

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018441.D
 Acq On : 25 Sep 2020 09:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Sep 25 23:40:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 04:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	380478	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	363917	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	201083	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139358	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.58	69	112351	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.12	63	253561	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
21) 2-Butanone-d5	3.91	46	160413	84.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.52%
24) Chloroform-d	4.37	84	238750	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
26) 1,2-Dichloroethane-d4	5.05	65	146819	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.14%
32) Benzene-d6	5.07	84	480483	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
36) 1,2-Dichloropropane-d6	6.09	67	149629	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.33	98	445704	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.64	79	78100	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
47) 2-Hexanone-d5	8.11	63	111225	88.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.71%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	190820	45.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	185352	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	119852	43.199	ug/L 100
3) Chloromethane	1.25	50	132469	43.727	ug/L 99
5) Vinyl chloride	1.32	62	142026	45.717	ug/L 100
6) Bromomethane	1.53	94	88478	46.597	ug/L 96
8) Chloroethane	1.60	64	90161	46.330	ug/L 98
9) Trichlorofluoromethane	1.76	101	192766	45.099	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	124827	48.619	ug/L 99
12) 1,1-Dichloroethene	2.13	96	118036	47.248	ug/L 98
13) Acetone	2.20	43	177913	117.067	ug/L 100
14) Carbon disulfide	2.31	76	320713	41.954	ug/L 100
15) Methyl Acetate	2.45	43	123150	45.091	ug/L 97
16) Methylene chloride	2.52	84	130118	46.441	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	121686	47.264	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	392934	49.338	ug/L 99
19) 1,1-Dichloroethane	3.21	63	231768	47.612	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	133845	48.632	ug/L 94
22) 2-Butanone	4.00	43	199328	110.762	ug/L 99

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

23) Bromochloromethane	4.27	128	70092	48.676	ug/L	98
25) Chloroform	4.40	83	233870	47.264	ug/L	100
27) 1,2-Dichloroethane	5.15	62	175438	45.799	ug/L	99
29) Cyclohexane	4.70	56	206993	49.257	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	203639	48.217	ug/L	99
31) Carbon tetrachloride	4.85	117	178940	48.184	ug/L	99
33) Benzene	5.12	78	509530	48.971	ug/L	100
34) Trichloroethene	5.93	95	139979	49.386	ug/L	98
35) Methylcyclohexane	6.15	83	211208	49.491	ug/L	99
37) 1,2-Dichloropropane	6.19	63	136856	49.637	ug/L	99
38) Bromodichloromethane	6.53	83	173823	48.446	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	215451	50.717	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	329092	98.387	ug/L	98
42) Toluene	7.41	91	549554	49.909	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	208542	50.418	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	128418	50.251	ug/L	99
46) Tetrachloroethene	7.99	164	110881	49.893	ug/L	99
48) 2-Hexanone	8.15	43	279231	105.888	ug/L	98
49) Dibromochloromethane	8.26	129	141086	49.184	ug/L	99
50) 1,2-Dibromoethane	8.37	107	134443	49.987	ug/L	100
51) Chlorobenzene	8.90	112	361347	50.531	ug/L	98
52) Ethylbenzene	9.03	91	615330	51.186	ug/L	99
53) m,p-Xylene	9.16	106	234734	52.314	ug/L	97
54) o-xylene	9.56	106	225771	52.228	ug/L	99
55) Styrene	9.58	104	399476	53.168	ug/L	100
56) Isopropylbenzene	9.95	105	617135	52.972	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	188115	49.763	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	158487	48.872	ug/L	99
61) Bromoform	9.75	173	103293	47.816	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	302989	50.672	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	308857	50.254	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	297942	49.297	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	40023	46.928	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	233575	49.551	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	214470	51.093	ug/L	99
69) Naphthalene	13.52	128	595713	56.086	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	212749	51.458	ug/L	100

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

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