

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021220\
 Data File : VV014577.D
 Acq On : 12 Feb 2020 17:15
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Quant Time: Feb 13 05:59:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 05:55:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	311092	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	292439	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	146467	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55014	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.10%
7) Chloroethane-d5	1.58	69	39113	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.10%
11) 1,1-Dichloroethene-d2	2.13	63	94501	47.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.80%
21) 2-Butanone-d5	3.92	46	102124	103.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.40	84	174982	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	5.08	65	108210	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
32) Benzene-d6	5.10	84	348766	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.11	67	104624	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.34%
41) Toluene-d8	7.36	98	331288	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%
43) trans-1,3-Dichloropropene-	7.66	79	57363	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.13	63	82388	97.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.88%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	143081	50.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.10%
64) 1,2-Dichlorobenzene-d4	11.67	152	125574	48.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.06%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	105575	47.821	ug/L	100
3) Chloromethane	1.26	50	85578	43.639	ug/L	98
5) Vinyl chloride	1.33	62	63987	45.911	ug/L	97
6) Bromomethane	1.53	94	33160	48.897	ug/L	100
8) Chloroethane	1.60	64	33036	47.195	ug/L	98
9) Trichlorofluoromethane	1.77	101	116242	48.280	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47421	46.202	ug/L	97
12) 1,1-Dichloroethene	2.14	96	46111	48.330	ug/L	91
13) Acetone	2.19	43	57838	68.049	ug/L	97
14) Carbon disulfide	2.32	76	218258	46.733	ug/L	99
15) Methyl Acetate	2.45	43	79607	48.868	ug/L	99
16) Methylene chloride	2.54	84	95640	47.958	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	91457	48.594	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	298712	49.494	ug/L	99
19) 1,1-Dichloroethane	3.23	63	161259	48.865	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	106099	48.761	ug/L	95
22) 2-Butanone	4.01	43	115830	90.892	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	51882	49.228	ug/L	97
25) Chloroform	4.42	83	177804	48.695	ug/L	100
27) 1,2-Dichloroethane	5.17	62	131609	48.888	ug/L	99
29) Cyclohexane	4.73	56	140238	47.903	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	156542	49.206	ug/L	99
31) Carbon tetrachloride	4.87	117	135708	47.241	ug/L	99
33) Benzene	5.14	78	373807	48.685	ug/L	100
34) Trichloroethene	5.96	95	100452	48.482	ug/L	99
35) Methylcyclohexane	6.17	83	153434	47.297	ug/L	98
37) 1,2-Dichloropropane	6.22	63	92132	48.595	ug/L	100
38) Bromodichloromethane	6.55	83	134329	48.319	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	161924	48.379	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	222894	95.177	ug/L	100
42) Toluene	7.43	91	408256	48.760	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	149042	49.308	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	95775	48.904	ug/L	99
46) Tetrachloroethene	8.02	164	78074	47.919	ug/L	98
48) 2-Hexanone	8.18	43	165201	90.479	ug/L	98
49) Dibromochloromethane	8.28	129	113763	48.740	ug/L	98
50) 1,2-Dibromoethane	8.39	107	104093	49.123	ug/L	99
51) Chlorobenzene	8.92	112	271011	48.415	ug/L	99
52) Ethylbenzene	9.05	91	461217	48.562	ug/L	100
53) m,p-Xylene	9.18	106	175860	47.428	ug/L	99
54) o-xylene	9.58	106	173190	48.867	ug/L	99
55) Styrene	9.60	104	296451	48.679	ug/L	99
56) Isopropylbenzene	9.97	105	455349	48.302	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	149690	48.382	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	120551	49.409	ug/L	99
61) Bromoform	9.77	173	77857	49.113	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	213642	48.231	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	217120	48.089	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	209945	48.250	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	33742	47.603	ug/L	93
67) 1,3,5-Trichlorobenzene	12.68	180	150877	47.364	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	136599	46.306	ug/L	100
69) Naphthalene	13.54	128	435314	46.538	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	133065	46.791	ug/L	98

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

