

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040539.D
 Acq On : 06 Oct 2020 20:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

Quant Time: Oct 07 08:15:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	292562	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	285162	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	148531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	116286	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.56%
7) Chloroethane-d5	1.92	69	89902	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.94%
11) 1,1-Dichloroethene-d2	2.58	63	224441	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
21) 2-Butanone-d5	4.64	46	194713	97.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.65%
24) Chloroform-d	5.08	84	213805	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
26) 1,2-Dichloroethane-d4	5.72	65	144997	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
32) Benzene-d6	5.74	84	406384	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
36) 1,2-Dichloropropane-d6	6.70	67	131753	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.88%
41) Toluene-d8	7.91	98	367983	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	8.19	79	68356	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.40%
47) 2-Hexanone-d5	8.64	63	132252	104.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.30%
56) 1,1,2,2-Tetrachloroethane-	10.76	84	189641	48.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.54%
66) 1,2-Dichlorobenzene-d4	12.19	152	141131	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	131625	46.723	ug/L 98
3) Chloromethane	1.53	50	137586	46.476	ug/L 100
5) Vinyl chloride	1.61	62	138637	47.300	ug/L 99
6) Bromomethane	1.86	94	71842	46.698	ug/L 97
8) Chloroethane	1.94	64	83583	47.263	ug/L 100
9) Trichlorofluoromethane	2.15	101	179257	47.678	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	105322	46.994	ug/L 98
12) 1,1-Dichloroethene	2.59	96	99019	47.786	ug/L 93
13) Acetone	2.63	43	143036	74.694	ug/L 99
14) Carbon disulfide	2.80	76	330283	46.429	ug/L 99
15) Methyl Acetate	2.96	43	150173	48.078	ug/L 99
16) Methylene chloride	3.06	84	116637	47.463	ug/L 94
17) trans-1,2-Dichloroethene	3.37	96	105496	47.800	ug/L 96
18) Methyl tert-butyl Ether	3.38	73	341262	49.162	ug/L 99
19) 1,1-Dichloroethane	3.89	63	210123	47.736	ug/L 96
20) cis-1,2-Dichloroethene	4.69	96	113569	47.748	ug/L 96
22) 2-Butanone	4.72	43	217858	89.184	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	60445	48.766	ug/L	96
25) Chloroform	5.11	83	213157	47.491	ug/L	100
27) 1,2-Dichloroethane	5.81	62	176195	47.568	ug/L	98
29) Cyclohexane	5.41	56	190847	49.983	ug/L	99
30) 1,1,1-Trichloroethane	5.33	97	178018	48.607	ug/L	98
31) Carbon tetrachloride	5.54	117	156796	49.510	ug/L	99
33) Benzene	5.79	78	450734	48.902	ug/L	100
34) Trichloroethene	6.56	95	114998	48.433	ug/L	98
35) Methylcyclohexane	6.77	83	174164	48.246	ug/L	99
37) 1,2-Dichloropropane	6.80	63	120752	47.708	ug/L	99
38) Bromodichloromethane	7.12	83	157922	48.034	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	179581	48.411	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	398280	99.724	ug/L	99
42) Toluene	7.98	91	471798	50.137	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	184186	49.315	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	110804	48.869	ug/L	98
46) Tetrachloroethene	8.56	164	83772	48.827	ug/L	98
48) 2-Hexanone	8.69	43	315010	97.044	ug/L	100
49) Dibromochloromethane	8.82	129	121764	49.181	ug/L	100
50) 1,2-Dibromoethane	8.93	107	120342	50.067	ug/L	96
51) Chlorobenzene	9.45	112	299749	48.565	ug/L	99
52) Ethylbenzene	9.57	91	525265	50.289	ug/L	99
53) m,p-Xylene	9.70	106	194104	50.466	ug/L	99
54) o-xylene	10.10	106	188112	51.406	ug/L	99
55) Styrene	10.11	104	331990	51.507	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	192590	48.032	ug/L	99
59) Bromoform	10.29	173	86387	47.452	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	157246	46.607	ug/L	99
61) Isopropylbenzene	10.48	105	496742	49.800	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	417457	50.938	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	421281	50.685	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	229973	47.283	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	236521	46.301	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	233070	47.835	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	43757	46.161	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	151589	47.568	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	132248	47.880	ug/L	100
71) Naphthalene	14.08	128	415840	48.707	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	133875	48.830	ug/L	98

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

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