

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015268.D
 Acq On : 30 Mar 2020 12:15
 Operator : SY/MD
 Sample : VSTD01004
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01004

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 12:58:28 PM

Quant Time: Mar 30 13:48:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 13:18:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	606666	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	583094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	261799	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47209	10.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	43558	10.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	99136	10.39	ug/L	0.00
21) 2-Butanone-d5	3.96	46	60503m	20.90	ug/L	0.02
24) Chloroform-d	4.38	84	80624	10.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	52200	10.04	ug/L	0.00
32) Benzene-d6	5.08	84	157125	10.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	49064	10.31	ug/L	0.00
41) Toluene-d8	7.34	98	148926	10.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	26075	10.06	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	44900	20.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	72976	10.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	52755	10.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	47284	11.079 ug/L	97
3) Chloromethane	1.25	50	53358	11.009 ug/L	100
5) Vinyl chloride	1.32	62	57522	11.249 ug/L	96
6) Bromomethane	1.53	94	37356	10.921 ug/L	93
8) Chloroethane	1.60	64	38836	11.014 ug/L	98
9) Trichlorofluoromethane	1.77	101	90269	10.444 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52738	11.379 ug/L	98
12) 1,1-Dichloroethene	2.13	96	48409	10.789 ug/L	97
13) Acetone	2.23	43	37545	19.243 ug/L	60
14) Carbon disulfide	2.31	76	117939	10.802 ug/L	98
15) Methyl Acetate	2.47	43	44914	11.331 ug/L	98
16) Methylene chloride	2.52	84	46917	11.177 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	40424	10.751 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	141374	11.043 ug/L	99
19) 1,1-Dichloroethane	3.21	63	76872	10.966 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	45724	10.818 ug/L #	97
22) 2-Butanone	4.04	43	64074m	21.585 ug/L	
23) Bromochloromethane	4.28	128	21968	10.550 ug/L	93
25) Chloroform	4.41	83	82555	11.030 ug/L	98
27) 1,2-Dichloroethane	5.16	62	65766	11.048 ug/L	97
29) Cyclohexane	4.70	56	69403	11.230 ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	72195	10.920 ug/L	97
31) Carbon tetrachloride	4.85	117	61124	10.913 ug/L	99
33) Benzene	5.13	78	167732	10.866 ug/L	100
34) Trichloroethene	5.94	95	44753	10.807 ug/L	98
35) Methylcyclohexane	6.15	83	72450	11.155 ug/L	99
37) 1,2-Dichloropropane	6.20	63	41870	10.664 ug/L	99
38) Bromodichloromethane	6.53	83	61330	10.862 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	67104	10.120 ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	133418	22.854 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	185352	10.696	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	70029	10.748	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	43162	10.912	ug/L	96
46) Tetrachloroethene	8.00	164	29494	10.764	ug/L	91
48) 2-Hexanone	8.17	43	97772	21.831	ug/L	96
49) Dibromochloromethane	8.27	129	44501	10.294	ug/L	98
50) 1,2-Dibromoethane	8.38	107	45926	10.686	ug/L	98
51) Chlorobenzene	8.90	112	118848	10.538	ug/L	99
52) Ethylbenzene	9.04	91	206351	10.560	ug/L	99
53) m,p-Xylene	9.16	106	80323	10.777	ug/L	100
54) o-xylene	9.57	106	79429	10.712	ug/L	100
55) Styrene	9.59	104	133159	10.524	ug/L	100
56) Isopropylbenzene	9.95	105	210326	10.776	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	72155	10.992	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	59104	10.880	ug/L	94
61) Bromoform	9.76	173	26394	10.109	ug/L #	96
62) 1,3-Dichlorobenzene	11.21	146	84985	10.644	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	89639	10.999	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	86595	10.748	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	20273	11.436	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	52365	10.276	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	47946	9.902	ug/L	97
69) Naphthalene	13.53	128	201258	10.427	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	49332	10.152	ug/L	99

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

