

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014552.D
 Acq On : 10 Feb 2020 15:21
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050211

Quant Time: Feb 11 04:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 04:43:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	338732	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	317002	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	161759	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70312	38.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.56%
7) Chloroethane-d5	1.58	69	48977	38.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.38%
11) 1,1-Dichloroethene-d2	2.13	63	115933	41.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.12%
21) 2-Butanone-d5	3.92	46	128106	90.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.34%
24) Chloroform-d	4.40	84	201849	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	5.08	65	124393	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
32) Benzene-d6	5.10	84	409715	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
36) 1,2-Dichloropropane-d6	6.11	67	122564	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.08%
41) Toluene-d8	7.36	98	384725	47.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.66	79	66788	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.12	63	107213	93.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.63%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	168156	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
66) 1,2-Dichlorobenzene-d4	11.67	152	150082	48.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	137114	50.532	ug/L 98
3) Chloromethane	1.26	50	119252	43.405	ug/L 100
5) Vinyl chloride	1.33	62	88513	42.062	ug/L 99
6) Bromomethane	1.53	94	43313	44.761	ug/L 96
8) Chloroethane	1.60	64	42479	40.625	ug/L 100
9) Trichlorofluoromethane	1.77	101	141188	49.807	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	61975	45.531	ug/L 99
12) 1,1-Dichloroethene	2.14	96	56072	43.070	ug/L 94
13) Acetone	2.18	43	91677	77.220	ug/L 99
14) Carbon disulfide	2.32	76	279901	44.280	ug/L 99
15) Methyl Acetate	2.45	43	95807	41.968	ug/L 97
16) Methylene chloride	2.54	84	113998	46.106	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	108507	47.306	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	342657	47.175	ug/L 99
19) 1,1-Dichloroethane	3.23	63	193014	47.058	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	121907	47.229	ug/L 99
22) 2-Butanone	4.00	43	145644	82.946	ug/L 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	60027	49.112	ug/L	94
25) Chloroform	4.42	83	204505	49.035	ug/L	99
27) 1,2-Dichloroethane	5.17	62	149860	48.224	ug/L	99
29) Cyclohexane	4.72	56	178134	45.703	ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	179635	49.652	ug/L	99
31) Carbon tetrachloride	4.87	117	157353	49.300	ug/L	98
33) Benzene	5.14	78	448296	48.102	ug/L	100
34) Trichloroethene	5.96	95	120034	48.590	ug/L	99
35) Methylcyclohexane	6.17	83	193537	47.942	ug/L	98
37) 1,2-Dichloropropane	6.22	63	111798	47.096	ug/L	99
38) Bromodichloromethane	6.55	83	155621	48.849	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	193657	48.905	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	268362	87.481	ug/L	98
42) Toluene	7.43	91	481407	48.178	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	172293	48.526	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	110879	48.687	ug/L	97
46) Tetrachloroethene	8.01	164	93365	49.543	ug/L	98
48) 2-Hexanone	8.18	43	207250	87.760	ug/L	98
49) Dibromochloromethane	8.29	129	128029	49.794	ug/L	100
50) 1,2-Dibromoethane	8.39	107	120438	48.828	ug/L	99
51) Chlorobenzene	8.92	112	318658	48.821	ug/L	98
52) Ethylbenzene	9.05	91	549638	49.049	ug/L	98
53) m,p-Xylene	9.18	106	210575	48.785	ug/L	99
54) o-Xylene	9.58	106	205445	49.728	ug/L	100
55) Styrene	9.60	104	354512	50.207	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	173090	48.493	ug/L	99
59) Bromoform	9.77	173	89167	49.422	ug/L	99
60) Isopropylbenzene	9.97	105	540188	49.382	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	134665	47.008	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	468923	50.073	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	456548	49.452	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	252594	48.954	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	262866	49.486	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	248337	49.640	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	38701	48.240	ug/L	98
69) 1,3,5-Trichlorobenzene	12.68	180	184050	50.631	ug/L	100
70) 1,2,4-trichlorobenzene	13.30	180	170185	50.992	ug/L	99
71) Naphthalene	13.54	128	526074	47.986	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	162313	50.055	ug/L	99

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

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