

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
 Data File : VV014451.D
 Acq On : 31 Jan 2020 14:12
 Operator : SY/MD
 Sample : VSTD00565
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:34:08 AM

Quant Time: Feb 01 01:45:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 01 01:38:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	423367	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	398715	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	189506	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11602	4.75	ug/L	0.00
7) Chloroethane-d5	1.59	69	7232	3.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	15756	3.16	ug/L	0.00
21) 2-Butanone-d5	3.95	46	12702m	7.55	ug/L	0.02
24) Chloroform-d	4.40	84	22985	4.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14046	4.37	ug/L	0.00
32) Benzene-d6	5.10	84	49100	4.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	15294	4.85	ug/L	0.00
41) Toluene-d8	7.36	98	45354	4.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	7951	5.15	ug/L	0.00
47) 2-Hexanone-d5	8.16	63	10535	8.88	ug/L	0.03
57) 1,1,2,2-Tetrachloroethane-	10.26	84	20274	4.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	17012	4.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17502	4.659	ug/L 98
3) Chloromethane	1.26	50	18735	5.289	ug/L 96
5) Vinyl chloride	1.33	62	15128	4.316	ug/L 96
6) Bromomethane	1.54	94	4758	2.434	ug/L 95
8) Chloroethane	1.60	64	6819	3.105	ug/L 97
9) Trichlorofluoromethane	1.78	101	16892	3.245	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8085	2.787	ug/L 96
12) 1,1-Dichloroethene	2.15	96	8737	3.109	ug/L 90
13) Acetone	2.19	43	16132	7.045	ug/L 93
14) Carbon disulfide	2.32	76	38692	4.726	ug/L 100
15) Methyl Acetate	2.46	43	11990	3.933	ug/L 99
16) Methylene chloride	2.54	84	16101	5.026	ug/L 96
17) trans-1,2-Dichloroethene	2.80	96	13295	4.429	ug/L 91
18) Methyl tert-butyl Ether	2.80	73	41375	4.729	ug/L 99
19) 1,1-Dichloroethane	3.23	63	24177	4.447	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	14779	4.554	ug/L 96
22) 2-Butanone	4.03	43	17213m	7.329	ug/L
23) Bromochloromethane	4.30	128	6716	3.827	ug/L 89
25) Chloroform	4.42	83	25216	4.393	ug/L 95
27) 1,2-Dichloroethane	5.18	62	16400	3.982	ug/L 96
29) Cyclohexane	4.73	56	23137	4.911	ug/L 99
30) 1,1,1-Trichloroethane	4.66	97	19541	4.115	ug/L 96
31) Carbon tetrachloride	4.88	117	17602	4.180	ug/L 99
33) Benzene	5.15	78	55965	4.707	ug/L 100
34) Trichloroethene	5.96	95	14520	4.598	ug/L 97
35) Methylcyclohexane	6.18	83	23160	4.803	ug/L 94
37) 1,2-Dichloropropane	6.22	63	13746	4.744	ug/L 99
38) Bromodichloromethane	6.55	83	18645	4.563	ug/L 99
39) cis-1,3-Dichloropropene	7.07	75	20832	4.490	ug/L 95
40) 4-Methyl-2-pentanone	7.30	43	30477	8.152	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	58749	4.775	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	19957	4.794	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	12942	4.532	ug/L	96
46) Tetrachloroethene	8.02	164	10547	3.842	ug/L	97
48) 2-Hexanone	8.20	43	22721	7.531	ug/L #	94
49) Dibromochloromethane	8.29	129	13865	4.036	ug/L	96
50) 1,2-Dibromoethane	8.40	107	14028	4.491	ug/L #	95
51) Chlorobenzene	8.92	112	38833	4.619	ug/L	99
52) Ethylbenzene	9.05	91	67494	4.960	ug/L	99
53) m,p-Xylene	9.18	106	24047	4.607	ug/L	94
54) o-xylene	9.59	106	25539	5.054	ug/L	95
55) Styrene	9.60	104	40044	4.629	ug/L	98
56) Isopropylbenzene	9.97	105	63434	4.763	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	20992	4.583	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	16734	4.410	ug/L	100
61) Bromoform	9.77	173	9077	3.972	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	28955	4.659	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	29799	4.641	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	29363	4.727	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	4575	5.159	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	18808	3.823	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	16373	3.654	ug/L	96
69) Naphthalene	13.55	128	46454	3.837	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	15846	3.454	ug/L	96

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

