

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\
 Data File : VV014646.D
 Acq On : 21 Feb 2020 11:43
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 4:13:57 PM

Quant Time: Feb 21 22:52:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 21 22:29:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	241223	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	226206	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111258	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4612	4.98	ug/L	0.00
7) Chloroethane-d5	1.59	69	3434	5.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	8619	5.40	ug/L	0.00
21) 2-Butanone-d5	3.98	46	8028m	10.11	ug/L	0.03
24) Chloroform-d	4.40	84	14532	5.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9410	5.39	ug/L	0.00
32) Benzene-d6	5.10	84	28225	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	8355	5.02	ug/L	0.00
41) Toluene-d8	7.36	98	27800	5.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	4613	5.03	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	6071	9.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	11221	4.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	11151	5.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8941	5.195	ug/L 98
3) Chloromethane	1.25	50	4855	3.445	ug/L 99
5) Vinyl chloride	1.33	62	4627	4.429	ug/L 99
6) Bromomethane	1.54	94	2969	5.580	ug/L 96
8) Chloroethane	1.60	64	2905	5.516	ug/L 97
9) Trichlorofluoromethane	1.77	101	10547	5.596	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4214	5.249	ug/L 98
12) 1,1-Dichloroethene	2.14	96	3883	5.240	ug/L 93
13) Acetone	2.21	43	9295	13.343	ug/L 81
14) Carbon disulfide	2.32	76	17816	4.988	ug/L 99
15) Methyl Acetate	2.47	43	6753	5.381	ug/L 89
16) Methylene chloride	2.54	84	8228	5.298	ug/L 94
17) trans-1,2-Dichloroethene	2.79	96	7682	5.261	ug/L 92
18) Methyl tert-butyl Ether	2.80	73	23926	5.061	ug/L 98
19) 1,1-Dichloroethane	3.23	63	13451	5.242	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	8324	4.921	ug/L 99
22) 2-Butanone	4.05	43	10044m	10.072	ug/L
23) Bromochloromethane	4.30	128	4296	5.174	ug/L 96
25) Chloroform	4.42	83	15240	5.312	ug/L 99
27) 1,2-Dichloroethane	5.18	62	10537	4.971	ug/L 97
29) Cyclohexane	4.72	56	10916	4.859	ug/L # 91
30) 1,1,1-Trichloroethane	4.65	97	13512	5.416	ug/L 98
31) Carbon tetrachloride	4.87	117	11662	5.182	ug/L 99
33) Benzene	5.14	78	30020	5.063	ug/L 100
34) Trichloroethene	5.96	95	9856	6.108	ug/L 97
35) Methylcyclohexane	6.17	83	12295	4.882	ug/L 93
37) 1,2-Dichloropropane	6.22	63	7466	5.095	ug/L # 96
38) Bromodichloromethane	6.55	83	10981	5.045	ug/L 99
39) cis-1,3-Dichloropropene	7.07	75	12223	4.714	ug/L 95
40) 4-Methyl-2-pentanone	7.27	43	18190	10.004	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	31707	4.902	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	10901	4.635	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	8006	5.240	ug/L	98
46) Tetrachloroethene	8.02	164	6464	5.133	ug/L	98
48) 2-Hexanone	8.19	43	13578	9.474	ug/L	93
49) Dibromochloromethane	8.29	129	8483	4.660	ug/L	91
50) 1,2-Dibromoethane	8.40	107	8680	5.248	ug/L	95
51) Chlorobenzene	8.92	112	23010	5.315	ug/L	99
52) Ethylbenzene	9.05	91	36956	5.028	ug/L	99
53) m,p-Xylene	9.18	106	14278	4.963	ug/L	95
54) o-xylene	9.58	106	14195	5.164	ug/L	96
55) Styrene	9.60	104	22361	4.751	ug/L	98
56) Isopropylbenzene	9.97	105	36301	4.958	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	11687	4.861	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10140	5.314	ug/L	93
61) Bromoform	9.77	173	5687	4.675	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	18023	5.332	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	18567	5.419	ug/L	96
65) 1,2-Dichlorobenzene	11.68	146	17477	5.247	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	2629	4.780	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	12912	5.277	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	11892	5.257	ug/L	96
69) Naphthalene	13.55	128	42141	5.817	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	12736	5.785	ug/L	98

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

