

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031919\
 Data File : VU030214.D
 Acq On : 19 Mar 2019 23:37
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Mar 20 03:05:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 02:58:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	561851	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	542662	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	279184	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	179502	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.50%
7) Chloroethane-d5	1.68	69	147148	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.88%
11) 1,1-Dichloroethene-d2	2.27	63	332376	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
21) 2-Butanone-d5	4.17	46	297213	105.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.45%
24) Chloroform-d	4.65	84	338776	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
26) 1,2-Dichloroethane-d4	5.31	65	197212	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
32) Benzene-d6	5.34	84	714976	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.33	67	223173	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.88%
41) Toluene-d8	7.56	98	673056	50.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.12%
43) trans-1,3-Dichloropropene-	7.85	79	105023	48.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.48%
47) 2-Hexanone-d5	8.31	63	247872	108.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.03%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	339950	50.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	276294	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	224511	47.196	ug/L 99
3) Chloromethane	1.33	50	228485	49.622	ug/L 100
5) Vinyl chloride	1.40	62	241836	49.477	ug/L 99
6) Bromomethane	1.62	94	134753	50.943	ug/L 98
8) Chloroethane	1.70	64	140406	48.585	ug/L 98
9) Trichlorofluoromethane	1.88	101	300432	48.399	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	176154	46.670	ug/L 98
12) 1,1-Dichloroethene	2.28	96	184307	49.169	ug/L 99
13) Acetone	2.32	43	196295	66.651	ug/L 99
14) Carbon disulfide	2.48	76	520163	46.461	ug/L 99
15) Methyl Acetate	2.61	43	215910	50.413	ug/L 99
16) Methylene chloride	2.70	84	210520	49.519	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	192334	48.688	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	581505	51.174	ug/L 99
19) 1,1-Dichloroethane	3.44	63	337886	49.729	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	216915	50.118	ug/L 97
22) 2-Butanone	4.26	43	319327	92.254	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	113508	49.001	ug/L	97
25) Chloroform	4.67	83	351747	49.691	ug/L	100
27) 1,2-Dichloroethane	5.40	62	252169	50.260	ug/L	99
29) Cyclohexane	4.99	56	301398	51.117	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	294152	50.297	ug/L	98
31) Carbon tetrachloride	5.13	117	254227	49.103	ug/L	99
33) Benzene	5.39	78	805812	51.468	ug/L	100
34) Trichloroethene	6.18	95	204057	49.449	ug/L	98
35) Methylcyclohexane	6.41	83	311637	48.160	ug/L	98
37) 1,2-Dichloropropane	6.43	63	204627	51.032	ug/L	100
38) Bromodichloromethane	6.75	83	258473	50.136	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	313803	48.778	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	566541	102.805	ug/L	99
42) Toluene	7.63	91	879388	51.604	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	275138	49.425	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	206083	50.069	ug/L	99
46) Tetrachloroethene	8.22	164	173208	49.678	ug/L	99
48) 2-Hexanone	8.36	43	447651	97.871	ug/L	99
49) Dibromochloromethane	8.47	129	230164	49.867	ug/L	99
50) 1,2-Dibromoethane	8.58	107	228155	49.998	ug/L #	99
51) Chlorobenzene	9.12	112	562577	49.899	ug/L	99
52) Ethylbenzene	9.25	91	936939	50.627	ug/L	100
53) m,p-Xylene	9.37	106	365557	51.270	ug/L	100
54) o-xylene	9.77	106	362415	51.707	ug/L	99
55) Styrene	9.79	104	618657	52.095	ug/L	99
56) Isopropylbenzene	10.16	105	924390	51.012	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	350631	49.958	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	265606	49.011	ug/L	99
61) Bromoform	9.95	173	179278	49.726	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	438634	49.244	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	449682	48.671	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	449169	49.357	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	75070	49.339	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	339357	48.749	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	304452	49.456	ug/L	99
69) Naphthalene	13.74	128	945917	48.432	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	316319	49.245	ug/L	98

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

