

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020620\
 Data File : VV014511.D
 Acq On : 06 Feb 2020 10:03
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 1:23:45 PM

Quant Time: Feb 07 01:15:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 01:04:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	417172	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	386554	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	194579	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11262	4.83	ug/L	0.00
7) Chloroethane-d5	1.59	69	8013	4.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17547	4.45	ug/L	0.00
21) 2-Butanone-d5	3.94	46	14815m	8.53	ug/L	0.02
24) Chloroform-d	4.40	84	24191	4.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14953	4.07	ug/L	0.00
32) Benzene-d6	5.10	84	50277	4.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	15183	4.56	ug/L	0.00
41) Toluene-d8	7.36	98	46072	4.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	8043	4.31	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	12096	8.68	ug/L	0.02
56) 1,1,2,2-Tetrachloroethane-	10.25	84	19615	4.23	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	18455	4.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17589	5.784	ug/L 99
3) Chloromethane	1.26	50	18255	7.693	ug/L 100
5) Vinyl chloride	1.33	62	13711	6.370	ug/L 100
6) Bromomethane	1.54	94	6574	5.544	ug/L 89
8) Chloroethane	1.60	64	7008	6.273	ug/L 98
9) Trichlorofluoromethane	1.77	101	17721	5.297	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8778	5.391	ug/L 95
12) 1,1-Dichloroethene	2.14	96	8674	5.608	ug/L 80
13) Acetone	2.19	43	18208	15.275	ug/L 94
14) Carbon disulfide	2.32	76	40066	7.018	ug/L 98
15) Methyl Acetate	2.46	43	13567	6.188	ug/L 100
16) Methylene chloride	2.54	84	16378	6.641	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	14448	6.272	ug/L 95
18) Methyl tert-butyl Ether	2.80	73	45750	5.914	ug/L 99
19) 1,1-Dichloroethane	3.23	63	25902	6.181	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	16503	6.171	ug/L 96
22) 2-Butanone	4.02	43	21468	13.156	ug/L 83
23) Bromochloromethane	4.30	128	7442	5.203	ug/L 96
25) Chloroform	4.42	83	26601	5.744	ug/L 100
27) 1,2-Dichloroethane	5.18	62	19182	5.382	ug/L 98
29) Cyclohexane	4.72	56	24376	6.843	ug/L 97
30) 1,1,1-Trichloroethane	4.66	97	21966	5.218	ug/L 99
31) Carbon tetrachloride	4.87	117	19389	5.019	ug/L 96
33) Benzene	5.15	78	56307	5.928	ug/L 100
34) Trichloroethene	5.96	95	15551	5.992	ug/L 97
35) Methylcyclohexane	6.17	83	26267	6.658	ug/L 98
37) 1,2-Dichloropropane	6.22	63	14804	6.341	ug/L 99
38) Bromodichloromethane	6.55	83	19634	5.544	ug/L 99
39) cis-1,3-Dichloropropene	7.07	75	22516	5.521	ug/L 98
40) 4-Methyl-2-pentanone	7.27	43	35844	11.822	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	62610	6.014	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	21081	5.551	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	14366	5.854	ug/L	95
46) Tetrachloroethene	8.01	164	12020	5.152	ug/L	99
48) 2-Hexanone	8.19	43	26914	11.629	ug/L	98
49) Dibromochloromethane	8.29	129	15448	5.002	ug/L	100
50) 1,2-Dibromoethane	8.39	107	15219	5.622	ug/L	98
51) Chlorobenzene	8.92	112	40895	5.860	ug/L	97
52) Ethylbenzene	9.05	91	69465	5.931	ug/L	97
53) m,p-Xylene	9.18	106	27437	6.099	ug/L	97
54) o-Xylene	9.58	106	26079	5.877	ug/L	97
55) Styrene	9.60	104	43593	5.797	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	21454	5.645	ug/L	98
59) Bromoform	9.77	173	10562	4.631	ug/L	99
60) Isopropylbenzene	9.97	105	67782	6.059	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	17459	6.148	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	56819	5.874	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	56377	5.895	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	32192	5.774	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	33693	5.953	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	31827	5.662	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	4366	4.821	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	22080	5.036	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	19202	4.978	ug/L	97
71) Naphthalene	13.55	128	65598	6.364	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	19102	4.986	ug/L	99

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

