

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082319\
 Data File : VU033944.D
 Acq On : 23 Aug 2019 15:59
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Aug 26 06:58:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 26 06:54:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	545972	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	565654	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	290303	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	233004	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.67	69	191180	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.68%
11) 1,1-Dichloroethene-d2	2.26	63	426892	49.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.86%
21) 2-Butanone-d5	4.14	46	352135	109.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.29%
24) Chloroform-d	4.62	84	403642	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
26) 1,2-Dichloroethane-d4	5.28	65	266502	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.82%
32) Benzene-d6	5.32	84	809632	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.31	67	261772	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.42%
41) Toluene-d8	7.54	98	734203	50.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.12%
43) trans-1,3-Dichloropropene-	7.83	79	121646	50.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.10%
47) 2-Hexanone-d5	8.29	63	226116	104.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.28%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	377769	50.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.76%
64) 1,2-Dichlorobenzene-d4	11.84	152	282090	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	258524	51.149	ug/L 100
3) Chloromethane	1.32	50	262232	53.995	ug/L 100
5) Vinyl chloride	1.39	62	292090	51.202	ug/L 100
6) Bromomethane	1.61	94	116515	52.716	ug/L 96
8) Chloroethane	1.68	64	178772	52.239	ug/L 99
9) Trichlorofluoromethane	1.87	101	342862	51.250	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	203392	53.172	ug/L 99
12) 1,1-Dichloroethene	2.27	96	187638	50.957	ug/L 94
13) Acetone	2.30	43	323288	109.859	ug/L 100
14) Carbon disulfide	2.46	76	589790	49.802	ug/L 100
15) Methyl Acetate	2.59	43	278003	54.247	ug/L 98
16) Methylene chloride	2.68	84	227756	51.337	ug/L 100
17) trans-1,2-Dichloroethene	2.96	96	199511	50.445	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	626273	52.313	ug/L 100
19) 1,1-Dichloroethane	3.42	63	411905	52.260	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	224080	51.472	ug/L 99
22) 2-Butanone	4.23	43	410835	111.120	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	114450	51.119	ug/L	95
25) Chloroform	4.64	83	406686	52.098	ug/L	98
27) 1,2-Dichloroethane	5.38	62	320578	52.336	ug/L	100
29) Cyclohexane	4.97	56	340494	52.171	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	330450	50.726	ug/L	100
31) Carbon tetrachloride	5.11	117	287838	49.780	ug/L	100
33) Benzene	5.36	78	875716	51.199	ug/L	100
34) Trichloroethene	6.16	95	215740	48.612	ug/L	99
35) Methylcyclohexane	6.39	83	346648	51.810	ug/L	98
37) 1,2-Dichloropropane	6.41	63	241391	51.586	ug/L	100
38) Bromodichloromethane	6.74	83	301437	49.852	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	360140	51.781	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	708117	105.658	ug/L	99
42) Toluene	7.62	91	912168	51.537	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	322679	51.484	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	215747	50.251	ug/L	99
46) Tetrachloroethene	8.21	164	167853	48.667	ug/L	98
48) 2-Hexanone	8.34	43	570334	109.593	ug/L	98
49) Dibromochloromethane	8.46	129	233554	49.038	ug/L	99
50) 1,2-Dibromoethane	8.57	107	228620	49.934	ug/L	98
51) Chlorobenzene	9.10	112	576550	49.254	ug/L	98
52) Ethylbenzene	9.23	91	987347	51.646	ug/L	99
53) m,p-Xylene	9.36	106	371391	52.718	ug/L	98
54) o-xylene	9.76	106	359214	51.728	ug/L	99
55) Styrene	9.77	104	637760	53.937	ug/L	98
56) Isopropylbenzene	10.15	105	947637	52.515	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	380155	51.087	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	303636	50.773	ug/L	100
61) Bromoform	9.94	173	171977	46.962	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	453192	49.697	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	456481	48.310	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	448335	49.280	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	83481	50.033	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	344371	49.130	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	277108	48.215	ug/L	100
69) Naphthalene	13.73	128	841935	49.064	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	300592	49.490	ug/L	99

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

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