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	15467	4.782	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	2097	3.890	ug/L	89
67) 1,3,5-Trichlorobenzene	12.89	180	10566	4.573	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	7407	4.052	ug/L #	87
69) Naphthalene	13.75	128	20039m	3.642	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	8261	4.251	ug/L	91

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

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