

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021720\
 Data File : VV014599.D
 Acq On : 17 Feb 2020 17:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

Quant Time: Feb 18 06:46:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 18 06:41:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280553	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266975	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	134262	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43348	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	34744	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.13	63	85206	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
21) 2-Butanone-d5	3.92	46	99929	109.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.90%
24) Chloroform-d	4.40	84	159641	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.62%
26) 1,2-Dichloroethane-d4	5.08	65	101644	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.12%
32) Benzene-d6	5.10	84	313225	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
36) 1,2-Dichloropropane-d6	6.11	67	93870	50.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.66%
41) Toluene-d8	7.36	98	295025	50.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.46%
43) trans-1,3-Dichloropropene-	7.66	79	51817	49.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.92%
47) 2-Hexanone-d5	8.13	63	80489	110.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.36%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	136272	52.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.82%
66) 1,2-Dichlorobenzene-d4	11.67	152	118205	51.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	98344	50.441 ug/L	98
3) Chloromethane	1.26	50	80357	50.796 ug/L	99
5) Vinyl chloride	1.32	62	59670	48.296 ug/L	100
6) Bromomethane	1.53	94	31985	47.636 ug/L	96
8) Chloroethane	1.60	64	30772	49.341 ug/L	98
9) Trichlorofluoromethane	1.77	101	112663	49.939 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46609	49.741 ug/L	96
12) 1,1-Dichloroethene	2.14	96	43654	49.419 ug/L	95
13) Acetone	2.19	43	61592	79.370 ug/L	97
14) Carbon disulfide	2.32	76	198611	49.019 ug/L	98
15) Methyl Acetate	2.46	43	74729	50.738 ug/L	99
16) Methylene chloride	2.54	84	89905	49.819 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	84144	50.650 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	285778	51.815 ug/L	99
19) 1,1-Dichloroethane	3.23	63	152790	51.617 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	100300	51.341 ug/L	98
22) 2-Butanone	4.01	43	112342	95.078 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49626	51.526	ug/L	96
25) Chloroform	4.42	83	170745	50.917	ug/L	100
27) 1,2-Dichloroethane	5.18	62	127362	50.780	ug/L	100
29) Cyclohexane	4.72	56	128397	50.106	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	150655	50.512	ug/L	98
31) Carbon tetrachloride	4.87	117	134089	50.424	ug/L	100
33) Benzene	5.14	78	350709	50.852	ug/L	100
34) Trichloroethene	5.96	95	94706	50.354	ug/L	98
35) Methylcyclohexane	6.17	83	143755	49.135	ug/L	100
37) 1,2-Dichloropropane	6.22	63	85645	51.201	ug/L	99
38) Bromodichloromethane	6.55	83	130782	50.197	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	149886	50.517	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	215898	103.207	ug/L	99
42) Toluene	7.43	91	382376	50.325	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	139377	50.423	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	92935	51.631	ug/L	100
46) Tetrachloroethene	8.02	164	73176	48.645	ug/L	98
48) 2-Hexanone	8.18	43	166569	101.995	ug/L	97
49) Dibromochloromethane	8.29	129	109182	50.067	ug/L	100
50) 1,2-Dibromoethane	8.39	107	99263	50.187	ug/L	99
51) Chlorobenzene	8.92	112	257396	50.094	ug/L	99
52) Ethylbenzene	9.05	91	438060	50.153	ug/L	100
53) m,p-Xylene	9.18	106	168264	49.797	ug/L	99
54) o-Xylene	9.58	106	164221	50.472	ug/L	100
55) Styrene	9.60	104	281648	50.829	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	145822	50.898	ug/L	99
59) Bromoform	9.77	173	75784	50.008	ug/L	98
60) Isopropylbenzene	9.97	105	433887	50.925	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	116041	51.866	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	373108	51.251	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	365138	51.345	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	200607	49.120	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	205086	49.013	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	203391	50.603	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	33335	49.573	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	141707	48.023	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	130358	48.877	ug/L	99
71) Naphthalene	13.54	128	428164	52.429	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	129692	49.813	ug/L	100

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

