

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071519\
 Data File : VU033253.D
 Acq On : 15 Jul 2019 14:07
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Jul 16 01:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:46:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	308957	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	309191	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	161885	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102627	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.67	69	91347	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.44%
11) 1,1-Dichloroethene-d2	2.26	63	205704	48.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.98%
21) 2-Butanone-d5	4.15	46	158428	106.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.91%
24) Chloroform-d	4.62	84	194139	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.06%
26) 1,2-Dichloroethane-d4	5.28	65	123024	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.88%
32) Benzene-d6	5.32	84	372531	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
36) 1,2-Dichloropropane-d6	6.31	67	119151	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.08%
41) Toluene-d8	7.55	98	350947	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.83	79	60279	50.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.18%
47) 2-Hexanone-d5	8.29	63	114282	104.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.33%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186753	50.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	144816	50.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	149743	48.908	ug/L	100
3) Chloromethane	1.32	50	152949	50.707	ug/L	99
5) Vinyl chloride	1.39	62	166348	47.713	ug/L	99
6) Bromomethane	1.61	94	107181	49.313	ug/L	99
8) Chloroethane	1.68	64	100505	47.661	ug/L	97
9) Trichlorofluoromethane	1.87	101	223285	48.704	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	112827	53.530	ug/L	98
12) 1,1-Dichloroethene	2.27	96	106079	51.440	ug/L	93
13) Acetone	2.31	43	170825	92.261	ug/L	99
14) Carbon disulfide	2.46	76	302625	47.982	ug/L	99
15) Methyl Acetate	2.60	43	122492	50.661	ug/L	99
16) Methylene chloride	2.68	84	115259	48.952	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	105513	49.506	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	326623	49.649	ug/L	99
19) 1,1-Dichloroethane	3.42	63	202893	49.524	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	118208	49.171	ug/L	100
22) 2-Butanone	4.23	43	201002	97.723	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	61505	49.963	ug/L	97
25) Chloroform	4.65	83	212009	48.657	ug/L	99
27) 1,2-Dichloroethane	5.38	62	167905	49.764	ug/L	98
29) Cyclohexane	4.97	56	173125	51.386	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	183751	50.940	ug/L	98
31) Carbon tetrachloride	5.11	117	161921	51.294	ug/L	100
33) Benzene	5.37	78	459452	50.955	ug/L	100
34) Trichloroethene	6.16	95	118754	50.359	ug/L	98
35) Methylcyclohexane	6.40	83	192929	53.408	ug/L	100
37) 1,2-Dichloropropane	6.41	63	121744	49.786	ug/L	100
38) Bromodichloromethane	6.74	83	160835	50.989	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	191711	51.133	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	331237	100.975	ug/L	99
42) Toluene	7.62	91	505035	51.952	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	175856	52.009	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	115856	50.095	ug/L	98
46) Tetrachloroethene	8.21	164	95126	52.109	ug/L	99
48) 2-Hexanone	8.34	43	273532	102.352	ug/L	99
49) Dibromochloromethane	8.46	129	130721	50.670	ug/L	97
50) 1,2-Dibromoethane	8.57	107	127632	50.615	ug/L	100
51) Chlorobenzene	9.10	112	317921	50.105	ug/L	98
52) Ethylbenzene	9.23	91	541937	52.098	ug/L	99
53) m,p-Xylene	9.36	106	207368	52.631	ug/L	100
54) o-xylene	9.76	106	206694	52.832	ug/L	98
55) Styrene	9.77	104	352601	53.160	ug/L	95
56) Isopropylbenzene	10.15	105	531354	52.780	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	203429	50.076	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	160132	50.302	ug/L	98
61) Bromoform	9.94	173	95189	48.146	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	248503	49.868	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	256814	49.289	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	252647	49.435	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	45322	46.464	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	191773	53.250	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	166965	53.078	ug/L	99
69) Naphthalene	13.73	128	535950	53.137	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	178674	52.318	ug/L	97

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

