

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062920\
 Data File : VV017253.D
 Acq On : 30 Jun 2020 11:45
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Jun 30 12:18:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 30 12:05:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	325379	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	316532	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74872	32.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.22%
7) Chloroethane-d5	1.58	69	56484	41.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.13	63	176959	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.80%
21) 2-Butanone-d5	3.90	46	167100	98.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.33%
24) Chloroform-d	4.38	84	225531	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
26) 1,2-Dichloroethane-d4	5.06	65	164668	51.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.72%
32) Benzene-d6	5.08	84	395330	43.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.66%
36) 1,2-Dichloropropane-d6	6.09	67	123606	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.92%
41) Toluene-d8	7.34	98	370580	44.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.52%
43) trans-1,3-Dichloropropene-	7.64	79	70668	47.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.42%
47) 2-Hexanone-d5	8.11	63	116030	93.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.57%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	183969	48.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	166666	46.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	159610	61.873	ug/L 98
3) Chloromethane	1.25	50	117067	49.624	ug/L 98
5) Vinyl chloride	1.32	62	112800	48.623	ug/L 97
6) Bromomethane	1.53	94	63035	65.240	ug/L 98
8) Chloroethane	1.60	64	56522	49.323	ug/L 98
9) Trichlorofluoromethane	1.76	101	199144	57.363	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	94980	54.904	ug/L 98
12) 1,1-Dichloroethene	2.14	96	87709	54.311	ug/L 87
13) Acetone	2.19	43	115294	102.975	ug/L 98
14) Carbon disulfide	2.31	76	284767	48.702	ug/L 99
15) Methyl Acetate	2.44	43	114541	45.899	ug/L 96
16) Methylene chloride	2.52	84	113328	47.823	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	104045	47.252	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	366619	50.250	ug/L 99
19) 1,1-Dichloroethane	3.21	63	196340	47.371	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	115883	48.274	ug/L 97
22) 2-Butanone	3.99	43	160228	92.802	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	64219	50.785	uq/L	92
25) Chloroform	4.40	83	213796	50.192	uq/L	97
27) 1,2-Dichloroethane	5.16	62	185322	51.901	uq/L	97
29) Cyclohexane	4.70	56	167976	42.705	uq/L	98
30) 1,1,1-Trichloroethane	4.64	97	199630	49.454	uq/L	98
31) Carbon tetrachloride	4.86	117	179747	51.472	uq/L	100
33) Benzene	5.13	78	428991	45.807	uq/L	100
34) Trichloroethene	5.94	95	116191	46.259	uq/L	96
35) Methylcyclohexane	6.15	83	179972	45.674	uq/L	99
37) 1,2-Dichloropropane	6.20	63	107633	44.193	uq/L #	86
38) Bromodichloromethane	6.53	83	162347	50.074	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	174679	46.172	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	308773	89.469	uq/L	97
42) Toluene	7.41	91	465721	47.172	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	185343	50.392	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	111487	47.447	uq/L	96
46) Tetrachloroethene	8.00	164	98686	49.957	uq/L	99
48) 2-Hexanone	8.16	43	241073	90.090	uq/L	99
49) Dibromochloromethane	8.27	129	132369	52.687	uq/L	97
50) 1,2-Dibromoethane	8.37	107	119295	48.482	uq/L	97
51) Chlorobenzene	8.90	112	304680	47.301	uq/L	98
52) Ethylbenzene	9.03	91	522285	47.761	uq/L	99
53) m,p-Xylene	9.16	106	197861	48.596	uq/L	99
54) o-xylene	9.56	106	193986	48.308	uq/L	99
55) Styrene	9.58	104	341182	50.254	uq/L	98
56) Isopropylbenzene	9.95	105	524080	48.571	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	168722	46.833	uq/L	97
59) 1,2,3-Trichloropropane	10.29	75	142469	47.147	uq/L	100
61) Bromoform	9.75	173	97737	56.573	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	257010	48.311	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	256011	47.297	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	259362	48.649	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	43476	51.862	uq/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	194625	49.061	uq/L	98
68) 1,2,4-trichlorobenzene	13.28	180	177635	48.819	uq/L	99
69) Naphthalene	13.53	128	547728	52.331	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	181620	51.013	uq/L	100

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

