

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062819\
 Data File : VU033066.D
 Acq On : 27 Jun 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Jun 28 02:46:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 02:43:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188940	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187567	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101969	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46867	36.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.60%
7) Chloroethane-d5	1.67	69	44027	42.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.50%
11) 1,1-Dichloroethene-d2	2.27	63	111473	42.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.70%
21) 2-Butanone-d5	4.17	46	125538	116.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.81%
24) Chloroform-d	4.64	84	125527	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
26) 1,2-Dichloroethane-d4	5.30	65	84881	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
32) Benzene-d6	5.33	84	223558	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.32	67	74880	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.14%
41) Toluene-d8	7.56	98	212123	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%
43) trans-1,3-Dichloropropene-	7.84	79	38847	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
47) 2-Hexanone-d5	8.31	63	76226	104.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.81%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	123030	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	93503	47.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	95771	50.181	ug/L 100
3) Chloromethane	1.32	50	82201	47.521	ug/L 99
5) Vinyl chloride	1.40	62	82494	48.081	ug/L 98
6) Bromomethane	1.62	94	47448	46.997	ug/L 97
8) Chloroethane	1.69	64	49802	50.425	ug/L 100
9) Trichlorofluoromethane	1.88	101	124138	51.572	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	64806	51.329	ug/L 98
12) 1,1-Dichloroethene	2.28	96	57191	48.067	ug/L 91
13) Acetone	2.32	43	125672	84.659	ug/L 99
14) Carbon disulfide	2.47	76	172010	45.688	ug/L 100
15) Methyl Acetate	2.61	43	93757	55.718	ug/L 97
16) Methylene chloride	2.69	84	71212	51.006	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	63187	48.972	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	213209	51.468	ug/L 98
19) 1,1-Dichloroethane	3.44	63	129672	52.716	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	72821	51.808	ug/L 98
22) 2-Butanone	4.25	43	153878	100.013	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38016	51.845	ug/L	98
25) Chloroform	4.67	83	134835	53.154	ug/L	98
27) 1,2-Dichloroethane	5.40	62	114178	54.791	ug/L	98
29) Cyclohexane	4.99	56	109360	49.933	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	119325	52.217	ug/L	99
31) Carbon tetrachloride	5.13	117	105979	50.970	ug/L	100
33) Benzene	5.38	78	275747	51.033	ug/L	100
34) Trichloroethene	6.18	95	73855	51.157	ug/L	98
35) Methylcyclohexane	6.41	83	113415	50.823	ug/L	98
37) 1,2-Dichloropropane	6.42	63	77090	52.011	ug/L	99
38) Bromodichloromethane	6.75	83	103865	52.115	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	121035	52.415	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	259663	109.732	ug/L	98
42) Toluene	7.63	91	300587	51.416	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	113285	52.231	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	71467	51.804	ug/L	98
46) Tetrachloroethene	8.22	164	59808	50.557	ug/L	99
48) 2-Hexanone	8.36	43	211212	101.163	ug/L	100
49) Dibromochloromethane	8.47	129	84333	50.708	ug/L	97
50) 1,2-Dibromoethane	8.58	107	78635	51.326	ug/L	100
51) Chlorobenzene	9.11	112	196567	51.095	ug/L	97
52) Ethylbenzene	9.24	91	336827	52.051	ug/L	99
53) m,p-Xylene	9.37	106	126619	51.861	ug/L	98
54) o-xylene	9.77	106	122227	51.263	ug/L	99
55) Styrene	9.78	104	213388	51.589	ug/L	93
56) Isopropylbenzene	10.16	105	330746	51.473	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	128018	51.283	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	103384	52.267	ug/L	99
61) Bromoform	9.95	173	65109	48.900	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	157478	49.685	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	160907	49.151	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	159530	49.295	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	31225	50.574	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	124974	49.073	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	105269	48.038	ug/L	99
69) Naphthalene	13.74	128	296176	43.958	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	111337	47.994	ug/L	98

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

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