

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090418\
 Data File : VV007341.D
 Acq On : 04 Sep 2018 20:48
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 3:05:03 PM

Quant Time: Sep 05 01:18:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 00:58:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	614531	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	595365	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	314684	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	814731	182.83	ug/L	0.00
7) Chloroethane-d5	1.57	69	460861	166.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1438449	185.00	ug/L	0.00
21) 2-Butanone-d5	3.96	46	1442490	410.59	ug/L	0.00
24) Chloroform-d	4.41	84	1690815	189.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	1017087	186.70	ug/L	0.00
32) Benzene-d6	5.11	84	3505954	188.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	1141333	185.96	ug/L	0.00
41) Toluene-d8	7.37	98	3212028	197.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	544152	200.10	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	1106216	461.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1563328	190.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	1292438	181.94	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	869797m	209.54	ug/L	
3) Chloromethane	1.26	50	926720	185.91	ug/L	100
5) Vinyl chloride	1.32	62	956687	197.04	ug/L	100
6) Bromomethane	1.53	94	466677	190.63	ug/L	99
8) Chloroethane	1.59	64	380879	161.18	ug/L	99
9) Trichlorofluoromethane	1.76	101	1191203	189.28	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	744461	190.23	ug/L	100
12) 1,1-Dichloroethene	2.14	96	713284	194.62	ug/L	97
13) Acetone	2.21	43	726626	308.27	ug/L	99
14) Carbon disulfide	2.32	76	2049889	189.41	ug/L	99
15) Methyl Acetate	2.47	43	835951	196.89	ug/L	99
16) Methylene chloride	2.54	84	817875	185.34	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	769572	192.14	ug/L	99
18) Methyl tert-butyl Ether	2.82	73	2493786	199.22	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1590677	194.69	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	970120	207.56	ug/L	99
22) 2-Butanone	4.05	43	1429191	400.08	ug/L	100
23) Bromochloromethane	4.30	128	472928	196.05	ug/L	99
25) Chloroform	4.43	83	1588038	194.40	ug/L	99
27) 1,2-Dichloroethane	5.19	62	1192892	199.18	ug/L	98
29) Cyclohexane	4.73	56	1440242	216.82	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	1341812	191.08	ug/L	99
31) Carbon tetrachloride	4.88	117	1164199	192.96	ug/L	100
33) Benzene	5.15	78	3676123	196.96	ug/L	100
34) Trichloroethene	5.96	95	887897	194.81	ug/L	98
35) Methylcyclohexane	6.18	83	1538897	218.66	ug/L	97
37) 1,2-Dichloropropane	6.23	63	977329	197.60	ug/L	99
38) Bromodichloromethane	6.56	83	1204750	196.59	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	1544275	217.52	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	2554072	430.27	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	3790879	207.23	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	1407922	215.68	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	911095	193.42	ug/L	100
46) Tetrachloroethene	8.02	164	728219	198.27	ug/L	98
48) 2-Hexanone	8.20	43	2017226	429.00	ug/L	99
49) Dibromochloromethane	8.30	129	993074	202.41	ug/L	100
50) 1,2-Dibromoethane	8.40	107	930803	200.19	ug/L	98
51) Chlorobenzene	8.93	112	2459854	202.37	ug/L	99
52) Ethylbenzene	9.06	91	4168339	221.64	ug/L	99
53) m,p-Xylene	9.19	106	1617125	228.27	ug/L	99
54) o-xylene	9.59	106	1594565	231.18	ug/L	97
55) Styrene	9.61	104	2797897	233.23	ug/L	99
56) Isopropylbenzene	9.98	105	4093593	232.07	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	1478165	196.50	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	1186532	196.37	ug/L	100
61) Bromoform	9.78	173	753440	184.08	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	1891260	197.34	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	1988409	193.46	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	2001930	191.51	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	325139	187.60	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	1505134	205.62	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1343874	232.21	ug/L	100
69) Naphthalene	13.56	128	4311690	262.52	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	1413240	224.60	ug/L	99

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

