

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\
 Data File : VV019443.D
 Acq On : 02 Dec 2020 12:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Dec 03 05:43:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 00:24:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	402697	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	403074	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	223303	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	147416	36.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.30%
7) Chloroethane-d5	1.58	69	130953	40.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.02%
11) 1,1-Dichloroethene-d2	2.12	63	313197	43.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.50%
21) 2-Butanone-d5	3.89	46	232603	94.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.89%
24) Chloroform-d	4.37	84	293527	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
26) 1,2-Dichloroethane-d4	5.05	65	190517	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.54%
32) Benzene-d6	5.07	84	536284	45.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.09	67	182681	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.14%
41) Toluene-d8	7.33	98	484740	45.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.64	79	89128	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.08%
47) 2-Hexanone-d5	8.10	63	155225	99.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.36%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	243613	47.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.92%
64) 1,2-Dichlorobenzene-d4	11.64	152	193322	44.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	159624	49.041	ug/L 98
3) Chloromethane	1.25	50	202824	46.335	ug/L 98
5) Vinyl chloride	1.32	62	200555	47.952	ug/L 99
6) Bromomethane	1.53	94	139365	51.111	ug/L 98
8) Chloroethane	1.59	64	131033	49.227	ug/L 99
9) Trichlorofluoromethane	1.76	101	270806	51.569	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	153483	54.350	ug/L 98
12) 1,1-Dichloroethene	2.13	96	146307	49.764	ug/L 90
13) Acetone	2.17	43	222093	118.491	ug/L 97
14) Carbon disulfide	2.31	76	425485	49.860	ug/L 100
15) Methyl Acetate	2.44	43	189462	49.924	ug/L 97
16) Methylene chloride	2.52	84	164140	48.200	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	144596	49.726	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	474023	51.265	ug/L 99
19) 1,1-Dichloroethane	3.21	63	302304	50.683	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	159097	49.788	ug/L 98
22) 2-Butanone	3.98	43	272722	109.713	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	81173	47.964	ug/L	93
25) Chloroform	4.40	83	301607	50.022	ug/L	100
27) 1,2-Dichloroethane	5.15	62	241517	51.051	ug/L	98
29) Cyclohexane	4.70	56	247834	58.737	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	261221	53.652	ug/L	100
31) Carbon tetrachloride	4.85	117	226574	54.207	ug/L	100
33) Benzene	5.12	78	633159	52.489	ug/L	100
34) Trichloroethene	5.93	95	171966	51.121	ug/L	98
35) Methylcyclohexane	6.15	83	239240	60.439	ug/L	99
37) 1,2-Dichloropropane	6.19	63	173723	52.214	ug/L	99
38) Bromodichloromethane	6.53	83	228034	51.695	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	264544	53.828	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	502801	107.172	ug/L	99
42) Toluene	7.41	91	680052	54.347	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	268695	54.888	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	157740	50.630	ug/L	99
46) Tetrachloroethene	7.99	164	123440	52.837	ug/L	97
48) 2-Hexanone	8.15	43	407761	109.737	ug/L	99
49) Dibromochloromethane	8.26	129	173386	50.354	ug/L	99
50) 1,2-Dibromoethane	8.37	107	164333	49.701	ug/L	98
51) Chlorobenzene	8.90	112	422231	51.148	ug/L	99
52) Ethylbenzene	9.03	91	743058	55.334	ug/L	98
53) m,p-Xylene	9.15	106	272814	54.908	ug/L	97
54) o-xylene	9.56	106	263227	54.410	ug/L	99
55) Styrene	9.58	104	477935	55.187	ug/L	99
56) Isopropylbenzene	9.95	105	706284	55.724	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	241145	50.638	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	217085	49.671	ug/L	100
61) Bromoform	9.75	173	129009	50.534	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	343913	52.940	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	351101	51.421	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	339930	50.967	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	58786	50.936	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	256654	54.273	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	229128	54.727	ug/L	100
69) Naphthalene	13.52	128	560158	52.615	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	235623	53.842	ug/L	100

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

