

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072619\
 Data File : VU033440.D
 Acq On : 26 Jul 2019 09:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Jul 27 01:56:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 08:22:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	276881	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	288494	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	145470	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	100276	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.68%
7) Chloroethane-d5	1.67	69	95049	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.16%
11) 1,1-Dichloroethene-d2	2.26	63	205062	53.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.88%
21) 2-Butanone-d5	4.15	46	153724	115.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.75%
24) Chloroform-d	4.62	84	193610	55.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.24%
26) 1,2-Dichloroethane-d4	5.28	65	123477	54.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.62%
32) Benzene-d6	5.32	84	371822	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
36) 1,2-Dichloropropane-d6	6.31	67	120622	53.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.42%
41) Toluene-d8	7.55	98	348624	52.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.48%
43) trans-1,3-Dichloropropene-	7.83	79	57612	51.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.64%
47) 2-Hexanone-d5	8.29	63	108775	106.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.43%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	191300	55.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	140398	54.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	144217	52.560	ug/L 99
3) Chloromethane	1.32	50	136199	50.385	ug/L 99
5) Vinyl chloride	1.40	62	158992	50.886	ug/L 99
6) Bromomethane	1.61	94	103620	53.198	ug/L 99
8) Chloroethane	1.69	64	99438	52.617	ug/L 97
9) Trichlorofluoromethane	1.87	101	221329	53.871	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	106868	56.576	ug/L 99
12) 1,1-Dichloroethene	2.27	96	100187	54.211	ug/L 97
13) Acetone	2.31	43	175602	105.828	ug/L 99
14) Carbon disulfide	2.46	76	279822	49.507	ug/L 99
15) Methyl Acetate	2.60	43	113724	52.483	ug/L 98
16) Methylene chloride	2.68	84	114766	54.390	ug/L 94
17) trans-1,2-Dichloroethene	2.96	96	99169	51.920	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	309751	52.539	ug/L 99
19) 1,1-Dichloroethane	3.42	63	198279	54.004	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	114689	53.234	ug/L 99
22) 2-Butanone	4.23	43	195567	106.095	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	61341	55.602	ug/L	98
25) Chloroform	4.65	83	210338	53.866	ug/L	99
27) 1,2-Dichloroethane	5.38	62	164702	54.470	ug/L	99
29) Cyclohexane	4.97	56	157166	49.996	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	174093	51.725	ug/L	100
31) Carbon tetrachloride	5.11	117	154717	52.528	ug/L	100
33) Benzene	5.37	78	444422	52.824	ug/L	100
34) Trichloroethene	6.16	95	114771	52.162	ug/L	97
35) Methylcyclohexane	6.40	83	176142	52.259	ug/L	99
37) 1,2-Dichloropropane	6.41	63	118610	51.984	ug/L	100
38) Bromodichloromethane	6.74	83	154447	52.476	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	182231	52.091	ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	320366	104.667	ug/L	99
42) Toluene	7.62	91	491194	54.153	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	163375	51.784	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	115985	53.749	ug/L	99
46) Tetrachloroethene	8.21	164	92058	54.046	ug/L	99
48) 2-Hexanone	8.34	43	271364	108.825	ug/L	99
49) Dibromochloromethane	8.46	129	127646	53.028	ug/L	99
50) 1,2-Dibromoethane	8.57	107	124110	52.750	ug/L	97
51) Chlorobenzene	9.10	112	314596	53.138	ug/L	98
52) Ethylbenzene	9.23	91	528434	54.445	ug/L	98
53) m,p-Xylene	9.36	106	207230	56.369	ug/L	100
54) o-xylene	9.76	106	197325	54.056	ug/L	98
55) Styrene	9.77	104	348596	56.326	ug/L	97
56) Isopropylbenzene	10.15	105	514319	54.753	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	203545	53.700	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	157442	53.005	ug/L	99
61) Bromoform	9.94	173	93139	52.425	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	235900	52.680	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	246433	52.634	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	251136	54.684	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	44439	50.699	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	182718	56.461	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	158334	56.014	ug/L	99
69) Naphthalene	13.73	128	511485	56.434	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	170046	55.411	ug/L	98

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

