

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121219\
 Data File : VV014026.D
 Acq On : 12 Dec 2019 09:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Dec 13 06:12:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 12 13:17:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	713440	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	697907	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	370209	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	226556	54.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.82%
7) Chloroethane-d5	1.57	69	213553	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.16%
11) 1,1-Dichloroethene-d2	2.13	63	442096	48.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.90%
21) 2-Butanone-d5	3.92	46	297940	102.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.59%
24) Chloroform-d	4.39	84	463231	53.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.92%
26) 1,2-Dichloroethane-d4	5.07	65	281551	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
32) Benzene-d6	5.09	84	919573	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.11	67	286972	52.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.72%
41) Toluene-d8	7.35	98	865310	52.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.98%
43) trans-1,3-Dichloropropene-	7.66	79	128091	48.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.98%
47) 2-Hexanone-d5	8.13	63	185787	91.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.66%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	359885	45.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.56%
64) 1,2-Dichlorobenzene-d4	11.67	152	347145	47.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	343416	54.060	ug/L 97
3) Chloromethane	1.25	50	357075	61.483	ug/L 99
5) Vinyl chloride	1.32	62	338809	55.935	ug/L 99
6) Bromomethane	1.51	94	147454	40.264	ug/L 98
8) Chloroethane	1.59	64	200259	49.688	ug/L 100
9) Trichlorofluoromethane	1.76	101	459683	48.794	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	271944	50.682	ug/L 97
12) 1,1-Dichloroethene	2.14	96	249177	48.076	ug/L 98
13) Acetone	2.18	43	477964	112.303	ug/L 97
14) Carbon disulfide	2.31	76	669042	48.949	ug/L 100
15) Methyl Acetate	2.45	43	290996	55.478	ug/L 99
16) Methylene chloride	2.53	84	297705	55.158	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	261891	51.659	ug/L 96
18) Methyl tert-butyl Ether	2.80	73	800343	54.400	ug/L 99
19) 1,1-Dichloroethane	3.22	63	508987	55.726	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	289823	52.791	ug/L 98
22) 2-Butanone	4.00	43	502295	122.958	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	159640	52.631	ug/L	97
25) Chloroform	4.42	83	520248	53.280	ug/L	99
27) 1,2-Dichloroethane	5.17	62	385409	54.777	ug/L	99
29) Cyclohexane	4.72	56	423206	51.902	ug/L	97
30) 1,1,1-Trichloroethane	4.65	97	438727	52.073	ug/L	99
31) Carbon tetrachloride	4.87	117	393612	52.299	ug/L	99
33) Benzene	5.14	78	1115546	53.674	ug/L	100
34) Trichloroethene	5.95	95	299505	53.729	ug/L	99
35) Methylcyclohexane	6.17	83	447477	53.502	ug/L	98
37) 1,2-Dichloropropane	6.21	63	288722	57.397	ug/L	99
38) Bromodichloromethane	6.55	83	387909	54.377	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	433714	54.769	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	750011	114.662	ug/L	99
42) Toluene	7.42	91	1204247	56.157	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	383971	53.546	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	281157	56.310	ug/L	96
46) Tetrachloroethene	8.01	164	267961	53.271	ug/L	97
48) 2-Hexanone	8.17	43	636724	121.686	ug/L	93
49) Dibromochloromethane	8.28	129	326122	53.432	ug/L	99
50) 1,2-Dibromoethane	8.39	107	297087	54.012	ug/L	99
51) Chlorobenzene	8.92	112	792285	53.553	ug/L	99
52) Ethylbenzene	9.05	91	1304325	55.174	ug/L	100
53) m,p-Xylene	9.18	106	513603	56.182	ug/L	97
54) o-xylene	9.58	106	489496	54.764	ug/L	100
55) Styrene	9.60	104	856409	55.534	ug/L	98
56) Isopropylbenzene	9.97	105	1298233	54.035	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	406531	50.013	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	354150	52.026	ug/L	99
61) Bromoform	9.77	173	254731	56.248	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	650336	53.537	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	642134	51.133	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	645161	53.095	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	80459	47.646	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	499063	50.591	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	379005	42.580	ug/L	99
69) Naphthalene	13.55	128	723157	30.942	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	414364	44.515	ug/L	99

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

