

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029908.D
 Acq On : 08 Mar 2019 23:58
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Mar 09 01:33:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 22:13:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	515366	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	496587	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	264954	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	176720	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.60%
7) Chloroethane-d5	1.68	69	147315	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.76%
11) 1,1-Dichloroethene-d2	2.27	63	319280	43.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.50%
21) 2-Butanone-d5	4.17	46	272347	118.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.51%
24) Chloroform-d	4.64	84	332251	54.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.48%
26) 1,2-Dichloroethane-d4	5.31	65	193226	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
32) Benzene-d6	5.34	84	692744	55.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.88%
36) 1,2-Dichloropropane-d6	6.33	67	211357	56.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.44%
41) Toluene-d8	7.56	98	659943	51.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.50%
43) trans-1,3-Dichloropropene-	7.85	79	94977	47.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.26%
47) 2-Hexanone-d5	8.31	63	237540	113.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	323551	50.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	273580	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	156369	44.251	ug/L 99
3) Chloromethane	1.33	50	244771	78.959	ug/L 98
5) Vinyl chloride	1.40	62	185032	43.950	ug/L 99
6) Bromomethane	1.62	94	43436	22.606	ug/L 98
8) Chloroethane	1.70	64	119385	42.634	ug/L 99
9) Trichlorofluoromethane	1.89	101	231754	34.533	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	155176	43.226	ug/L 99
12) 1,1-Dichloroethene	2.28	96	154351	45.226	ug/L 89
13) Acetone	2.32	43	169192	68.896	ug/L 96
14) Carbon disulfide	2.48	76	405276	45.342	ug/L 100
15) Methyl Acetate	2.61	43	190202	59.672	ug/L 99
16) Methylene chloride	2.70	84	185095	56.048	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	165729	52.612	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	378156	38.776	ug/L 97
19) 1,1-Dichloroethane	3.44	63	300083	55.093	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	196098	53.576	ug/L 95
22) 2-Butanone	4.26	43	266682	95.155	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	99812	49.745	ug/L	96
25) Chloroform	4.67	83	363030	59.737	ug/L	99
27) 1,2-Dichloroethane	5.40	62	228088	48.817	ug/L	98
29) Cyclohexane	4.99	56	248405	50.548	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	263157	49.979	ug/L	100
31) Carbon tetrachloride	5.13	117	229423	48.141	ug/L	98
33) Benzene	5.39	78	691763	54.334	ug/L	100
34) Trichloroethene	6.18	95	186269	54.309	ug/L	95
35) Methylcyclohexane	6.41	83	268617	47.160	ug/L	98
37) 1,2-Dichloropropane	6.43	63	180181	53.912	ug/L	99
38) Bromodichloromethane	6.75	83	231337	51.343	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	262377	48.659	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	508747	108.249	ug/L	97
42) Toluene	7.63	91	763556	50.713	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	238069	46.847	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	185634	52.111	ug/L	98
46) Tetrachloroethene	8.22	164	153728	45.793	ug/L	98
48) 2-Hexanone	8.36	43	401740	97.851	ug/L	97
49) Dibromochloromethane	8.47	129	184641	42.755	ug/L	99
50) 1,2-Dibromoethane	8.58	107	197341	50.001	ug/L	98
51) Chlorobenzene	9.12	112	506736	49.036	ug/L	99
52) Ethylbenzene	9.25	91	836951	48.944	ug/L	100
53) m,p-Xylene	9.37	106	325306	47.391	ug/L	98
54) o-xylene	9.77	106	324097	47.005	ug/L	98
55) Styrene	9.79	104	538889	46.298	ug/L	95
56) Isopropylbenzene	10.16	105	840409	46.579	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	324687	51.543	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	243903	51.184	ug/L	100
61) Bromoform	9.95	173	118308	33.158	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	417380	49.407	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	417838	49.149	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	425022	48.198	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	64471	46.982	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	315537	48.947	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	293635	52.663	ug/L	99
69) Naphthalene	13.74	128	997014	58.175	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	310433	52.429	ug/L	100

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

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