

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019064.D
 Acq On : 22 Oct 2020 11:57
 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
 10/26/2020 1:36:27 PM

Quant Time: Oct 22 13:21:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:09:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287526	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	284396	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	142108	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	13745	5.63	ug/L	0.00
7) Chloroethane-d5	1.58	69	10971	5.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	25064	5.45	ug/L	0.00
21) 2-Butanone-d5	3.94	46	16180m	9.65	ug/L	0.03
24) Chloroform-d	4.38	84	23355	5.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	15546	5.37	ug/L	0.00
32) Benzene-d6	5.08	84	42766	5.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	13822	5.11	ug/L	0.00
41) Toluene-d8	7.34	98	36263	4.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	6495	4.88	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	9917	9.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	18653	5.77	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	15371	5.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11967	4.807	ug/L 98
3) Chloromethane	1.25	50	14681	5.183	ug/L 100
5) Vinyl chloride	1.32	62	14482	5.270	ug/L 99
6) Bromomethane	1.53	94	8180	4.940	ug/L 99
8) Chloroethane	1.60	64	9062	5.456	ug/L 98
9) Trichlorofluoromethane	1.76	101	18838	5.163	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10315	5.424	ug/L 98
12) 1,1-Dichloroethene	2.13	96	10111	5.277	ug/L 91
13) Acetone	2.20	43	13585	11.215	ug/L 99
14) Carbon disulfide	2.31	76	33294	5.130	ug/L 98
15) Methyl Acetate	2.45	43	12249	4.897	ug/L 97
16) Methylene chloride	2.52	84	11919	5.217	ug/L 95
17) trans-1,2-Dichloroethene	2.78	96	10222	4.868	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	31209	4.677	ug/L 98
19) 1,1-Dichloroethane	3.21	63	21341	5.184	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	10968	4.934	ug/L 88
22) 2-Butanone	4.03	43	16252m	9.911	ug/L
23) Bromochloromethane	4.29	128	5364m	4.661	ug/L
25) Chloroform	4.41	83	21113	5.130	ug/L 98
27) 1,2-Dichloroethane	5.16	62	16564	4.899	ug/L 99
29) Cyclohexane	4.70	56	15497	4.493	ug/L 96
30) 1,1,1-Trichloroethane	4.63	97	17917	5.020	ug/L 98
31) Carbon tetrachloride	4.86	117	15969	5.242	ug/L 95
33) Benzene	5.13	78	43275	4.925	ug/L 100
34) Trichloroethene	5.94	95	11257	4.536	ug/L 90
35) Methylcyclohexane	6.15	83	14153	4.551	ug/L 96
37) 1,2-Dichloropropane	6.20	63	12455	5.305	ug/L # 93
38) Bromodichloromethane	6.53	83	15529	5.149	ug/L 94
39) cis-1,3-Dichloropropene	7.05	75	15801	4.453	ug/L 92
40) 4-Methyl-2-pentanone	7.25	43	27532	8.498	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	42742	4.733	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	15542	4.530	ug/L	93
45) 1,1,2-Trichloroethane	7.86	97	10945	5.036	ug/L	91
46) Tetrachloroethene	8.00	164	8811	4.952	ug/L	91
48) 2-Hexanone	8.16	43	20187	7.886	ug/L #	96
49) Dibromochloromethane	8.27	129	11005	4.750	ug/L	99
50) 1,2-Dibromoethane	8.38	107	10774	4.762	ug/L	100
51) Chlorobenzene	8.90	112	28959	4.920	ug/L	98
52) Ethylbenzene	9.03	91	44507	4.550	ug/L	98
53) m,p-Xylene	9.16	106	15736	4.313	ug/L	100
54) o-xylene	9.56	106	14611	4.192	ug/L	99
55) Styrene	9.59	104	24994	4.070	ug/L	95
56) Isopropylbenzene	9.95	105	39835	4.348	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	17645	5.771	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	13867	4.887	ug/L	100
61) Bromoform	9.75	173	7820	4.980	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	21109	4.770	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	22661	4.883	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	22010	4.948	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	3623	5.272	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	14665	4.946	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	12861	4.691	ug/L	98
69) Naphthalene	13.52	128	33690	4.245	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	13371	4.879	ug/L	97

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

