

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121620\
 Data File : VU041659.D
 Acq On : 16 Dec 2020 10:20
 Operator : SY/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

Quant Time: Dec 17 02:46:19 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	264529	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	249842	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	136037	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	217028	100.88	ug/L	0.00
7) Chloroethane-d5	1.92	69	181055	109.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	370733	90.02	ug/L	0.00
21) 2-Butanone-d5	4.64	46	327197	184.03	ug/L	0.00
24) Chloroform-d	5.08	84	368627	96.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	243055	91.32	ug/L	0.00
32) Benzene-d6	5.74	84	777729	109.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	225185	94.87	ug/L	0.00
41) Toluene-d8	7.91	98	704382	108.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	122472	101.12	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	274895	252.58	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	356477	105.46	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	294551	111.00	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	224288	116.606	ug/L	100
3) Chloromethane	1.53	50	206637	93.759	ug/L	99
5) Vinyl chloride	1.61	62	231442	103.612	ug/L	99
6) Bromomethane	1.86	94	174894	136.431	ug/L	99
8) Chloroethane	1.94	64	152449	104.454	ug/L	97
9) Trichlorofluoromethane	2.15	101	335330	106.114	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	181287	92.595	ug/L	99
12) 1,1-Dichloroethene	2.59	96	174537	95.247	ug/L	93
13) Acetone	2.65	43	223140	125.210	ug/L	100
14) Carbon disulfide	2.81	76	553440	95.070	ug/L	99
15) Methyl Acetate	2.96	43	222098	80.265	ug/L	100
16) Methylene chloride	3.06	84	199308	92.645	ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	184834	97.746	ug/L	98
18) Methyl tert-butyl Ether	3.38	73	580645	94.701	ug/L	100
19) 1,1-Dichloroethane	3.89	63	332442	85.861	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	203381	98.197	ug/L	97
22) 2-Butanone	4.72	43	345324	160.317	ug/L	100
23) Bromochloromethane	4.99	128	106670	97.490	ug/L	99
25) Chloroform	5.11	83	345313	87.799	ug/L	100
27) 1,2-Dichloroethane	5.81	62	277604	83.933	ug/L	99
29) Cyclohexane	5.40	56	312277	94.239	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	311984	97.128	ug/L	100
31) Carbon tetrachloride	5.54	117	280313	100.529	ug/L	99
33) Benzene	5.79	78	822087	101.208	ug/L	100
34) Trichloroethene	6.55	95	199578	94.910	ug/L	98
35) Methylcyclohexane	6.77	83	329351	101.775	ug/L	98
37) 1,2-Dichloropropane	6.80	63	198420	87.995	ug/L	100
38) Bromodichloromethane	7.11	83	262733	91.259	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	322666	98.141	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	613471	173.132	ug/L	99

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42) Toluene	7.98	91	844820	101.597	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	318800	96.174	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	193726	96.378	ug/L	99
46) Tetrachloroethene	8.56	164	155948	102.760	ug/L	97
48) 2-Hexanone	8.69	43	513767	181.162	ug/L	98
49) Dibromochloromethane	8.82	129	218327	99.268	ug/L	97
50) 1,2-Dibromoethane	8.93	107	210979	98.371	ug/L	99
51) Chlorobenzene	9.45	112	532141	97.524	ug/L	99
52) Ethylbenzene	9.57	91	910872	99.714	ug/L	99
53) m,p-Xylene	9.69	106	352958	105.200	ug/L	98
54) o-xylene	10.10	106	350475	106.827	ug/L	97
55) Styrene	10.11	104	606054	108.529	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	350538	100.158	ug/L	100
59) Bromoform	10.29	173	173731	103.411	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	290424	91.002	ug/L	99
61) Isopropylbenzene	10.48	105	916952	97.794	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	814800	106.153	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	845495	109.045	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	446554	100.184	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	442825	96.533	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	459612	103.072	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	93152	101.590	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	300901	102.237	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	255437	101.398	ug/L	100
71) Naphthalene	14.07	128	949103	120.843	ug/L	100
72) 1,2,3-Trichlorobenzene	14.31	180	261543	105.382	ug/L	100

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

