

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
 Data File : VV013880.D
 Acq On : 02 Dec 2019 18:50
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Quant Time: Dec 03 03:06:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 02:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	687543	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	635144	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	341151	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	189002	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.06%
7) Chloroethane-d5	1.57	69	198473	47.82	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.64%
11) 1,1-Dichloroethene-d2	2.13	63	430641	48.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.94%
21) 2-Butanone-d5	3.92	46	295169	105.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.46%
24) Chloroform-d	4.39	84	425271	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.86%
26) 1,2-Dichloroethane-d4	5.07	65	261233	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
32) Benzene-d6	5.09	84	847396	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.98%
36) 1,2-Dichloropropane-d6	6.11	67	248559	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.62%
41) Toluene-d8	7.35	98	768702	51.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.46%
43) trans-1,3-Dichloropropene-	7.66	79	116878	48.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.24%
47) 2-Hexanone-d5	8.13	63	178466	96.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.75%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	339260	47.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.86%
64) 1,2-Dichlorobenzene-d4	11.67	152	330824	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	289820	47.342	ug/L	99
3) Chloromethane	1.25	50	286653	51.217	ug/L	99
5) Vinyl chloride	1.32	62	280299	48.019	ug/L	100
6) Bromomethane	1.51	94	152094	43.095	ug/L	97
8) Chloroethane	1.59	64	192669	49.606	ug/L	99
9) Trichlorofluoromethane	1.76	101	436119	48.037	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	242639	46.924	ug/L	99
12) 1,1-Dichloroethene	2.14	96	241620	48.374	ug/L	92
13) Acetone	2.18	43	277448	67.645	ug/L	95
14) Carbon disulfide	2.31	76	608352	46.185	ug/L	100
15) Methyl Acetate	2.45	43	247928	49.048	ug/L	100
16) Methylene chloride	2.53	84	254252	48.881	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	229798	47.036	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	712178	50.231	ug/L	99
19) 1,1-Dichloroethane	3.22	63	434688	49.384	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	258923	48.939	ug/L	99
22) 2-Butanone	4.00	43	348901	88.626	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	142804	48.854	ug/L	97
25) Chloroform	4.42	83	444429	47.229	ug/L	97
27) 1,2-Dichloroethane	5.17	62	338957	49.989	ug/L	99
29) Cyclohexane	4.72	56	380074	51.219	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	379923	49.549	ug/L	99
31) Carbon tetrachloride	4.87	117	344332	50.272	ug/L	99
33) Benzene	5.14	78	978929	51.755	ug/L	100
34) Trichloroethene	5.96	95	281905	55.569	ug/L	95
35) Methylcyclohexane	6.17	83	377211	49.557	ug/L	99
37) 1,2-Dichloropropane	6.22	63	234524	51.230	ug/L	100
38) Bromodichloromethane	6.55	83	312881	48.193	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	361504	50.162	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	613280	103.023	ug/L	98
42) Toluene	7.43	91	995866	51.029	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	318431	48.794	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	232496	51.165	ug/L	99
46) Tetrachloroethene	8.01	164	234109	51.140	ug/L	98
48) 2-Hexanone	8.18	43	468510	98.386	ug/L	96
49) Dibromochloromethane	8.29	129	277081	49.883	ug/L	100
50) 1,2-Dibromoethane	8.39	107	249391	49.821	ug/L	99
51) Chlorobenzene	8.92	112	654010	48.575	ug/L	98
52) Ethylbenzene	9.05	91	1077352	50.077	ug/L	99
53) m,p-Xylene	9.18	106	423277	50.877	ug/L	99
54) o-xylene	9.58	106	413760	50.865	ug/L	99
55) Styrene	9.60	104	710182	50.603	ug/L	99
56) Isopropylbenzene	9.97	105	1079690	49.380	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	343556	46.442	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	292328	47.188	ug/L	99
61) Bromoform	9.77	173	217708	52.168	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	539711	48.214	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	547885	47.344	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	536681	47.930	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	77266	49.652	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	398492	43.837	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	335680	40.925	ug/L	99
69) Naphthalene	13.55	128	789562	36.661	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	359143	41.869	ug/L	99

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

