

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020320\
 Data File : VV014480.D
 Acq On : 03 Feb 2020 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Feb 04 04:42:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 03 16:14:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	448571	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	411323	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	207168	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113081	45.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.78%
7) Chloroethane-d5	1.59	69	79388	51.25	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.50%
11) 1,1-Dichloroethene-d2	2.14	63	178390	53.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.28%
21) 2-Butanone-d5	3.92	46	177754	106.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	4.40	84	263029	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.78%
26) 1,2-Dichloroethane-d4	5.08	65	159026	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
32) Benzene-d6	5.09	84	534638	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.11	67	166023	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.90%
41) Toluene-d8	7.35	98	502263	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%
43) trans-1,3-Dichloropropene-	7.66	79	90771	52.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.24%
47) 2-Hexanone-d5	8.12	63	139675	104.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.19%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	216074	48.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.88%
64) 1,2-Dichlorobenzene-d4	11.67	152	187206	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	199967	53.321	ug/L 99
3) Chloromethane	1.26	50	213957	54.643	ug/L 99
5) Vinyl chloride	1.33	62	160502	51.012	ug/L 99
6) Bromomethane	1.54	94	58736	56.028	ug/L 99
8) Chloroethane	1.60	64	77036	55.759	ug/L 99
9) Trichlorofluoromethane	1.77	101	204361	56.411	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	102251	60.204	ug/L 98
12) 1,1-Dichloroethene	2.14	96	96982	56.835	ug/L 98
13) Acetone	2.18	43	177666	124.217	ug/L 98
14) Carbon disulfide	2.32	76	442784	52.833	ug/L 99
15) Methyl Acetate	2.45	43	153867	55.825	ug/L 99
16) Methylene chloride	2.54	84	166863	50.786	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	157918	53.355	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	500680	54.996	ug/L 98
19) 1,1-Dichloroethane	3.23	63	285339	52.833	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	174579	52.887	ug/L 96
22) 2-Butanone	4.00	43	250056	121.331	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	82151	53.086	ug/L	96
25) Chloroform	4.42	83	284215	52.245	ug/L	99
27) 1,2-Dichloroethane	5.17	62	215019	55.594	ug/L	100
29) Cyclohexane	4.72	56	277542	55.231	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	252701	57.331	ug/L	100
31) Carbon tetrachloride	4.87	117	222126	57.757	ug/L	99
33) Benzene	5.14	78	644307	53.088	ug/L	100
34) Trichloroethene	5.96	95	168974	55.124	ug/L	98
35) Methylcyclohexane	6.17	83	284835	55.922	ug/L	99
37) 1,2-Dichloropropane	6.22	63	165060	54.422	ug/L	100
38) Bromodichloromethane	6.55	83	222967	54.906	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	272659	54.671	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	415169	113.225	ug/L	98
42) Toluene	7.43	91	690783	54.372	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	248907	56.199	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	152414	53.187	ug/L	99
46) Tetrachloroethene	8.01	164	130281	58.114	ug/L	97
48) 2-Hexanone	8.17	43	332355	115.874	ug/L	97
49) Dibromochloromethane	8.28	129	176734	56.055	ug/L	98
50) 1,2-Dibromoethane	8.39	107	165479	54.236	ug/L	98
51) Chlorobenzene	8.92	112	439286	54.049	ug/L	99
52) Ethylbenzene	9.05	91	777111	54.498	ug/L	100
53) m,p-Xylene	9.18	106	294387	55.288	ug/L	99
54) o-xylene	9.58	106	283639	53.761	ug/L	98
55) Styrene	9.60	104	491159	55.470	ug/L	100
56) Isopropylbenzene	9.97	105	752200	55.759	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	242777	53.032	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	185349	51.712	ug/L	100
61) Bromoform	9.77	173	120963	55.883	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	345987	54.301	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	352016	53.666	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	332308	52.764	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	53756	53.693	ug/L	99
67) 1,3,5-Trichlorobenzene	12.68	180	245509	57.194	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	225235	57.762	ug/L	100
69) Naphthalene	13.54	128	717096	58.070	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	215760	57.422	ug/L	98

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

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