

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032219\
 Data File : VU030295.D
 Acq On : 22 Mar 2019 10:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Mar 23 02:31:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 05:14:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	528453	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	511426	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	261370	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	163986	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.78%
7) Chloroethane-d5	1.68	69	138497	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.94%
11) 1,1-Dichloroethene-d2	2.27	63	311814	47.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.66%
21) 2-Butanone-d5	4.17	46	275619	103.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.97%
24) Chloroform-d	4.64	84	324218	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	5.31	65	186851	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
32) Benzene-d6	5.34	84	675305	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
36) 1,2-Dichloropropane-d6	6.33	67	210217	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.82%
41) Toluene-d8	7.56	98	623997	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%
43) trans-1,3-Dichloropropene-	7.85	79	102095	50.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.56%
47) 2-Hexanone-d5	8.31	63	223481	103.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	329444	51.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	259647	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	225213	50.336	ug/L	100
3) Chloromethane	1.33	50	218865	50.537	ug/L	99
5) Vinyl chloride	1.40	62	233392	50.767	ug/L	99
6) Bromomethane	1.62	94	133766	53.766	ug/L	98
8) Chloroethane	1.70	64	138171	50.833	ug/L	99
9) Trichlorofluoromethane	1.88	101	297647	50.981	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	182831	51.500	ug/L	99
12) 1,1-Dichloroethene	2.28	96	178475	50.622	ug/L	97
13) Acetone	2.32	43	288525	104.159	ug/L	99
14) Carbon disulfide	2.48	76	505344	47.990	ug/L	99
15) Methyl Acetate	2.61	43	202074	50.165	ug/L	98
16) Methylene chloride	2.70	84	199048	49.780	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	186390	50.166	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	549496	51.413	ug/L	99
19) 1,1-Dichloroethane	3.44	63	330489	51.714	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	206377	50.697	ug/L	98
22) 2-Butanone	4.26	43	346441	106.413	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	111075	50.981	ug/L	99
25) Chloroform	4.67	83	342528	51.447	ug/L	97
27) 1,2-Dichloroethane	5.40	62	243832	51.670	ug/L	99
29) Cyclohexane	4.99	56	295515	53.180	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	286637	52.005	ug/L	99
31) Carbon tetrachloride	5.13	117	249604	51.154	ug/L	100
33) Benzene	5.39	78	774409	52.483	ug/L	100
34) Trichloroethene	6.18	95	198547	51.052	ug/L	98
35) Methylcyclohexane	6.41	83	324409	53.195	ug/L	100
37) 1,2-Dichloropropane	6.43	63	201306	53.270	ug/L	99
38) Bromodichloromethane	6.75	83	254227	52.324	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	320901	52.928	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	532857	102.599	ug/L	99
42) Toluene	7.63	91	853833	53.164	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	278042	52.997	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	203512	52.464	ug/L	99
46) Tetrachloroethene	8.22	164	172531	52.506	ug/L	99
48) 2-Hexanone	8.36	43	445107	103.258	ug/L	99
49) Dibromochloromethane	8.47	129	224135	51.527	ug/L	100
50) 1,2-Dibromoethane	8.58	107	222098	51.643	ug/L	100
51) Chlorobenzene	9.12	112	550105	51.773	ug/L	100
52) Ethylbenzene	9.25	91	921021	52.807	ug/L	100
53) m,p-Xylene	9.37	106	358616	53.368	ug/L	99
54) o-xylene	9.78	106	352992	53.439	ug/L	100
55) Styrene	9.79	104	608029	54.328	ug/L	98
56) Isopropylbenzene	10.16	105	913438	53.486	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	338592	51.189	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	256950	50.309	ug/L	100
61) Bromoform	9.95	173	177775	52.670	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	437212	52.430	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	449408	51.956	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	444777	52.205	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	72506	50.902	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	343039	52.636	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	292565	50.764	ug/L	100
69) Naphthalene	13.74	128	864157	47.261	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	303425	50.457	ug/L	99

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

