

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030216.D
 Acq On : 20 Mar 2019 08:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Mar 22 01:00:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 02:58:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	561477	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	536850	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	275667	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167081	44.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.02%
7) Chloroethane-d5	1.68	69	138259	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	2.27	63	310075	44.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.54%
21) 2-Butanone-d5	4.17	46	265765	94.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.36%
24) Chloroform-d	4.64	84	323359	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
26) 1,2-Dichloroethane-d4	5.31	65	184283	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.74%
32) Benzene-d6	5.34	84	668331	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
36) 1,2-Dichloropropane-d6	6.33	67	210380	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.12%
41) Toluene-d8	7.56	98	631399	47.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.94%
43) trans-1,3-Dichloropropene-	7.85	79	103264	48.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.90%
47) 2-Hexanone-d5	8.31	63	223351	98.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	320256	47.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	261039	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	224073	47.136	ug/L 100
3) Chloromethane	1.33	50	218547	47.495	ug/L 99
5) Vinyl chloride	1.40	62	232200	47.537	ug/L 100
6) Bromomethane	1.62	94	132232	50.023	ug/L 99
8) Chloroethane	1.70	64	135966	47.080	ug/L 100
9) Trichlorofluoromethane	1.88	101	297244	47.918	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	180287	47.796	ug/L 98
12) 1,1-Dichloroethene	2.28	96	172767	46.121	ug/L 96
13) Acetone	2.32	43	314859	106.980	ug/L 100
14) Carbon disulfide	2.48	76	515387	46.065	ug/L 99
15) Methyl Acetate	2.61	43	196056	45.808	ug/L 98
16) Methylene chloride	2.70	84	197237	46.426	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	184169	46.653	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	536993	47.288	ug/L 100
19) 1,1-Dichloroethane	3.44	63	323707	47.674	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	207997	48.090	ug/L 99
22) 2-Butanone	4.26	43	351024	101.479	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	110194	47.602	ug/L	98
25) Chloroform	4.67	83	332172	46.957	ug/L	97
27) 1,2-Dichloroethane	5.40	62	236553	47.179	ug/L	99
29) Cyclohexane	4.99	56	290509	49.803	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	282310	48.794	ug/L	99
31) Carbon tetrachloride	5.13	117	247702	48.360	ug/L	100
33) Benzene	5.39	78	764204	49.339	ug/L	100
34) Trichloroethene	6.18	95	197533	48.386	ug/L	98
35) Methylcyclohexane	6.41	83	317326	49.570	ug/L	98
37) 1,2-Dichloropropane	6.43	63	197068	49.679	ug/L	100
38) Bromodichloromethane	6.75	83	248500	48.723	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	313524	49.262	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	518610	95.127	ug/L	99
42) Toluene	7.63	91	842357	49.966	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	273922	49.739	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	196344	48.219	ug/L	99
46) Tetrachloroethene	8.22	164	171486	49.717	ug/L	99
48) 2-Hexanone	8.36	43	448722	99.167	ug/L	99
49) Dibromochloromethane	8.47	129	222507	48.730	ug/L	100
50) 1,2-Dibromoethane	8.58	107	216717	48.005	ug/L	98
51) Chlorobenzene	9.12	112	538153	48.249	ug/L	100
52) Ethylbenzene	9.25	91	901310	49.229	ug/L	100
53) m,p-Xylene	9.37	106	353304	50.088	ug/L	98
54) o-xylene	9.77	106	344083	49.623	ug/L	100
55) Styrene	9.79	104	598561	50.949	ug/L	100
56) Isopropylbenzene	10.16	105	898824	50.138	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	331843	47.793	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	249779	46.589	ug/L	100
61) Bromoform	9.95	173	173071	48.617	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	427014	48.552	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	437238	47.928	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	433735	48.269	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	71232	47.414	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	336902	49.014	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	296380	48.759	ug/L	100
69) Naphthalene	13.74	128	882621	45.767	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	307567	48.493	ug/L	99

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

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