

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
 Data File : VV017538.D
 Acq On : 20 Jul 2020 12:10
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 11:03:35 AM

Quant Time: Jul 20 17:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 17:41:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	307411	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	283835	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140261	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16402	10.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	13585	11.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	40204	10.95	ug/L	0.00
21) 2-Butanone-d5	3.92	46	22807m	20.62	ug/L	0.02
24) Chloroform-d	4.38	84	38490	10.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	25438	10.01	ug/L	0.00
32) Benzene-d6	5.08	84	63995	10.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	19334	11.03	ug/L	0.00
41) Toluene-d8	7.34	98	58381	10.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	11026	10.65	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	16111	21.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24589	9.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	24377	10.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	27763	8.604 ug/L	98
3) Chloromethane	1.25	50	23442	10.207 ug/L	97
5) Vinyl chloride	1.32	62	24136	10.167 ug/L	98
6) Bromomethane	1.53	94	15776	12.300 ug/L	100
8) Chloroethane	1.60	64	13640	10.879 ug/L	98
9) Trichlorofluoromethane	1.76	101	42370	9.654 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	22743	10.943 ug/L	97
12) 1,1-Dichloroethene	2.13	96	20181	10.751 ug/L	96
13) Acetone	2.19	43	27827	18.877 ug/L	94
14) Carbon disulfide	2.31	76	52392	9.496 ug/L	99
15) Methyl Acetate	2.45	43	19530	9.943 ug/L	99
16) Methylene chloride	2.52	84	22707	10.637 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	19735	10.028 ug/L	93
18) Methyl tert-butyl Ether	2.78	73	68139	10.102 ug/L	99
19) 1,1-Dichloroethane	3.21	63	37159	10.144 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	21490	10.055 ug/L	94
22) 2-Butanone	4.01	43	26795m	18.841 ug/L	
23) Bromochloromethane	4.28	128	12258	10.267 ug/L	92
25) Chloroform	4.41	83	40646	9.848 ug/L	97
27) 1,2-Dichloroethane	5.16	62	33901	9.393 ug/L	97
29) Cyclohexane	4.70	56	27909	9.627 ug/L #	97
30) 1,1,1-Trichloroethane	4.63	97	39183	10.118 ug/L	95
31) Carbon tetrachloride	4.86	117	36030	10.192 ug/L	98
33) Benzene	5.13	78	79059	10.654 ug/L	100
34) Trichloroethene	5.94	95	21612	9.888 ug/L	97
35) Methylcyclohexane	6.16	83	30527	9.556 ug/L	98
37) 1,2-Dichloropropane	6.20	63	19371	10.642 ug/L	100
38) Bromodichloromethane	6.53	83	30338	10.147 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	31260	9.978 ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	52600	20.724 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	82866	10.008	ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	32791	10.118	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	21155	10.609	ug/L	99
46) Tetrachloroethene	8.00	164	17577	9.475	ug/L	94
48) 2-Hexanone	8.16	43	38938	18.959	ug/L	95
49) Dibromochloromethane	8.27	129	24969	9.975	ug/L	98
50) 1,2-Dibromoethane	8.38	107	21871	9.988	ug/L	97
51) Chlorobenzene	8.90	112	55852	9.869	ug/L	98
52) Ethylbenzene	9.03	91	90062	9.470	ug/L	97
53) m,p-Xylene	9.16	106	32396	9.115	ug/L	99
54) o-xylene	9.57	106	31563	9.173	ug/L	99
55) Styrene	9.58	104	54153	9.050	ug/L	96
56) Isopropylbenzene	9.95	105	86233	9.017	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	28934	9.794	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	25137	9.840	ug/L	95
61) Bromoform	9.75	173	17587	10.330	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	43963	10.107	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	44115	9.944	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	45634	10.468	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	9124	12.592	ug/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	34284	10.347	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	29651	10.163	ug/L	99
69) Naphthalene	13.53	128	79081	9.737	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	29422	9.973	ug/L	97

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

