

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019345.D
 Acq On : 12 Nov 2020 11:22
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:26:55 PM

Quant Time: Nov 12 12:40:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 12:30:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	195851	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	192187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	110542	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7194	4.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	6021	4.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	14707	4.94	ug/L	0.00
21) 2-Butanone-d5	3.94	46	6634m	7.25	ug/L	0.02
24) Chloroform-d	4.38	84	13553	4.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	9532	4.73	ug/L	0.00
32) Benzene-d6	5.08	84	23559	4.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	6409	4.04	ug/L	0.00
41) Toluene-d8	7.34	98	22610	4.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3975	4.29	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	3405	5.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	8327	3.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	10565	4.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8222	4.806 ug/L	97
3) Chloromethane	1.25	50	6809	4.336 ug/L	97
5) Vinyl chloride	1.32	62	7500	4.660 ug/L	100
6) Bromomethane	1.53	94	5518	5.021 ug/L	94
8) Chloroethane	1.60	64	4624	4.584 ug/L	96
9) Trichlorofluoromethane	1.77	101	13560	4.972 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6097	4.690 ug/L	95
12) 1,1-Dichloroethene	2.14	96	6222	4.855 ug/L	95
13) Acetone	2.20	43	6646	7.772 ug/L	68
14) Carbon disulfide	2.31	76	16725	4.214 ug/L	99
15) Methyl Acetate	2.45	43	4474	3.238 ug/L	100
16) Methylene chloride	2.53	84	6194	4.331 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	5520	4.086 ug/L	99
18) Methyl tert-butyl Ether	2.78	73	17333	3.841 ug/L	99
19) 1,1-Dichloroethane	3.21	63	9883	3.980 ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	5772	3.909 ug/L	94
22) 2-Butanone	4.03	43	6445m	6.962 ug/L	
23) Bromochloromethane	4.28	128	3351	4.153 ug/L	96
25) Chloroform	4.41	83	11762	4.310 ug/L	92
27) 1,2-Dichloroethane	5.16	62	9457	4.051 ug/L	99
29) Cyclohexane	4.70	56	7211	3.495 ug/L #	54
30) 1,1,1-Trichloroethane	4.63	97	11862	4.536 ug/L	99
31) Carbon tetrachloride	4.86	117	10320	4.430 ug/L	99
33) Benzene	5.13	78	21644	3.942 ug/L	100
34) Trichloroethene	5.94	95	7307	4.798 ug/L	89
35) Methylcyclohexane	6.15	83	8383	4.180 ug/L	98
37) 1,2-Dichloropropane	6.20	63	5418	4.003 ug/L	99
38) Bromodichloromethane	6.54	83	8610	4.194 ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	8408	3.721 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	12451	6.793 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	23404	3.887	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	8237	3.484	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	5756	4.154	ug/L	94
46) Tetrachloroethene	8.00	164	5982	4.573	ug/L	99
48) 2-Hexanone	8.17	43	9836	6.715	ug/L #	93
49) Dibromochloromethane	8.27	129	6920	4.084	ug/L	100
50) 1,2-Dibromoethane	8.38	107	6116	4.129	ug/L	91
51) Chlorobenzene	8.90	112	16939	4.254	ug/L	96
52) Ethylbenzene	9.04	91	25613	3.842	ug/L	94
53) m,p-Xylene	9.16	106	10044	3.992	ug/L	92
54) o-xylene	9.57	106	9304	3.832	ug/L	99
55) Styrene	9.58	104	15738	3.664	ug/L	96
56) Isopropylbenzene	9.95	105	25763	3.960	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	6977	3.372	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	7380	4.119	ug/L	99
61) Bromoform	9.75	173	5415	3.970	ug/L #	93
62) 1,3-Dichlorobenzene	11.20	146	14165	4.105	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	15528	4.341	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	14480	4.219	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	1813	3.153	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	11191	4.388	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	8970	3.775	ug/L	98
69) Naphthalene	13.53	128	17549	2.728	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	9100	3.888	ug/L	97

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

