

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111119\
 Data File : VU035683.D
 Acq On : 11 Nov 2019 09:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Nov 11 10:15:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 08 06:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	707235	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	693097	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	318867	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	232793	40.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.50%
7) Chloroethane-d5	1.93	69	203843	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	2.60	63	387886	43.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.32%
21) 2-Butanone-d5	4.69	46	324970	97.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.39%
24) Chloroform-d	5.11	84	415430	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
26) 1,2-Dichloroethane-d4	5.75	65	243862	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.26%
32) Benzene-d6	5.77	84	829763	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
36) 1,2-Dichloropropane-d6	6.73	67	271902	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.82%
41) Toluene-d8	7.93	98	789290	46.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.64%
43) trans-1,3-Dichloropropene-	8.21	79	133068	49.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.62%
47) 2-Hexanone-d5	8.67	63	239668	106.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.73%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	400280	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	12.22	152	290050	45.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	257195	46.631	ug/L	100
3) Chloromethane	1.54	50	294458	48.986	ug/L	100
5) Vinyl chloride	1.62	62	302105	46.710	ug/L	99
6) Bromomethane	1.87	94	178317	54.432	ug/L	96
8) Chloroethane	1.95	64	180359	47.946	ug/L	97
9) Trichlorofluoromethane	2.16	101	372269	48.590	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	219984	50.015	ug/L	100
12) 1,1-Dichloroethene	2.61	96	209337	48.455	ug/L	96
13) Acetone	2.66	43	369696	125.935	ug/L	98
14) Carbon disulfide	2.82	76	635361	47.735	ug/L	99
15) Methyl Acetate	2.99	43	259311	48.769	ug/L	98
16) Methylene chloride	3.08	84	256867	48.729	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	224091	49.256	ug/L	98
18) Methyl tert-butyl Ether	3.42	73	705095	51.261	ug/L	98
19) 1,1-Dichloroethane	3.92	63	419134	47.758	ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	254952	49.684	ug/L	97
22) 2-Butanone	4.76	43	431157	111.260	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	134365	49.551	ug/L	98
25) Chloroform	5.13	83	424805	47.661	ug/L	98
27) 1,2-Dichloroethane	5.84	62	315059	48.383	ug/L	99
29) Cyclohexane	5.43	56	361337	51.112	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	354632	48.681	ug/L	98
31) Carbon tetrachloride	5.57	117	319893	49.386	ug/L	99
33) Benzene	5.82	78	959416	49.254	ug/L	100
34) Trichloroethene	6.58	95	237748	48.010	ug/L	99
35) Methylcyclohexane	6.80	83	357611	49.723	ug/L	99
37) 1,2-Dichloropropane	6.83	63	257010	49.270	ug/L	99
38) Bromodichloromethane	7.14	83	323226	48.749	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	410015	52.881	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	686657	98.395	ug/L	98
42) Toluene	8.00	91	1051371	51.498	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	363672	51.170	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	248101	49.622	ug/L	99
46) Tetrachloroethene	8.58	164	211506	51.079	ug/L	97
48) 2-Hexanone	8.73	43	568657	100.204	ug/L	97
49) Dibromochloromethane	8.84	129	282695	50.137	ug/L	99
50) 1,2-Dibromoethane	8.96	107	272018	50.993	ug/L	99
51) Chlorobenzene	9.48	112	681974	50.038	ug/L	97
52) Ethylbenzene	9.60	91	1114001	51.041	ug/L	98
53) m,p-Xylene	9.72	106	434678	53.076	ug/L	96
54) o-xylene	10.13	106	426338	53.262	ug/L	99
55) Styrene	10.14	104	708699	53.349	ug/L	97
56) Isopropylbenzene	10.51	105	1072954	53.341	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	420723	48.853	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	331041	48.671	ug/L	99
61) Bromoform	10.32	173	226857	46.634	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	489552	48.667	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	489037	47.856	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	487527	47.606	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	71998	45.344	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	273995	47.147	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	160396	41.202	ug/L	99
69) Naphthalene	14.11	128	389618	39.020	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	169961	40.521	ug/L	99

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

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