

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031919\
 Data File : VU030190.D
 Acq On : 19 Mar 2019 13:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Mar 20 02:52:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 02:47:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	555576	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	541601	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	280681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177739	47.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.62%
7) Chloroethane-d5	1.68	69	143180	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.32%
11) 1,1-Dichloroethene-d2	2.27	63	329971	48.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.28%
21) 2-Butanone-d5	4.17	46	287748	103.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.25%
24) Chloroform-d	4.64	84	335599	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.31	65	194826	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
32) Benzene-d6	5.34	84	707744	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
36) 1,2-Dichloropropane-d6	6.33	67	218886	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.14%
41) Toluene-d8	7.56	98	668278	49.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.85	79	112053	52.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.22%
47) 2-Hexanone-d5	8.31	63	240899	105.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	332368	49.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	273432	48.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	221947	47.184	ug/L	100
3) Chloromethane	1.33	50	210707	46.278	ug/L	98
5) Vinyl chloride	1.40	62	223434	46.228	ug/L	99
6) Bromomethane	1.62	94	131546	50.293	ug/L	97
8) Chloroethane	1.70	64	131491	46.014	ug/L	99
9) Trichlorofluoromethane	1.88	101	288837	47.057	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	180024	48.234	ug/L	99
12) 1,1-Dichloroethene	2.28	96	174410	47.054	ug/L	100
13) Acetone	2.32	43	250643	86.066	ug/L	98
14) Carbon disulfide	2.48	76	527220	47.623	ug/L	100
15) Methyl Acetate	2.61	43	204462	48.280	ug/L	100
16) Methylene chloride	2.70	84	201715	47.984	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	188474	48.250	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	560880	49.916	ug/L	100
19) 1,1-Dichloroethane	3.44	63	323150	48.097	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	212645	49.687	ug/L	100
22) 2-Butanone	4.26	43	327145	95.581	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	111624	48.732	uq/L	99
25) Chloroform	4.67	83	334555	47.796	uq/L	99
27) 1,2-Dichloroethane	5.40	62	245230	49.429	uq/L	99
29) Cyclohexane	4.99	56	293725	49.913	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	280799	48.107	uq/L	99
31) Carbon tetrachloride	5.13	117	251193	48.612	uq/L	98
33) Benzene	5.39	78	762050	48.768	uq/L	100
34) Trichloroethene	6.18	95	199742	48.498	uq/L	99
35) Methylcyclohexane	6.41	83	324346	50.222	uq/L	99
37) 1,2-Dichloropropane	6.43	63	199547	49.863	uq/L	100
38) Bromodichloromethane	6.75	83	254776	49.515	uq/L	98
39) cis-1,3-Dichloropropene	7.27	75	324210	50.494	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	555055	100.918	uq/L	98
42) Toluene	7.63	91	837206	49.225	uq/L	99
44) trans-1,3-Dichloropropene	7.87	75	282500	50.847	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	203975	49.654	uq/L	98
46) Tetrachloroethene	8.22	164	168235	48.346	uq/L	98
48) 2-Hexanone	8.36	43	454152	99.486	uq/L	99
49) Dibromochloromethane	8.47	129	230670	50.075	uq/L	99
50) 1,2-Dibromoethane	8.58	107	226640	49.763	uq/L	99
51) Chlorobenzene	9.12	112	546635	48.580	uq/L	100
52) Ethylbenzene	9.25	91	911904	49.371	uq/L	100
53) m,p-Xylene	9.37	106	358144	50.328	uq/L	100
54) o-xylene	9.77	106	354741	50.711	uq/L	99
55) Styrene	9.79	104	601896	50.783	uq/L	99
56) Isopropylbenzene	10.16	105	903745	49.971	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	342653	48.917	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	261641	48.374	uq/L	100
61) Bromoform	9.95	173	181006	49.937	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	442458	49.409	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	454179	48.895	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	450560	49.245	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	75611	49.429	uq/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	355391	50.780	uq/L	100
68) 1,2,4-trichlorobenzene	13.50	180	322957	52.182	uq/L	99
69) Naphthalene	13.74	128	1056152	53.787	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	333516	51.645	uq/L	99

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

