

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081619\
 Data File : VU033815.D
 Acq On : 15 Aug 2019 17:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Aug 16 02:30:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 02:25:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	427648	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	417675	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	224535	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	186937	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.18%
7) Chloroethane-d5	1.67	69	150957	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.90%
11) 1,1-Dichloroethene-d2	2.26	63	310548	48.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.60%
21) 2-Butanone-d5	4.15	46	213225	105.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.67%
24) Chloroform-d	4.62	84	303841	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
26) 1,2-Dichloroethane-d4	5.29	65	189532	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
32) Benzene-d6	5.31	84	607580	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
36) 1,2-Dichloropropane-d6	6.31	67	193866	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.22%
41) Toluene-d8	7.55	98	576084	53.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.54%
43) trans-1,3-Dichloropropene-	7.83	79	95376	53.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.84%
47) 2-Hexanone-d5	8.29	63	156416	111.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	272018	51.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.76%
64) 1,2-Dichlorobenzene-d4	11.84	152	232693	52.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	199478	47.576	ug/L	99
3) Chloromethane	1.32	50	202858	47.042	ug/L	99
5) Vinyl chloride	1.39	62	222520	46.327	ug/L	99
6) Bromomethane	1.61	94	144419	39.768	ug/L	98
8) Chloroethane	1.69	64	137153	41.219	ug/L	94
9) Trichlorofluoromethane	1.87	101	290041	45.533	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	144440	47.368	ug/L	99
12) 1,1-Dichloroethene	2.27	96	139156	47.083	ug/L	98
13) Acetone	2.30	43	165473	83.443	ug/L	99
14) Carbon disulfide	2.46	76	444339	47.676	ug/L	100
15) Methyl Acetate	2.59	43	153683	46.994	ug/L	99
16) Methylene chloride	2.68	84	162034	47.311	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	147772	47.962	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	452744	50.353	ug/L	100
19) 1,1-Dichloroethane	3.42	63	277475	46.801	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	164303	49.297	ug/L	98
22) 2-Butanone	4.23	43	220089	96.439	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	87147	47.957	ug/L	97
25) Chloroform	4.65	83	286603	46.515	ug/L	98
27) 1,2-Dichloroethane	5.38	62	222222	47.571	ug/L	99
29) Cyclohexane	4.97	56	235992	52.736	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	244602	48.645	ug/L	99
31) Carbon tetrachloride	5.11	117	219357	47.940	ug/L	100
33) Benzene	5.36	78	632893	50.162	ug/L	100
34) Trichloroethene	6.16	95	163518	48.561	ug/L	99
35) Methylcyclohexane	6.40	83	252069	51.120	ug/L	99
37) 1,2-Dichloropropane	6.41	63	168921	48.892	ug/L	99
38) Bromodichloromethane	6.74	83	217076	48.527	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	262972	52.224	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	410884	101.308	ug/L	99
42) Toluene	7.62	91	685826	51.419	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	237051	51.225	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	155497	47.951	ug/L	98
46) Tetrachloroethene	8.21	164	132962	49.253	ug/L	99
48) 2-Hexanone	8.34	43	326795	102.758	ug/L	99
49) Dibromochloromethane	8.46	129	181391	49.537	ug/L	100
50) 1,2-Dibromoethane	8.57	107	173248	50.176	ug/L	99
51) Chlorobenzene	9.10	112	435985	49.489	ug/L	99
52) Ethylbenzene	9.23	91	731699	51.777	ug/L	100
53) m,p-Xylene	9.36	106	282940	53.488	ug/L	100
54) o-xylene	9.76	106	275253	53.701	ug/L	99
55) Styrene	9.77	104	477409	54.360	ug/L	99
56) Isopropylbenzene	10.15	105	719506	53.687	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	262188	49.953	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	210277	50.247	ug/L	100
61) Bromoform	9.94	173	137254	49.082	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	359802	51.065	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	366720	50.275	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	360068	50.979	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	59196	50.406	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	275374	50.667	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	245756	55.222	ug/L	98
69) Naphthalene	13.73	128	717817	58.439	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	248882	53.883	ug/L	98

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

