

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
 Data File : VU035318.D
 Acq On : 19 Oct 2019 15:47
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Oct 21 05:49:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 05:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	748481	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	719310	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	333848	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	311319	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.70%
7) Chloroethane-d5	1.93	69	265205	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.60	63	516518	48.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.22%
21) 2-Butanone-d5	4.69	46	440836	103.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.29%
24) Chloroform-d	5.11	84	522347	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.75	65	338011	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
32) Benzene-d6	5.77	84	1050030	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.74	67	335930	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.36%
41) Toluene-d8	7.93	98	997649	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%
43) trans-1,3-Dichloropropene-	8.21	79	175085	50.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.98%
47) 2-Hexanone-d5	8.68	63	318853	108.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	487540	49.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.96%
64) 1,2-Dichlorobenzene-d4	12.22	152	364329	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	290357	47.681	ug/L 99
3) Chloromethane	1.54	50	311441	49.352	ug/L 98
5) Vinyl chloride	1.62	62	313230	48.789	ug/L 99
6) Bromomethane	1.87	94	184227	47.891	ug/L 97
8) Chloroethane	1.95	64	195338	49.464	ug/L 100
9) Trichlorofluoromethane	2.16	101	402414	49.614	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	223046	47.179	ug/L 98
12) 1,1-Dichloroethene	2.61	96	227553	49.587	ug/L 95
13) Acetone	2.67	43	272552	71.626	ug/L 99
14) Carbon disulfide	2.83	76	676335	46.789	ug/L 100
15) Methyl Acetate	2.99	43	284750	50.627	ug/L 100
16) Methylene chloride	3.09	84	268723	49.385	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	244789	49.790	ug/L 99
18) Methyl tert-butyl Ether	3.42	73	795318	50.865	ug/L 100
19) 1,1-Dichloroethane	3.92	63	464773	49.641	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	281366	50.429	ug/L 94
22) 2-Butanone	4.77	43	416842	90.537	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	140561	50.229	ug/L	96
25) Chloroform	5.14	83	473545	49.004	ug/L	99
27) 1,2-Dichloroethane	5.84	62	371949	49.678	ug/L	98
29) Cyclohexane	5.43	56	388894	48.351	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	399926	50.794	ug/L	99
31) Carbon tetrachloride	5.57	117	349762	50.778	ug/L	98
33) Benzene	5.82	78	1031890	50.740	ug/L	100
34) Trichloroethene	6.58	95	261101	49.827	ug/L	99
35) Methylcyclohexane	6.80	83	374505	46.224	ug/L	99
37) 1,2-Dichloropropane	6.84	63	266421	50.589	ug/L	100
38) Bromodichloromethane	7.15	83	359571	51.036	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	445791	52.382	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	792900	101.907	ug/L	99
42) Toluene	8.01	91	1117055	50.179	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	398967	50.170	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	258702	49.836	ug/L	97
46) Tetrachloroethene	8.58	164	207289	48.967	ug/L	98
48) 2-Hexanone	8.73	43	613357	92.676	ug/L	98
49) Dibromochloromethane	8.84	129	290827	50.202	ug/L	100
50) 1,2-Dibromoethane	8.96	107	285386	49.694	ug/L	98
51) Chlorobenzene	9.48	112	707438	48.725	ug/L	98
52) Ethylbenzene	9.60	91	1230690	49.600	ug/L	99
53) m,p-Xylene	9.73	106	464669	50.804	ug/L	99
54) o-xylene	10.13	106	451787	49.799	ug/L	98
55) Styrene	10.14	104	766349	51.870	ug/L	99
56) Isopropylbenzene	10.51	105	1161575	49.454	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	444878	49.025	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	350821	48.919	ug/L	100
61) Bromoform	10.32	173	226632	47.439	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	515163	47.490	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	512607	47.189	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	512707	47.348	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	85344	49.863	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	295743	48.720	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	204760	51.178	ug/L	98
69) Naphthalene	14.11	128	564494	51.256	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	214437	51.810	ug/L	100

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

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