

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
 Data File : VU033303.D
 Acq On : 18 Jul 2019 08:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Jul 19 01:42:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:46:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	280537	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	289241	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	145499	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	96113	45.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.52%
7) Chloroethane-d5	1.67	69	88265	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.30%
11) 1,1-Dichloroethene-d2	2.26	63	205316	53.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.60%
21) 2-Butanone-d5	4.15	46	141214	104.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.95%
24) Chloroform-d	4.62	84	179952	50.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.12%
26) 1,2-Dichloroethane-d4	5.28	65	114752	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
32) Benzene-d6	5.32	84	346442	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.64%
36) 1,2-Dichloropropane-d6	6.31	67	113059	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	7.55	98	330993	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%
43) trans-1,3-Dichloropropene-	7.83	79	54179	48.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.22%
47) 2-Hexanone-d5	8.29	63	104455	101.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.94%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	180494	52.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.94%
64) 1,2-Dichlorobenzene-d4	11.85	152	128717	49.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	147748	53.145	ug/L 100
3) Chloromethane	1.32	50	145694	53.195	ug/L 99
5) Vinyl chloride	1.40	62	160953	50.843	ug/L 98
6) Bromomethane	1.61	94	105830	53.624	ug/L 99
8) Chloroethane	1.69	64	100777	52.631	ug/L 96
9) Trichlorofluoromethane	1.87	101	219038	52.618	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	113762	59.441	ug/L 99
12) 1,1-Dichloroethene	2.27	96	104081	55.584	ug/L 99
13) Acetone	2.31	43	212306	126.281	ug/L 100
14) Carbon disulfide	2.46	76	294684	51.457	ug/L 99
15) Methyl Acetate	2.60	43	118557	54.001	ug/L 99
16) Methylene chloride	2.68	84	113654	53.161	ug/L 96
17) trans-1,2-Dichloroethene	2.96	96	99942	51.642	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	301673	50.502	ug/L 99
19) 1,1-Dichloroethane	3.42	63	197349	53.051	ug/L 100
20) cis-1,2-Dichloroethene	4.20	96	112963	51.749	ug/L 98
22) 2-Butanone	4.23	43	216283	115.804	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	61055	54.622	ug/L	97
25) Chloroform	4.65	83	213327	53.919	ug/L	100
27) 1,2-Dichloroethane	5.38	62	164583	53.721	ug/L	100
29) Cyclohexane	4.97	56	161723	51.312	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	178368	52.858	ug/L	99
31) Carbon tetrachloride	5.11	117	159293	53.942	ug/L	99
33) Benzene	5.37	78	443919	52.628	ug/L	100
34) Trichloroethene	6.17	95	111871	50.712	ug/L	97
35) Methylcyclohexane	6.40	83	176402	52.201	ug/L	98
37) 1,2-Dichloropropane	6.41	63	120303	52.590	ug/L	100
38) Bromodichloromethane	6.74	83	156320	52.976	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	181609	51.779	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	327822	106.827	ug/L	99
42) Toluene	7.62	91	496603	54.608	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	168264	53.196	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	114554	52.949	ug/L	98
46) Tetrachloroethene	8.21	164	91715	53.706	ug/L	99
48) 2-Hexanone	8.35	43	292808	117.122	ug/L	99
49) Dibromochloromethane	8.46	129	130135	53.922	ug/L	100
50) 1,2-Dibromoethane	8.57	107	124886	52.942	ug/L	94
51) Chlorobenzene	9.10	112	307824	51.860	ug/L	99
52) Ethylbenzene	9.23	91	518702	53.304	ug/L	99
53) m,p-Xylene	9.36	106	199880	54.229	ug/L	99
54) o-xylene	9.76	106	197120	53.860	ug/L	99
55) Styrene	9.77	104	345416	55.668	ug/L	96
56) Isopropylbenzene	10.15	105	506761	53.809	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	203060	53.433	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	159717	53.632	ug/L	99
61) Bromoform	9.94	173	95357	53.663	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	225158	50.272	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	239484	51.140	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	241392	52.552	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	44417	50.664	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	174616	53.947	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	142788	50.504	ug/L	99
69) Naphthalene	13.73	128	470299	51.880	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	156412	50.958	ug/L	99

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

