

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070119\
 Data File : VU033100.D
 Acq On : 01 Jul 2019 09:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jul 02 04:15:29 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	183269	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	185579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95449	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45894	36.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.28%
7) Chloroethane-d5	1.67	69	42415	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.92%
11) 1,1-Dichloroethene-d2	2.27	63	113550	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
21) 2-Butanone-d5	4.17	46	110618	106.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.11%
24) Chloroform-d	4.64	84	122496	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
26) 1,2-Dichloroethane-d4	5.30	65	83557	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.33	84	212581	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.32	67	73408	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.26%
41) Toluene-d8	7.56	98	198279	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.84	79	36140	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.16%
47) 2-Hexanone-d5	8.31	63	64632	89.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.82%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	117106	49.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	85474	46.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	98524	53.221	ug/L 100
3) Chloromethane	1.33	50	86319	51.446	ug/L 100
5) Vinyl chloride	1.40	62	85582	51.424	ug/L 99
6) Bromomethane	1.62	94	51819	52.914	ug/L 98
8) Chloroethane	1.69	64	52533	54.837	ug/L 97
9) Trichlorofluoromethane	1.88	101	127053	54.416	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66362	54.188	ug/L 96
12) 1,1-Dichloroethene	2.28	96	58947	51.076	ug/L 87
13) Acetone	2.31	43	159614	110.851	ug/L 97
14) Carbon disulfide	2.47	76	178169	48.788	ug/L 100
15) Methyl Acetate	2.61	43	89078	54.576	ug/L 98
16) Methylene chloride	2.69	84	72011	53.175	ug/L 96
17) trans-1,2-Dichloroethene	2.97	96	63054	50.382	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	213615	53.162	ug/L 98
19) 1,1-Dichloroethane	3.43	63	132391	55.487	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	73038	53.570	ug/L 96
22) 2-Butanone	4.25	43	167307	112.105	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39572	55.637	uq/L	95
25) Chloroform	4.66	83	138462	56.273	uq/L	99
27) 1,2-Dichloroethane	5.39	62	118186	58.469	uq/L	99
29) Cyclohexane	4.99	56	107444	49.584	uq/L	98
30) 1,1,1-Trichloroethane	4.90	97	122446	54.157	uq/L	99
31) Carbon tetrachloride	5.13	117	110928	53.921	uq/L	99
33) Benzene	5.38	78	278934	52.175	uq/L	100
34) Trichloroethene	6.18	95	74858	52.407	uq/L	99
35) Methylcyclohexane	6.41	83	112478	50.943	uq/L	96
37) 1,2-Dichloropropane	6.42	63	78137	53.283	uq/L	99
38) Bromodichloromethane	6.75	83	107692	54.614	uq/L	99
39) cis-1,3-Dichloropropene	7.26	75	115495	50.552	uq/L	99
40) 4-Methyl-2-pentanone	7.45	43	246430	105.255	uq/L	97
42) Toluene	7.63	91	307199	53.110	uq/L	99
44) trans-1,3-Dichloropropene	7.87	75	114708	53.454	uq/L	100
45) 1,1,2-Trichloroethane	8.06	97	72180	52.882	uq/L	99
46) Tetrachloroethene	8.22	164	61156	52.250	uq/L	98
48) 2-Hexanone	8.35	43	213776	103.488	uq/L	100
49) Dibromochloromethane	8.47	129	87687	53.290	uq/L	98
50) 1,2-Dibromoethane	8.58	107	79191	52.243	uq/L	98
51) Chlorobenzene	9.11	112	197065	51.774	uq/L	98
52) Ethylbenzene	9.24	91	335758	52.441	uq/L	100
53) m,p-Xylene	9.37	106	125942	52.136	uq/L	97
54) o-xylene	9.77	106	122840	52.072	uq/L	96
55) Styrene	9.78	104	216404	52.878	uq/L	95
56) Isopropylbenzene	10.16	105	330004	51.908	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	125646	50.872	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	103866	53.073	uq/L	100
61) Bromoform	9.95	173	66558	53.403	uq/L	100
62) 1,3-Dichlorobenzene	11.41	146	153784	51.834	uq/L	98
63) 1,4-Dichlorobenzene	11.50	146	159745	52.129	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	158636	52.367	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	29013	50.201	uq/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	123498	51.806	uq/L	97
68) 1,2,4-trichlorobenzene	13.50	180	97544	47.554	uq/L	100
69) Naphthalene	13.74	128	261895	41.526	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	107534	49.521	uq/L	98

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

