

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021720\
 Data File : VV014587.D
 Acq On : 17 Feb 2020 11:13
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 12:32:40 PM

Quant Time: Feb 18 05:55:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 18 05:45:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	317766	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	301847	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	153811	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5555	3.53	ug/L	0.00
7) Chloroethane-d5	1.59	69	4086	3.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	10177	4.13	ug/L	0.00
21) 2-Butanone-d5	3.94	46	8883m	7.08	ug/L	0.02
24) Chloroform-d	4.40	84	16562	4.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	10931	4.67	ug/L	0.00
32) Benzene-d6	5.09	84	34626	4.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	10710	4.39	ug/L	0.00
41) Toluene-d8	7.35	98	32428	4.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	5223	3.96	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	6746	6.56	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	13944	4.34	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	13196	4.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12059	4.907	ug/L 99
3) Chloromethane	1.26	50	10679	4.461	ug/L 99
5) Vinyl chloride	1.33	62	7999	4.340	ug/L 98
6) Bromomethane	1.54	94	4249	4.873	ug/L 99
8) Chloroethane	1.60	64	3955	4.306	ug/L 89
9) Trichlorofluoromethane	1.77	101	13804	5.277	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5811	4.744	ug/L 97
12) 1,1-Dichloroethene	2.14	96	5665	4.837	ug/L 99
13) Acetone	2.19	43	9672	9.008	ug/L 91
14) Carbon disulfide	2.32	76	25342	4.505	ug/L 99
15) Methyl Acetate	2.46	43	8610	4.251	ug/L 96
16) Methylene chloride	2.54	84	11523	5.104	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	9825	4.705	ug/L 91
18) Methyl tert-butyl Ether	2.80	73	32457	4.871	ug/L 96
19) 1,1-Dichloroethane	3.23	63	17784	4.763	ug/L 97
20) cis-1,2-Dichloroethene	3.96	96	11947	5.065	ug/L 99
22) 2-Butanone	4.02	43	13176m	8.375	ug/L
23) Bromochloromethane	4.30	128	5751	5.096	ug/L 91
25) Chloroform	4.42	83	20621	5.347	ug/L 99
27) 1,2-Dichloroethane	5.18	62	14707	5.124	ug/L 97
29) Cyclohexane	4.72	56	15568	4.425	ug/L 95
30) 1,1,1-Trichloroethane	4.65	97	17899	5.258	ug/L 98
31) Carbon tetrachloride	4.87	117	15422	5.109	ug/L 99
33) Benzene	5.14	78	42241	4.918	ug/L 100
34) Trichloroethene	5.96	95	11737	5.116	ug/L 98
35) Methylcyclohexane	6.17	83	17803	4.797	ug/L 99
37) 1,2-Dichloropropane	6.22	63	9598	4.411	ug/L 98
38) Bromodichloromethane	6.55	83	15636	5.240	ug/L 97
39) cis-1,3-Dichloropropene	7.07	75	15942	4.329	ug/L 96
40) 4-Methyl-2-pentanone	7.27	43	23433	8.405	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	45877	4.945	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	15779	4.777	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	10658	5.005	ug/L	96
46) Tetrachloroethene	8.01	164	9352	5.336	ug/L	93
48) 2-Hexanone	8.19	43	17861	8.367	ug/L	94
49) Dibromochloromethane	8.29	129	12889	5.294	ug/L	99
50) 1,2-Dibromoethane	8.39	107	11759	5.106	ug/L #	99
51) Chlorobenzene	8.92	112	31572	5.182	ug/L	98
52) Ethylbenzene	9.05	91	52628	5.050	ug/L	98
53) m,p-Xylene	9.18	106	20596	5.125	ug/L	97
54) o-Xylene	9.58	106	19827	5.148	ug/L	96
55) Styrene	9.60	104	33139	5.043	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	16987	5.101	ug/L	99
59) Bromoform	9.77	173	8852	5.184	ug/L	97
60) Isopropylbenzene	9.97	105	51611	5.041	ug/L	96
61) 1,2,3-Trichloropropane	10.31	75	13508	5.040	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	43322	4.952	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	41076	4.769	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	25473	5.268	ug/L	96
65) 1,4-Dichlorobenzene	11.31	146	26226	5.278	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	24975	5.304	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	4033	5.331	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	17708	5.179	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	14853	4.746	ug/L	98
71) Naphthalene	13.55	128	40230	3.925	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	14624	4.795	ug/L	99

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

