

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040919\
 Data File : VU030890.D
 Acq On : 08 Apr 2019 09:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Apr 08 09:49:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 07:03:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	512525	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	506498	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241623	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	242507	53.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.02%
7) Chloroethane-d5	1.68	69	192930	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.12%
11) 1,1-Dichloroethene-d2	2.27	63	454638	54.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.88%
21) 2-Butanone-d5	4.17	46	355495	98.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.64	84	395859	56.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.28%
26) 1,2-Dichloroethane-d4	5.30	65	269205	56.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.90%
32) Benzene-d6	5.33	84	789746	53.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.82%
36) 1,2-Dichloropropane-d6	6.32	67	263451	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.98%
41) Toluene-d8	7.56	98	714812	54.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.08%
43) trans-1,3-Dichloropropene-	7.85	79	124635	53.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.88%
47) 2-Hexanone-d5	8.31	63	218528	94.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	368293	53.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	248812	52.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	228794	50.820	ug/L 100
3) Chloromethane	1.32	50	281045	48.263	ug/L 100
5) Vinyl chloride	1.40	62	283515	50.296	ug/L 96
6) Bromomethane	1.62	94	149206	51.090	ug/L 99
8) Chloroethane	1.69	64	168060	52.273	ug/L 97
9) Trichlorofluoromethane	1.88	101	354774	54.014	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	201528	54.913	ug/L 98
12) 1,1-Dichloroethene	2.28	96	187323	52.874	ug/L 98
13) Acetone	2.32	43	474271	127.819	ug/L 99
14) Carbon disulfide	2.47	76	554197	50.354	ug/L 97
15) Methyl Acetate	2.61	43	281092	48.859	ug/L 98
16) Methylene chloride	2.70	84	218337	50.731	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	184921	49.158	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	613169	48.661	ug/L 100
19) 1,1-Dichloroethane	3.44	63	401267	51.689	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	211664	50.960	ug/L 98
22) 2-Butanone	4.25	43	495335	113.858	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	103875	52.899	ug/L	94
25) Chloroform	4.67	83	404399	51.830	ug/L	100
27) 1,2-Dichloroethane	5.40	62	312449	52.468	ug/L	98
29) Cyclohexane	4.99	56	349004	48.345	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	323254	52.369	ug/L	99
31) Carbon tetrachloride	5.13	117	280766	52.783	ug/L	98
33) Benzene	5.38	78	857498	51.735	ug/L	100
34) Trichloroethene	6.18	95	203948	50.169	ug/L	99
35) Methylcyclohexane	6.41	83	320104	51.022	ug/L	99
37) 1,2-Dichloropropane	6.43	63	238623	50.843	ug/L	100
38) Bromodichloromethane	6.75	83	292570	51.673	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	323162	48.376	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	732696	97.081	ug/L	100
42) Toluene	7.63	91	892953	52.778	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	313111	53.186	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	203166	51.041	ug/L	99
46) Tetrachloroethene	8.22	164	154295	52.205	ug/L	98
48) 2-Hexanone	8.36	43	649355	110.279	ug/L	99
49) Dibromochloromethane	8.47	129	225171	53.312	ug/L	99
50) 1,2-Dibromoethane	8.58	107	217760	50.557	ug/L	99
51) Chlorobenzene	9.12	112	531513	51.221	ug/L	99
52) Ethylbenzene	9.25	91	950980	51.565	ug/L	100
53) m,p-Xylene	9.37	106	341915	53.158	ug/L	100
54) o-xylene	9.77	106	328608	51.362	ug/L	94
55) Styrene	9.79	104	598019	54.494	ug/L	98
56) Isopropylbenzene	10.16	105	894333	53.093	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	365304	50.739	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	288890	51.394	ug/L	99
61) Bromoform	9.95	173	164394	51.503	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	378200	49.525	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	396939	51.101	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	391400	51.096	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	79983	49.117	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	290640	52.078	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	234781	49.479	ug/L	98
69) Naphthalene	13.74	128	739256	48.058	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	255342	51.504	ug/L	98

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

