

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112320\
 Data File : VV019417.D
 Acq On : 23 Nov 2020 12:21
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 2:01:18 PM

Quant Time: Nov 23 14:38:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 23 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366179	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	376890	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192495	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	18761	6.80	ug/L	0.00
7) Chloroethane-d5	1.58	69	15818	7.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	33110	5.83	ug/L	0.00
21) 2-Butanone-d5	3.92	46	17781	12.49	ug/L	0.02
24) Chloroform-d	4.38	84	29935	5.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	19548	5.37	ug/L	0.00
32) Benzene-d6	5.08	84	54111	5.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	18500	6.86	ug/L	0.00
41) Toluene-d8	7.34	98	45168	4.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	7811	4.54	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	8334m	8.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21351	5.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	19075	5.19	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	14539	4.735	ug/L 96
3) Chloromethane	1.25	50	19759	7.202	ug/L 98
5) Vinyl chloride	1.32	62	18873	6.381	ug/L 100
6) Bromomethane	1.53	94	12343	5.837	ug/L 97
8) Chloroethane	1.59	64	12119	6.498	ug/L 94
9) Trichlorofluoromethane	1.76	101	23328	4.397	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12508	5.173	ug/L 96
12) 1,1-Dichloroethene	2.13	96	13366	5.416	ug/L 92
13) Acetone	2.17	43	17974	14.826	ug/L 93
14) Carbon disulfide	2.31	76	37649	5.517	ug/L 99
15) Methyl Acetate	2.45	43	16106	7.869	ug/L 99
16) Methylene chloride	2.52	84	15983	6.449	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	12253	5.161	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	36973	4.847	ug/L 98
19) 1,1-Dichloroethane	3.21	63	26095	6.339	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	13273	5.281	ug/L 91
22) 2-Butanone	4.00	43	17402	12.517	ug/L 79
23) Bromochloromethane	4.28	128	7269	5.015	ug/L 95
25) Chloroform	4.41	83	26425	5.519	ug/L 99
27) 1,2-Dichloroethane	5.16	62	20380	5.025	ug/L 99
29) Cyclohexane	4.70	56	16064	4.931	ug/L 99
30) 1,1,1-Trichloroethane	4.63	97	21915	4.427	ug/L 98
31) Carbon tetrachloride	4.85	117	18630	4.179	ug/L 96
33) Benzene	5.13	78	51813	5.450	ug/L 100
34) Trichloroethene	5.94	95	16264	5.672	ug/L 97
35) Methylcyclohexane	6.15	83	16019	4.520	ug/L 98
37) 1,2-Dichloropropane	6.20	63	14449	6.253	ug/L 99
38) Bromodichloromethane	6.53	83	19784	5.267	ug/L 94
39) cis-1,3-Dichloropropene	7.05	75	18514	4.673	ug/L 98
40) 4-Methyl-2-pentanone	7.25	43	33648	11.541	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	49199	4.600	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	18117	4.293	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	13546	5.404	ug/L	98
46) Tetrachloroethene	7.99	164	10267	4.065	ug/L	97
48) 2-Hexanone	8.16	43	26283	11.502	ug/L	96
49) Dibromochloromethane	8.27	129	14491	4.505	ug/L	98
50) 1,2-Dibromoethane	8.38	107	14246	5.195	ug/L	96
51) Chlorobenzene	8.90	112	36303	4.936	ug/L	98
52) Ethylbenzene	9.04	91	52974	4.429	ug/L	97
53) m,p-Xylene	9.16	106	18553	4.006	ug/L	93
54) o-xylene	9.56	106	17609	3.932	ug/L	97
55) Styrene	9.58	104	29598	3.737	ug/L	98
56) Isopropylbenzene	9.95	105	45986	3.824	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	18023	5.262	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	18518	5.868	ug/L	96
61) Bromoform	9.75	173	10123	4.619	ug/L #	96
62) 1,3-Dichlorobenzene	11.20	146	26100	4.826	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	28615	5.058	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	26962	4.927	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	4131	5.226	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	18477	4.457	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	14482	3.883	ug/L	99
69) Naphthalene	13.53	128	26779	3.040	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	15211	4.053	ug/L	98

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

