

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032528.D
 Acq On : 07 Jun 2019 05:11
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Quant Time: Jun 07 07:06:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 07:01:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224842	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	213709	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113913	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62302	42.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.42%
7) Chloroethane-d5	1.67	69	52087	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.86%
11) 1,1-Dichloroethene-d2	2.27	63	130158	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
21) 2-Butanone-d5	4.17	46	128844	105.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.64	84	132564	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.30	65	84180	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
32) Benzene-d6	5.33	84	259288	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.32	67	83740	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.56	98	242602	46.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.24%
43) trans-1,3-Dichloropropene-	7.85	79	39506	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	8.31	63	89600	106.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.18%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	127494	50.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	103767	47.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	100412	49.537	ug/L 99
3) Chloromethane	1.32	50	91224	46.575	ug/L 100
5) Vinyl chloride	1.40	62	94692	48.397	ug/L 96
6) Bromomethane	1.62	94	37131	31.846	ug/L 98
8) Chloroethane	1.69	64	53589	46.079	ug/L 99
9) Trichlorofluoromethane	1.88	101	126243	47.783	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66921	48.704	ug/L 100
12) 1,1-Dichloroethene	2.28	96	67434	50.545	ug/L 92
13) Acetone	2.32	43	90804	72.089	ug/L 100
14) Carbon disulfide	2.47	76	199168	49.132	ug/L 100
15) Methyl Acetate	2.61	43	95323	53.004	ug/L 99
16) Methylene chloride	2.69	84	76740	50.409	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	71581	49.512	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	245306	51.647	ug/L 99
19) 1,1-Dichloroethane	3.44	63	137250	52.076	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	81362	49.727	ug/L 94
22) 2-Butanone	4.25	43	141579	95.101	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	42337	49.765	ug/L	94
25) Chloroform	4.67	83	138005	50.741	ug/L	99
27) 1,2-Dichloroethane	5.40	62	112803	52.464	ug/L	99
29) Cyclohexane	4.99	56	125210	49.258	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	123252	50.946	ug/L	99
31) Carbon tetrachloride	5.13	117	110455	49.814	ug/L	100
33) Benzene	5.38	78	297111	49.481	ug/L	100
34) Trichloroethene	6.18	95	78964	48.337	ug/L	100
35) Methylcyclohexane	6.41	83	123840	46.827	ug/L	98
37) 1,2-Dichloropropane	6.43	63	81560	51.240	ug/L	99
38) Bromodichloromethane	6.75	83	104756	51.112	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	125634	50.026	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	272912	106.577	ug/L	100
42) Toluene	7.63	91	327877	49.860	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	110824	49.717	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	76074	50.541	ug/L	98
46) Tetrachloroethene	8.22	164	65799	48.768	ug/L	98
48) 2-Hexanone	8.36	43	215941	102.671	ug/L	99
49) Dibromochloromethane	8.47	129	88566	50.623	ug/L	97
50) 1,2-Dibromoethane	8.58	107	85223	50.302	ug/L	98
51) Chlorobenzene	9.11	112	214982	50.743	ug/L	100
52) Ethylbenzene	9.24	91	363728	49.622	ug/L	100
53) m,p-Xylene	9.37	106	135624	48.659	ug/L	98
54) o-xylene	9.77	106	138733	50.131	ug/L	99
55) Styrene	9.79	104	234866	50.837	ug/L	97
56) Isopropylbenzene	10.16	105	366449	50.217	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	134150	52.146	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	108560	52.465	ug/L	100
61) Bromoform	9.95	173	71591	52.712	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	175172	50.828	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	176253	50.024	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	176924	50.777	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	34089	58.150	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	137013	51.099	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	129432	56.980	ug/L	98
69) Naphthalene	13.74	128	423864	59.157	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	130218	55.082	ug/L	99

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

