

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039631.D
 Acq On : 23 Jul 2020 11:12
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Manual Integrations
 APPROVED

MMDadoda
 7/29/2020 7:26:55 PM

Quant Time: Jul 23 12:42:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	161969	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	158530	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71985	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	6160	6.70	ug/L	0.00
7) Chloroethane-d5	1.92	69	6486	8.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	12788	6.43	ug/L	0.00
21) 2-Butanone-d5	4.65	46	12986	13.93	ug/L	0.00
24) Chloroform-d	5.08	84	12740	6.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	9666	7.11	ug/L	0.00
32) Benzene-d6	5.74	84	24546	6.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	8154	6.74	ug/L	0.00
41) Toluene-d8	7.91	98	21987	6.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	3769	6.18	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	7586	11.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	11903	6.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	8575	6.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5749	4.636	ug/L 98
3) Chloromethane	1.53	50	6562	5.414	ug/L 97
5) Vinyl chloride	1.61	62	6430	5.064	ug/L 97
6) Bromomethane	1.87	94	4313	6.060	ug/L 98
8) Chloroethane	1.94	64	4624	5.692	ug/L 99
9) Trichlorofluoromethane	2.15	101	10636	5.773	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5436	5.324	ug/L 99
12) 1,1-Dichloroethene	2.59	96	4968m	4.999	ug/L
13) Acetone	2.65	43	9849	13.585	ug/L 93
14) Carbon disulfide	2.81	76	15839	4.918	ug/L 96
15) Methyl Acetate	2.96	43	7650	5.203	ug/L 93
16) Methylene chloride	3.06	84	6255	5.278	ug/L 89
17) trans-1,2-Dichloroethene	3.37	96	5387	4.893	ug/L 91
18) Methyl tert-butyl Ether	3.38	73	16383	4.594	ug/L 96
19) 1,1-Dichloroethane	3.89	63	10715	5.084	ug/L 97
20) cis-1,2-Dichloroethene	4.69	96	6528	5.321	ug/L 89
22) 2-Butanone	4.73	43	11916	10.774	ug/L # 70
23) Bromochloromethane	5.00	128	3042	4.987	ug/L # 89
25) Chloroform	5.11	83	12128	5.644	ug/L 99
27) 1,2-Dichloroethane	5.81	62	10420	5.901	ug/L 98
29) Cyclohexane	5.40	56	8390	4.677	ug/L # 92
30) 1,1,1-Trichloroethane	5.33	97	10224	5.460	ug/L # 81
31) Carbon tetrachloride	5.54	117	7775	4.979	ug/L 91
33) Benzene	5.79	78	22380	4.822	ug/L 100
34) Trichloroethene	6.55	95	5848	4.897	ug/L 96
35) Methylcyclohexane	6.77	83	8938	4.963	ug/L 99
37) 1,2-Dichloropropane	6.80	63	6610	5.440	ug/L # 94
38) Bromodichloromethane	7.11	83	7980	5.074	ug/L 94
39) cis-1,3-Dichloropropene	7.62	75	8748	4.672	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	20938	10.704	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	24303	4.961	ug/L	95
44) trans-1,3-Dichloropropene	8.22	75	8164	4.526	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	5670	4.852	ug/L	95
46) Tetrachloroethene	8.56	164	4407	5.129	ug/L	87
48) 2-Hexanone	8.69	43	16004	9.889	ug/L	99
49) Dibromochloromethane	8.82	129	6131	5.010	ug/L	97
50) 1,2-Dibromoethane	8.93	107	6181	4.881	ug/L	99
51) Chlorobenzene	9.45	112	15097	4.812	ug/L	95
52) Ethylbenzene	9.57	91	25040	4.629	ug/L	99
53) m,p-Xylene	9.70	106	9358	4.531	ug/L	90
54) o-xylene	10.10	106	8635	4.298	ug/L	99
55) Styrene	10.12	104	14263	4.098	ug/L	96
56) Isopropylbenzene	10.49	105	23398	4.439	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	10365	5.127	ug/L	90
59) 1,2,3-Trichloropropane	10.82	75	8776	5.115	ug/L	100
61) Bromoform	10.29	173	3923	4.879	ug/L #	89
62) 1,3-Dichlorobenzene	11.74	146	11393	5.136	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	11288	5.038	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	11622	5.243	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	2212	4.769	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	7575	4.740	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	5405	3.621	ug/L	96
69) Naphthalene	14.08	128	13896	2.719	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	5977	4.034	ug/L	97

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

