

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032977.D
 Acq On : 22 Jun 2019 04:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Jun 24 01:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 24 01:08:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	197196	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	100418	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60257	44.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.42%
7) Chloroethane-d5	1.67	69	50107	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.24%
11) 1,1-Dichloroethene-d2	2.27	63	132007	48.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.24%
21) 2-Butanone-d5	4.17	46	125503	111.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.89%
24) Chloroform-d	4.64	84	135503	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.44%
26) 1,2-Dichloroethane-d4	5.30	65	92577	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.10%
32) Benzene-d6	5.33	84	253736	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
36) 1,2-Dichloropropane-d6	6.32	67	81426	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.08%
41) Toluene-d8	7.56	98	240880	50.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.72%
43) trans-1,3-Dichloropropene-	7.84	79	40184	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
47) 2-Hexanone-d5	8.31	63	80426	106.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.90%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	125115	50.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	98930	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	98078	49.238	ug/L	100
3) Chloromethane	1.32	50	84251	46.667	ug/L	98
5) Vinyl chloride	1.40	62	88480	49.411	ug/L	99
6) Bromomethane	1.62	94	38191	36.244	ug/L	100
8) Chloroethane	1.69	64	51708	50.163	ug/L	99
9) Trichlorofluoromethane	1.88	101	124061	49.382	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	62968	47.785	ug/L	97
12) 1,1-Dichloroethene	2.28	96	59081	47.577	ug/L	95
13) Acetone	2.31	43	93630	60.433	ug/L	96
14) Carbon disulfide	2.47	76	183692	46.748	ug/L	100
15) Methyl Acetate	2.61	43	95005	54.096	ug/L	98
16) Methylene chloride	2.69	84	73309	50.310	ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	66046	49.045	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	223855	51.776	ug/L	99
19) 1,1-Dichloroethane	3.44	63	134269	52.300	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	74895	51.053	ug/L	95
22) 2-Butanone	4.25	43	139074	86.606	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39714	51.893	ug/L	97
25) Chloroform	4.67	83	138128	52.173	ug/L	98
27) 1,2-Dichloroethane	5.40	62	120404	55.359	ug/L	97
29) Cyclohexane	4.99	56	112495	49.656	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	121281	51.307	ug/L	99
31) Carbon tetrachloride	5.13	117	107505	49.983	ug/L	98
33) Benzene	5.38	78	284906	50.973	ug/L	100
34) Trichloroethene	6.18	95	74454	49.856	ug/L	99
35) Methylcyclohexane	6.41	83	111788	48.427	ug/L	98
37) 1,2-Dichloropropane	6.42	63	77542	50.576	ug/L	100
38) Bromodichloromethane	6.75	83	105989	51.411	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	118991	49.815	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	268066	109.514	ug/L	99
42) Toluene	7.63	91	308194	50.963	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	108934	48.554	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	72882	51.072	ug/L	99
46) Tetrachloroethene	8.22	164	59622	48.722	ug/L	99
48) 2-Hexanone	8.36	43	214446	99.295	ug/L	99
49) Dibromochloromethane	8.47	129	83783	48.701	ug/L	97
50) 1,2-Dibromoethane	8.58	107	80257	50.642	ug/L	98
51) Chlorobenzene	9.11	112	197847	49.717	ug/L	99
52) Ethylbenzene	9.24	91	340771	50.908	ug/L	99
53) m,p-Xylene	9.37	106	127115	50.332	ug/L	99
54) o-xylene	9.77	106	125628	50.936	ug/L	100
55) Styrene	9.79	104	218332	51.028	ug/L	97
56) Isopropylbenzene	10.16	105	336104	50.567	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	129321	50.081	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	104882	51.260	ug/L	100
61) Bromoform	9.95	173	64918	49.510	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	158641	50.825	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	161453	50.080	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	162995	51.143	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	32268	53.070	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	121389	48.401	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	109471	50.728	ug/L	98
69) Naphthalene	13.74	128	349609	52.690	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	115616	50.608	ug/L	98

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

