

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU053019\
 Data File : VU032371.D
 Acq On : 30 May 2019 11:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: May 31 04:34:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 05:19:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	749490	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	767074	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	392450	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	246319	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.18%
7) Chloroethane-d5	1.66	69	202625	45.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.84%
11) 1,1-Dichloroethene-d2	2.27	63	455985	46.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.92%
21) 2-Butanone-d5	4.17	46	337204	92.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.75%
24) Chloroform-d	4.64	84	466000	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.30	65	276151	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
32) Benzene-d6	5.33	84	954046	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
36) 1,2-Dichloropropane-d6	6.32	67	286170	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.64%
41) Toluene-d8	7.56	98	909009	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%
43) trans-1,3-Dichloropropene-	7.85	79	134778	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
47) 2-Hexanone-d5	8.31	63	246139	93.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	455001	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	373199	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	294133	50.581	ug/L 99
3) Chloromethane	1.32	50	282418	45.831	ug/L 98
5) Vinyl chloride	1.40	62	302937	48.204	ug/L 97
6) Bromomethane	1.60	94	171962	42.788	ug/L 96
8) Chloroethane	1.68	64	182626	48.049	ug/L 100
9) Trichlorofluoromethane	1.88	101	405391	51.432	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	249011	52.347	ug/L 99
12) 1,1-Dichloroethene	2.28	96	243851	50.264	ug/L 97
13) Acetone	2.32	43	335670	97.966	ug/L 97
14) Carbon disulfide	2.47	76	700158	48.097	ug/L 99
15) Methyl Acetate	2.61	43	251788	45.983	ug/L 98
16) Methylene chloride	2.69	84	276975	48.978	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	252129	50.447	ug/L 92
18) Methyl tert-butyl Ether	2.99	73	766368	50.646	ug/L 100
19) 1,1-Dichloroethane	3.44	63	446788	49.216	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	284343	50.756	ug/L 97
22) 2-Butanone	4.26	43	402682	97.582	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	149183	50.469	ug/L	95
25) Chloroform	4.67	83	474387	50.239	ug/L	100
27) 1,2-Dichloroethane	5.40	62	351655	50.033	ug/L	97
29) Cyclohexane	4.99	56	389254	49.687	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	392656	48.868	ug/L	99
31) Carbon tetrachloride	5.13	117	344957	50.136	ug/L	99
33) Benzene	5.38	78	1052200	49.016	ug/L	100
34) Trichloroethene	6.18	95	276744	49.899	ug/L	98
35) Methylcyclohexane	6.41	83	434329	51.543	ug/L	99
37) 1,2-Dichloropropane	6.43	63	265706	47.390	ug/L	98
38) Bromodichloromethane	6.75	83	353134	49.010	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	409283	49.389	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	696821	95.281	ug/L	98
42) Toluene	7.63	91	1183948	50.659	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	366494	50.496	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	273725	49.930	ug/L	97
46) Tetrachloroethene	8.22	164	230435	51.144	ug/L	99
48) 2-Hexanone	8.36	43	569020	95.374	ug/L	98
49) Dibromochloromethane	8.47	129	300167	50.553	ug/L	99
50) 1,2-Dibromoethane	8.58	107	288638	49.913	ug/L	98
51) Chlorobenzene	9.12	112	757278	50.257	ug/L	99
52) Ethylbenzene	9.24	91	1281626	51.369	ug/L	99
53) m,p-Xylene	9.37	106	514413	53.589	ug/L	100
54) o-xylene	9.77	106	503287	52.238	ug/L	98
55) Styrene	9.79	104	882892	54.624	ug/L	100
56) Isopropylbenzene	10.16	105	1288487	52.704	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	463116	48.924	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	359251	48.303	ug/L	100
61) Bromoform	9.95	173	232876	46.588	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	605022	50.325	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	621434	50.080	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	636636	50.303	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	92817	44.758	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	464298	51.772	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	357075	51.813	ug/L	100
69) Naphthalene	13.74	128	1086145	52.643	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	404727	54.297	ug/L	98

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

