

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
 Data File : VU030356.D
 Acq On : 23 Mar 2019 22:37
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Mar 24 02:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Mar 24 02:05:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	505775	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	488337	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	223042	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	187008	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.88%
7) Chloroethane-d5	1.67	69	150808	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.48%
11) 1,1-Dichloroethene-d2	2.27	63	356635	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
21) 2-Butanone-d5	4.17	46	376075	98.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.29%
24) Chloroform-d	4.64	84	333129	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.31	65	212606	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
32) Benzene-d6	5.34	84	691006	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
36) 1,2-Dichloropropane-d6	6.32	67	238469	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.54%
41) Toluene-d8	7.56	98	624613	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%
43) trans-1,3-Dichloropropene-	7.85	79	108688	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
47) 2-Hexanone-d5	8.31	63	268463	103.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	331456	48.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	224000	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	248742	44.574	ug/L 99
3) Chloromethane	1.33	50	282818	45.315	ug/L 100
5) Vinyl chloride	1.40	62	271723	45.912	ug/L 99
6) Bromomethane	1.61	94	125836	46.348	ug/L 99
8) Chloroethane	1.69	64	158402	47.409	ug/L 97
9) Trichlorofluoromethane	1.88	101	294624	45.650	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	169636	45.955	ug/L 98
12) 1,1-Dichloroethene	2.28	96	171947	47.516	ug/L 96
13) Acetone	2.32	43	261768	67.647	ug/L 97
14) Carbon disulfide	2.48	76	542442	45.336	ug/L 100
15) Methyl Acetate	2.61	43	275150	46.437	ug/L # 100
16) Methylene chloride	2.70	84	203703	47.751	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	177633	46.789	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	613443	48.861	ug/L 98
19) 1,1-Dichloroethane	3.44	63	360487	46.282	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	203571	47.812	ug/L 98
22) 2-Butanone	4.26	43	412304	88.151	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	96779	48.904	ug/L	92
25) Chloroform	4.67	83	339397	45.830	ug/L	98
27) 1,2-Dichloroethane	5.40	62	266447	45.852	ug/L	100
29) Cyclohexane	4.99	56	362074	48.995	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	280457	46.903	ug/L	97
31) Carbon tetrachloride	5.13	117	234672	46.303	ug/L	98
33) Benzene	5.39	78	813969	48.965	ug/L	100
34) Trichloroethene	6.18	95	188022	46.010	ug/L	97
35) Methylcyclohexane	6.41	83	315893	46.975	ug/L	97
37) 1,2-Dichloropropane	6.43	63	220932	46.832	ug/L	100
38) Bromodichloromethane	6.75	83	258682	46.148	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	326638	48.171	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	728368	91.918	ug/L	99
42) Toluene	7.63	91	905738	52.499	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	280869	47.075	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	187781	47.110	ug/L	98
46) Tetrachloroethene	8.22	164	134584	47.151	ug/L	97
48) 2-Hexanone	8.36	43	568728	87.571	ug/L	98
49) Dibromochloromethane	8.47	129	198949	48.035	ug/L	99
50) 1,2-Dibromoethane	8.58	107	205033	47.929	ug/L	98
51) Chlorobenzene	9.12	112	496949	47.528	ug/L	98
52) Ethylbenzene	9.25	91	899278	48.118	ug/L	98
53) m,p-Xylene	9.37	106	346668	51.373	ug/L	96
54) o-xylene	9.77	106	333177	50.601	ug/L	98
55) Styrene	9.79	104	557726	49.173	ug/L	97
56) Isopropylbenzene	10.16	105	846630	48.561	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	338991	46.144	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	264003	45.976	ug/L	100
61) Bromoform	9.95	173	147801	49.841	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	347084	47.584	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	351242	46.776	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	356733	48.368	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	75632	46.054	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	252255	46.196	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	218439	46.040	ug/L	99
69) Naphthalene	13.74	128	800113	47.426	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	231293	46.166	ug/L	99

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

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