

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030096.D
 Acq On : 15 Mar 2019 00:35
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: Mar 15 02:50:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 02:44:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	482383	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	471787	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	246129	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139603	43.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.50%
7) Chloroethane-d5	1.68	69	122949	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.46%
11) 1,1-Dichloroethene-d2	2.27	63	277797	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
21) 2-Butanone-d5	4.17	46	262541	109.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.82%
24) Chloroform-d	4.65	84	300503	52.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.31	65	172425	52.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.30%
32) Benzene-d6	5.34	84	627662	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.36%
36) 1,2-Dichloropropane-d6	6.33	67	193862	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.32%
41) Toluene-d8	7.56	98	595700	52.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.76%
43) trans-1,3-Dichloropropene-	7.85	79	88844	49.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.70%
47) 2-Hexanone-d5	8.31	63	222338	106.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.91%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303171	53.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	245878	51.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.14%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	143945	47.226 ug/L	99
3) Chloromethane	1.33	50	148494	44.160 ug/L	99
5) Vinyl chloride	1.40	62	180306	48.915 ug/L	99
6) Bromomethane	1.62	94	50781	22.238 ug/L	95
8) Chloroethane	1.70	64	113615	47.026 ug/L	95
9) Trichlorofluoromethane	1.88	101	246335	49.830 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	152146	48.009 ug/L	98
12) 1,1-Dichloroethene	2.28	96	152851	50.555 ug/L	92
13) Acetone	2.32	43	168192	60.173 ug/L	99
14) Carbon disulfide	2.48	76	449558	47.973 ug/L	99
15) Methyl Acetate	2.61	43	188057	52.076 ug/L	99
16) Methylene chloride	2.70	84	178916	50.115 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	164621	49.997 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	492992	50.484 ug/L	99
19) 1,1-Dichloroethane	3.44	63	292052	51.661 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	187864	50.119 ug/L	96
22) 2-Butanone	4.26	43	269912	84.821 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	98780	50.874	ug/L	98
25) Chloroform	4.67	83	305857	51.548	ug/L	100
27) 1,2-Dichloroethane	5.40	62	218838	51.300	ug/L	98
29) Cyclohexane	4.99	56	253475	48.712	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	258558	50.201	ug/L	99
31) Carbon tetrachloride	5.13	117	224206	49.298	ug/L	99
33) Benzene	5.39	78	684808	50.725	ug/L	100
34) Trichloroethene	6.18	95	177148	50.066	ug/L	99
35) Methylcyclohexane	6.41	83	267144	46.560	ug/L	99
37) 1,2-Dichloropropane	6.43	63	180868	50.933	ug/L	99
38) Bromodichloromethane	6.75	83	229022	51.863	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	268185	48.530	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	489397	102.068	ug/L	99
42) Toluene	7.63	91	751094	51.171	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	242338	48.028	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	182890	51.498	ug/L	98
46) Tetrachloroethene	8.22	164	148073	47.820	ug/L	98
48) 2-Hexanone	8.36	43	381335	93.224	ug/L	98
49) Dibromochloromethane	8.47	129	203010	51.164	ug/L	97
50) 1,2-Dibromoethane	8.58	107	200048	51.104	ug/L	98
51) Chlorobenzene	9.12	112	492524	49.771	ug/L	99
52) Ethylbenzene	9.25	91	804458	49.785	ug/L	100
53) m,p-Xylene	9.37	106	315686	50.495	ug/L	97
54) o-xylene	9.77	106	310141	50.506	ug/L	99
55) Styrene	9.79	104	532297	50.908	ug/L	100
56) Isopropylbenzene	10.16	105	801631	49.865	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	311948	51.178	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	232007	50.166	ug/L	99
61) Bromoform	9.95	173	159478	52.055	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	386569	48.633	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	397938	49.235	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	398239	49.774	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66450	51.109	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	292709	47.444	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	266621	47.245	ug/L	99
69) Naphthalene	13.74	128	901091	49.145	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	285129	48.635	ug/L	99

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

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