

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014760.D
 Acq On : 06 Mar 2020 16:38
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

apatel
 3/9/2020 1:08:54 PM

Quant Time: Mar 06 23:50:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	472167	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	465692	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	238527	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	14944	6.97	ug/L	0.00
7) Chloroethane-d5	1.58	69	12524	7.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	25877	6.74	ug/L	0.00
21) 2-Butanone-d5	3.96	46	18044	9.67	ug/L	0.02
24) Chloroform-d	4.38	84	29236	4.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	19351	4.94	ug/L	0.00
32) Benzene-d6	5.07	84	54736	4.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	18522	5.02	ug/L	0.00
41) Toluene-d8	7.34	98	54684	4.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	8342	4.11	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	14211	9.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	25286	4.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	22230	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24931	6.907 ug/L	98
3) Chloromethane	1.25	50	21720	9.641 ug/L	99
5) Vinyl chloride	1.32	62	19939	9.066 ug/L	94
6) Bromomethane	1.53	94	12230	9.348 ug/L	96
8) Chloroethane	1.60	64	10425	8.616 ug/L	97
9) Trichlorofluoromethane	1.76	101	26918	6.527 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	14126	7.851 ug/L	97
12) 1,1-Dichloroethene	2.13	96	13713	8.188 ug/L	92
13) Acetone	2.23	43	22941	14.165 ug/L	66
14) Carbon disulfide	2.31	76	43713	6.290 ug/L	100
15) Methyl Acetate	2.46	43	18417	6.623 ug/L #	72
16) Methylene chloride	2.52	84	18735	6.032 ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	16834	5.842 ug/L	99
18) Methyl tert-butyl Ether	2.79	73	52941	5.505 ug/L	99
19) 1,1-Dichloroethane	3.21	63	32541	6.136 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	17939	5.417 ug/L	97
22) 2-Butanone	4.04	43	22281m	10.585 ug/L	
23) Bromochloromethane	4.28	128	9289	5.554 ug/L	93
25) Chloroform	4.40	83	32229	5.350 ug/L	98
27) 1,2-Dichloroethane	5.16	62	26222	5.929 ug/L	98
29) Cyclohexane	4.70	56	28561m	6.141 ug/L	
30) 1,1,1-Trichloroethane	4.63	97	28449	5.243 ug/L	98
31) Carbon tetrachloride	4.86	117	23075	4.829 ug/L	97
33) Benzene	5.13	78	69708	5.633 ug/L	100
34) Trichloroethene	5.94	95	18221	5.147 ug/L	96
35) Methylcyclohexane	6.15	83	29639	5.758 ug/L	96
37) 1,2-Dichloropropane	6.20	63	18681	6.049 ug/L	99
38) Bromodichloromethane	6.53	83	23371	5.120 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	27560	5.170 ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	50983	12.843 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014760.D
 Acq On : 06 Mar 2020 16:38
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

apatel
 3/9/2020 1:08:54 PM

Quant Time: Mar 06 23:50:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	74592	5.563	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	25129	5.173	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	16963	5.336	ug/L	95
46) Tetrachloroethene	7.99	164	14742	5.666	ug/L	97
48) 2-Hexanone	8.17	43	39748	12.706	ug/L	98
49) Dibromochloromethane	8.27	129	17743	4.762	ug/L	98
50) 1,2-Dibromoethane	8.37	107	17709	5.042	ug/L #	96
51) Chlorobenzene	8.90	112	48061	5.311	ug/L	95
52) Ethylbenzene	9.03	91	82384	5.369	ug/L	98
53) m,p-Xylene	9.16	106	30894	5.255	ug/L	95
54) o-xylene	9.57	106	30075	5.227	ug/L	95
55) Styrene	9.58	104	49134	5.097	ug/L	100
56) Isopropylbenzene	9.95	105	82393	5.422	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	29218	5.824	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	23552	5.720	ug/L	98
61) Bromoform	9.75	173	12675	4.920	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	39923	5.492	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	39504	5.294	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	40789	5.644	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.45	75	6460	5.270	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	30365	5.631	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	26933	5.336	ug/L	99
69) Naphthalene	13.52	128	37933	2.535	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	26635	5.139	ug/L	98

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

