

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018148.D
 Acq On : 03 Sep 2020 11:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050608

Quant Time: Sep 04 02:08:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 16 12:16:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254004	50.00	ug/L	-0.02
28) Chlorobenzene-d5	8.87	117	251498	50.00	ug/L	-0.02
58) 1,4-Dichlorobenzene-d4	11.27	152	139551	50.00	ug/L	-0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	75466	54.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.70%
7) Chloroethane-d5	1.58	69	70146	71.17	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	142.34%#
11) 1,1-Dichloroethene-d2	2.12	63	164506	68.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	136.68%#
21) 2-Butanone-d5	3.90	46	127564	126.09	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.09%
24) Chloroform-d	4.37	84	171510	49.23	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
26) 1,2-Dichloroethane-d4	5.05	65	109766	49.05	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
32) Benzene-d6	5.07	84	321145	44.37	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
36) 1,2-Dichloropropane-d6	6.09	67	106875	50.98	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.96%
41) Toluene-d8	7.33	98	293137	42.01	ug/L	-0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.02%
43) trans-1,3-Dichloropropene-	7.64	79	52930	44.41	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.82%
47) 2-Hexanone-d5	8.10	63	72889	83.72	ug/L	-0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.72%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	148657	50.31	ug/L	-0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.62%
66) 1,2-Dichlorobenzene-d4	11.65	152	131841	40.17	ug/L	-0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	89185	49.711	ug/L 99
3) Chloromethane	1.25	50	98771	77.535	ug/L 100
5) Vinyl chloride	1.32	62	107445	87.381	ug/L 99
6) Bromomethane	1.53	94	63414	88.832	ug/L 100
8) Chloroethane	1.59	64	70572	109.588	ug/L 100
9) Trichlorofluoromethane	1.76	101	159576	79.819	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96445	98.409	ug/L 90
12) 1,1-Dichloroethene	2.13	96	85661	92.822	ug/L 94
13) Acetone	2.18	43	164335	238.244	ug/L 95
14) Carbon disulfide	2.31	76	211566	67.840	ug/L 100
15) Methyl Acetate	2.44	43	105313	87.259	ug/L 92
16) Methylene chloride	2.52	84	104498	74.630	ug/L 90
17) trans-1,2-Dichloroethene	2.78	96	88917	68.235	ug/L 92
18) Methyl tert-butyl Ether	2.78	73	311284	69.520	ug/L 97
19) 1,1-Dichloroethane	3.21	63	184991	77.846	ug/L 97
20) cis-1,2-Dichloroethene	3.93	96	102385	66.706	ug/L 82
22) 2-Butanone	3.98	43	172812	194.400	ug/L 93

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

23) Bromochloromethane	4.27	128	53425	63.300	ug/L #	77
25) Chloroform	4.40	83	193950	72.002	ug/L	98
27) 1,2-Dichloroethane	5.15	62	147882	70.636	ug/L	99
29) Cyclohexane	4.70	56	144421	68.674	ug/L	91
30) 1,1,1-Trichloroethane	4.63	97	162087	60.671	ug/L	97
31) Carbon tetrachloride	4.85	117	140241	56.584	ug/L	98
33) Benzene	5.12	78	394394	68.124	ug/L	100
34) Trichloroethene	5.93	95	104104	64.696	ug/L	94
35) Methylcyclohexane	6.15	83	149913	62.593	ug/L	92
37) 1,2-Dichloropropane	6.19	63	109962	77.872	ug/L	98
38) Bromodichloromethane	6.53	83	145662	65.571	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	168696	67.761	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	284433	156.504	ug/L	96
42) Toluene	7.41	91	425272	66.110	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	168243	71.590	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	103599	68.060	ug/L	96
46) Tetrachloroethene	7.99	164	80737	53.851	ug/L	97
48) 2-Hexanone	8.15	43	240699	175.669	ug/L	97
49) Dibromochloromethane	8.26	129	114751	58.094	ug/L	99
50) 1,2-Dibromoethane	8.37	107	106504	63.266	ug/L	98
51) Chlorobenzene	8.90	112	278950	64.317	ug/L	95
52) Ethylbenzene	9.03	91	472799	65.503	ug/L	98
53) m,p-Xylene	9.16	106	178581	64.135	ug/L	99
54) o-Xylene	9.56	106	172237	62.336	ug/L	98
55) Styrene	9.58	104	312373	67.112	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	159260	68.037	ug/L	98
59) Bromoform	9.75	173	85322	52.123	ug/L	98
60) Isopropylbenzene	9.95	105	467803	61.236	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	132718	70.037	ug/L	97
62) 1,3,5-Trimethylbenzene	10.56	105	391912	59.342	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	406183	62.315	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	236850	61.447	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	240132	61.633	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	235269	59.822	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	33554	53.727	ug/L	84
69) 1,3,5-Trichlorobenzene	12.67	180	188127	60.207	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	172684	63.738	ug/L	100
71) Naphthalene	13.52	128	455330	66.311	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	174493	64.001	ug/L	99

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

