

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031619\
 Data File : VU030112.D
 Acq On : 15 Mar 2019 15:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Mar 16 00:07:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	586769	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	575790	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	299461	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167527	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.32%
7) Chloroethane-d5	1.67	69	137374	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.70%
11) 1,1-Dichloroethene-d2	2.27	63	312292	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
21) 2-Butanone-d5	4.17	46	260420	89.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.56%
24) Chloroform-d	4.65	84	312036	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.64%
26) 1,2-Dichloroethane-d4	5.31	65	175807	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
32) Benzene-d6	5.34	84	645769	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.14%
36) 1,2-Dichloropropane-d6	6.33	67	200492	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.40%
41) Toluene-d8	7.56	98	603987	43.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.04%
43) trans-1,3-Dichloropropene-	7.85	79	97457	44.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.70%
47) 2-Hexanone-d5	8.31	63	223636	88.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	314691	45.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	250796	43.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	185197	49.951	ug/L 98
3) Chloromethane	1.33	50	186277	45.541	ug/L 100
5) Vinyl chloride	1.40	62	215231	48.002	ug/L 100
6) Bromomethane	1.62	94	101906	36.688	ug/L 98
8) Chloroethane	1.69	64	133501	45.427	ug/L 96
9) Trichlorofluoromethane	1.88	101	304417	50.624	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	202039	52.411	ug/L 99
12) 1,1-Dichloroethene	2.28	96	178247	48.466	ug/L 88
13) Acetone	2.32	43	241421	71.007	ug/L 100
14) Carbon disulfide	2.48	76	508495	44.609	ug/L 99
15) Methyl Acetate	2.61	43	212050	48.274	ug/L 99
16) Methylene chloride	2.70	84	209443	48.229	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	193740	48.373	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	591714	49.814	ug/L 100
19) 1,1-Dichloroethane	3.44	63	348285	50.648	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	220945	48.458	ug/L 96
22) 2-Butanone	4.26	43	328135	84.774	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031619\
 Data File : VU030112.D
 Acq On : 15 Mar 2019 15:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Mar 16 00:07:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	116046	49.133	ug/L	99
25) Chloroform	4.67	83	363441	50.356	ug/L	99
27) 1,2-Dichloroethane	5.40	62	257231	49.573	ug/L	99
29) Cyclohexane	4.99	56	312430	49.197	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	311141	49.499	ug/L	100
31) Carbon tetrachloride	5.13	117	272244	49.048	ug/L	99
33) Benzene	5.39	78	798874	48.486	ug/L	100
34) Trichloroethene	6.18	95	212350	49.175	ug/L	99
35) Methylcyclohexane	6.41	83	350745	50.088	ug/L	99
37) 1,2-Dichloropropane	6.43	63	220345	50.842	ug/L	99
38) Bromodichloromethane	6.75	83	271217	50.325	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	338006	50.116	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	567856	97.039	ug/L	100
42) Toluene	7.63	91	885610	49.437	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	307626	49.955	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	216639	49.983	ug/L	98
46) Tetrachloroethene	8.22	164	189357	50.107	ug/L	98
48) 2-Hexanone	8.36	43	462080	92.559	ug/L	99
49) Dibromochloromethane	8.47	129	247582	51.127	ug/L	96
50) 1,2-Dibromoethane	8.58	107	233183	48.809	ug/L	97
51) Chlorobenzene	9.12	112	593674	49.156	ug/L	99
52) Ethylbenzene	9.25	91	975137	49.447	ug/L	99
53) m,p-Xylene	9.37	106	374149	49.037	ug/L	96
54) o-xylene	9.77	106	375770	50.140	ug/L	98
55) Styrene	9.79	104	640366	50.182	ug/L	98
56) Isopropylbenzene	10.16	105	975469	49.718	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	372947	50.134	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	276629	49.010	ug/L	98
61) Bromoform	9.95	173	191583	51.397	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	475492	49.167	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	484386	49.258	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	482167	49.532	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	77515	49.001	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	368793	49.131	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	326493	47.551	ug/L	100
69) Naphthalene	13.74	128	1045310	46.857	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	341694	47.904	ug/L	99

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

