

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012764.D
 Acq On : 14 Sep 2019 14:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Sep 16 04:55:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 16 04:18:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	813772	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	765372	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	367759	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	181046	39.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.52%
7) Chloroethane-d5	1.57	69	174833	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.72%
11) 1,1-Dichloroethene-d2	2.13	63	391457	43.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.28%
21) 2-Butanone-d5	3.92	46	478765	100.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.10%
24) Chloroform-d	4.40	84	531657	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
26) 1,2-Dichloroethane-d4	5.08	65	328105	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
32) Benzene-d6	5.10	84	964749	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
36) 1,2-Dichloropropane-d6	6.11	67	342973	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.18%
41) Toluene-d8	7.36	98	891132	47.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.38%
43) trans-1,3-Dichloropropene-	7.66	79	145304	48.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.78%
47) 2-Hexanone-d5	8.13	63	300735	108.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	461254	50.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.06%
64) 1,2-Dichlorobenzene-d4	11.67	152	400122	47.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	247042	45.344	ug/L 99
3) Chloromethane	1.25	50	258072	45.396	ug/L 99
5) Vinyl chloride	1.32	62	263972	46.440	ug/L 100
6) Bromomethane	1.52	94	157225	49.178	ug/L 99
8) Chloroethane	1.59	64	170926	48.138	ug/L 99
9) Trichlorofluoromethane	1.77	101	377161	47.286	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	227741	46.252	ug/L 99
12) 1,1-Dichloroethene	2.14	96	203602	47.464	ug/L 93
13) Acetone	2.18	43	285324	72.272	ug/L 99
14) Carbon disulfide	2.32	76	429396	45.871	ug/L 99
15) Methyl Acetate	2.45	43	313037	49.952	ug/L 100
16) Methylene chloride	2.53	84	267522	47.531	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	224584	47.898	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	812050	50.209	ug/L 100
19) 1,1-Dichloroethane	3.23	63	492035	48.547	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	285479	49.208	ug/L 98
22) 2-Butanone	4.01	43	458758	93.527	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	140678	47.729	ug/L	96
25) Chloroform	4.42	83	513022	48.182	ug/L	99
27) 1,2-Dichloroethane	5.18	62	385674	48.396	ug/L	98
29) Cyclohexane	4.72	56	368993	50.784	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	395935	49.473	ug/L	99
31) Carbon tetrachloride	4.87	117	340337	49.389	ug/L	100
33) Benzene	5.14	78	1060859	50.957	ug/L	100
34) Trichloroethene	5.96	95	294154	48.606	ug/L	99
35) Methylcyclohexane	6.18	83	374199	49.016	ug/L	100
37) 1,2-Dichloropropane	6.22	63	300270	50.154	ug/L	99
38) Bromodichloromethane	6.55	83	385454	50.016	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	437925	52.245	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	874787	105.577	ug/L	99
42) Toluene	7.43	91	1110489	51.365	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	375952	50.872	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	294404	50.400	ug/L	98
46) Tetrachloroethene	8.02	164	205010	48.838	ug/L	99
48) 2-Hexanone	8.18	43	678875	100.983	ug/L	98
49) Dibromochloromethane	8.29	129	308966	50.481	ug/L	99
50) 1,2-Dibromoethane	8.39	107	282579	50.215	ug/L	100
51) Chlorobenzene	8.92	112	737783	49.808	ug/L	100
52) Ethylbenzene	9.05	91	1222873	51.451	ug/L	99
53) m,p-Xylene	9.18	106	457718	52.292	ug/L	98
54) o-xylene	9.59	106	468213	52.692	ug/L	98
55) Styrene	9.60	104	806152	53.488	ug/L	99
56) Isopropylbenzene	9.97	105	1241421	53.172	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	416803	52.256	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	381932	50.120	ug/L	99
61) Bromoform	9.77	173	222312	50.061	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	576873	50.785	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	573778	49.243	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	604058	50.576	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	79238	49.696	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	419550	49.995	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	368057	51.909	ug/L	98
69) Naphthalene	13.55	128	1125601	54.914	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	402923	52.349	ug/L	99

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

