

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031819\
 Data File : VU030181.D
 Acq On : 18 Mar 2019 17:58
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Mar 19 02:30:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 12:44:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	525480	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	513409	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	267948	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	187360	53.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.80%
7) Chloroethane-d5	1.68	69	151796	54.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.27	63	320609	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.20%
21) 2-Butanone-d5	4.17	46	283595	108.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.90%
24) Chloroform-d	4.64	84	335075	53.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.48%
26) 1,2-Dichloroethane-d4	5.31	65	193066	53.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.20%
32) Benzene-d6	5.34	84	721429	54.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.18%
36) 1,2-Dichloropropane-d6	6.33	67	218337	53.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.96%
41) Toluene-d8	7.56	98	669722	54.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.24%
43) trans-1,3-Dichloropropene-	7.85	79	106832	54.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.06%
47) 2-Hexanone-d5	8.31	63	239896	106.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	338794	54.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	270592	52.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.26%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	146574	44.145	ug/L	99
3) Chloromethane	1.33	50	162394	44.332	ug/L	99
5) Vinyl chloride	1.40	62	184078	45.842	ug/L	99
6) Bromomethane	1.62	94	104259	41.913	ug/L	97
8) Chloroethane	1.69	64	116512	44.270	ug/L	97
9) Trichlorofluoromethane	1.88	101	251801	46.758	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	162731	47.138	ug/L	98
12) 1,1-Dichloroethene	2.28	96	153813	46.701	ug/L	95
13) Acetone	2.32	43	212655	69.841	ug/L	98
14) Carbon disulfide	2.48	76	424337	41.568	ug/L	100
15) Methyl Acetate	2.61	43	199251	50.650	ug/L	98
16) Methylene chloride	2.70	84	184086	47.334	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	165136	46.040	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	515955	48.502	ug/L	100
19) 1,1-Dichloroethane	3.44	63	300740	48.835	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	197911	48.469	ug/L	98
22) 2-Butanone	4.26	43	297712	85.885	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	100970	47.737	ug/L	98
25) Chloroform	4.67	83	322244	49.856	ug/L	98
27) 1,2-Dichloroethane	5.40	62	227186	48.889	ug/L	99
29) Cyclohexane	4.99	56	251293	44.378	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	268016	47.819	ug/L	100
31) Carbon tetrachloride	5.13	117	229728	46.417	ug/L	99
33) Benzene	5.39	78	697300	47.463	ug/L	100
34) Trichloroethene	6.18	95	177801	46.177	ug/L	99
35) Methylcyclohexane	6.41	83	274487	43.961	ug/L	99
37) 1,2-Dichloropropane	6.43	63	185837	48.089	ug/L	100
38) Bromodichloromethane	6.75	83	239890	49.920	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	290323	48.277	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	512149	98.153	ug/L	99
42) Toluene	7.63	91	765591	47.930	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	271861	49.511	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	190697	49.344	ug/L	99
46) Tetrachloroethene	8.22	164	153168	45.455	ug/L	98
48) 2-Hexanone	8.36	43	411817	92.514	ug/L	98
49) Dibromochloromethane	8.47	129	214713	49.726	ug/L	98
50) 1,2-Dibromoethane	8.58	107	205908	48.337	ug/L	97
51) Chlorobenzene	9.12	112	509638	47.325	ug/L	100
52) Ethylbenzene	9.25	91	832396	47.337	ug/L	100
53) m,p-Xylene	9.37	106	325233	47.805	ug/L	99
54) o-xylene	9.77	106	318991	47.736	ug/L	98
55) Styrene	9.79	104	557358	48.984	ug/L	98
56) Isopropylbenzene	10.16	105	834191	47.683	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	335385	50.562	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	249942	49.663	ug/L	100
61) Bromoform	9.95	173	170692	51.178	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	402789	46.548	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	415459	47.217	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	416382	47.804	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	70076	49.509	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	312069	46.464	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	275377	44.823	ug/L	100
69) Naphthalene	13.74	128	899616	45.069	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	294131	46.085	ug/L	99

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

