

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
 Data File : VU041656.D
 Acq On : 16 Dec 2020 09:11
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

Quant Time: Dec 17 02:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 02:44:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	252584	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	229742	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	103280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9569	4.66	ug/L	0.00
7) Chloroethane-d5	1.92	69	7737	4.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	16447	4.18	ug/L	0.00
21) 2-Butanone-d5	4.64	46	14117	8.32	ug/L	0.00
24) Chloroform-d	5.08	84	16757	4.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	11020	4.34	ug/L	0.00
32) Benzene-d6	5.74	84	32710	5.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	10226	4.69	ug/L	0.00
41) Toluene-d8	7.90	98	28660	4.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	4954	4.45	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	9213	9.21	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	15364	4.94	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	11028	5.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12004	6.536 ug/L	97
3) Chloromethane	1.53	50	10743	5.105 ug/L	93
5) Vinyl chloride	1.61	62	11777	5.522 ug/L	99
6) Bromomethane	1.86	94	8587	7.015 ug/L	95
8) Chloroethane	1.94	64	7435	5.335 ug/L	95
9) Trichlorofluoromethane	2.15	101	16900	5.601 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	9007	4.818 ug/L	97
12) 1,1-Dichloroethene	2.59	96	8598	4.914 ug/L	97
13) Acetone	2.65	43	11907	6.997 ug/L	96
14) Carbon disulfide	2.81	76	27800	5.001 ug/L	100
15) Methyl Acetate	2.96	43	10842	4.104 ug/L	100
16) Methylene chloride	3.06	84	9847	4.794 ug/L	95
17) trans-1,2-Dichloroethene	3.37	96	8617	4.772 ug/L	98
18) Methyl tert-butyl Ether	3.38	73	26047	4.449 ug/L	97
19) 1,1-Dichloroethane	3.89	63	16176	4.375 ug/L	96
20) cis-1,2-Dichloroethene	4.68	96	9355	4.730 ug/L	95
22) 2-Butanone	4.72	43	15284	7.431 ug/L	98
23) Bromochloromethane	4.99	128	5172	4.950 ug/L	90
25) Chloroform	5.10	83	17350	4.620 ug/L	92
27) 1,2-Dichloroethane	5.81	62	13355	4.229 ug/L #	92
29) Cyclohexane	5.40	56	12290	4.033 ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	15819	5.356 ug/L	98
31) Carbon tetrachloride	5.54	117	13299	5.187 ug/L	99
33) Benzene	5.79	78	38400	5.141 ug/L	100
34) Trichloroethene	6.55	95	9553	4.940 ug/L	94
35) Methylcyclohexane	6.77	83	14369	4.829 ug/L	97
37) 1,2-Dichloropropane	6.80	63	9204	4.439 ug/L #	94
38) Bromodichloromethane	7.11	83	13198	4.985 ug/L #	94
39) cis-1,3-Dichloropropene	7.61	75	14139	4.677 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	25616	7.862 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	37201	4.865	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	13354	4.381	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	9390	5.080	ug/L	97
46) Tetrachloroethene	8.56	164	7452	5.340	ug/L	98
48) 2-Hexanone	8.69	43	20691	7.934	ug/L	95
49) Dibromochloromethane	8.81	129	10110	4.999	ug/L	97
50) 1,2-Dibromoethane	8.93	107	9633	4.884	ug/L	97
51) Chlorobenzene	9.45	112	24805	4.944	ug/L	97
52) Ethylbenzene	9.57	91	38760	4.614	ug/L	99
53) m,p-Xylene	9.69	106	14237	4.615	ug/L	94
54) o-xylene	10.10	106	13732	4.552	ug/L	99
55) Styrene	10.11	104	22256	4.334	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	16122	5.010	ug/L	91
59) Bromoform	10.29	173	7246	5.681	ug/L	97
60) 1,2,3-Trichloropropane	10.82	75	13575	5.603	ug/L	96
61) Isopropylbenzene	10.48	105	35744	5.021	ug/L	99
62) 1,3,5-Trimethylbenzene	11.08	105	27648	4.744	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	26511	4.504	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	17818	5.265	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	18973	5.448	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	19779	5.842	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	4271	6.135	ug/L	95
69) 1,3,5-Trichlorobenzene	13.21	180	13398	5.996	ug/L	93
70) 1,2,4-trichlorobenzene	13.83	180	8385	4.384	ug/L	91
71) Naphthalene	14.07	128	21607	3.624	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	8795	4.668	ug/L	97

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

