

Data File : VU025485.D
Acq On : 18 Jul 2018 09:38
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 19 01:03:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 18 06:47:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	336994	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	314645	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	167181	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77995	49.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.16%
7) Chloroethane-d5	1.68	69	67887	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.28%
11) 1,1-Dichloroethene-d2	2.28	63	177738	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.86%
21) 2-Butanone-d5	4.17	46	150368	88.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.92%
24) Chloroform-d	4.65	84	203954	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
26) 1,2-Dichloroethane-d4	5.31	65	136636	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
32) Benzene-d6	5.35	84	374917	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.33	67	122618	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.40%
41) Toluene-d8	7.57	98	357534	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%
43) trans-1,3-Dichloropropene-	7.85	79	62839	47.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.88%
47) 2-Hexanone-d5	8.31	63	108433	83.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.06%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	178866	47.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	159879	47.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.44%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	142767	51.494	ug/L	99
3) Chloromethane	1.33	50	117161	47.753	ug/L	97
5) Vinyl chloride	1.41	62	120474	48.836	ug/L	99
6) Bromomethane	1.63	94	68984	51.307	ug/L	99
8) Chloroethane	1.70	64	73590	49.848	ug/L	100
9) Trichlorofluoromethane	1.89	101	183197	50.514	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	108661	55.184	ug/L	99
12) 1,1-Dichloroethene	2.29	96	93312	51.086	ug/L	99
13) Acetone	2.32	43	179297	121.415	ug/L	99
14) Carbon disulfide	2.48	76	280152	47.466	ug/L	100
15) Methyl Acetate	2.62	43	118260	43.333	ug/L	98
16) Methylene chloride	2.71	84	115434	48.325	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	107778	49.886	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	367238	47.972	ug/L	99
19) 1,1-Dichloroethane	3.45	63	209577	48.492	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	124634	47.117	ug/L	98
22) 2-Butanone	4.26	43	206088	101.390	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65755	49.595	ug/L	97
25) Chloroform	4.68	83	222594	49.014	ug/L	95
27) 1,2-Dichloroethane	5.41	62	182316	48.342	ug/L	98
29) Cyclohexane	5.00	56	181512	50.096	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	202773	48.427	ug/L	99
31) Carbon tetrachloride	5.14	117	182565	49.631	ug/L	100
33) Benzene	5.39	78	453981	48.771	ug/L	100
34) Trichloroethene	6.19	95	120105	48.741	ug/L	98
35) Methylcyclohexane	6.42	83	197251	52.724	ug/L	99
37) 1,2-Dichloropropane	6.44	63	126896	49.418	ug/L	99
38) Bromodichloromethane	6.76	83	166985	48.162	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	200018	50.274	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	326015	87.540	ug/L	99
42) Toluene	7.64	91	494219	49.794	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	190413	49.854	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	118087	48.503	ug/L	98
46) Tetrachloroethene	8.23	164	106151	51.639	ug/L	98
48) 2-Hexanone	8.36	43	288478	96.953	ug/L	99
49) Dibromochloromethane	8.48	129	142951	48.503	ug/L	98
50) 1,2-Dibromoethane	8.59	107	127210	47.339	ug/L	99
51) Chlorobenzene	9.12	112	331204	49.732	ug/L	99
52) Ethylbenzene	9.25	91	560644	50.602	ug/L	98
53) m,p-Xylene	9.38	106	216519	50.987	ug/L	95
54) o-xylene	9.78	106	214443	50.056	ug/L	98
55) Styrene	9.80	104	363088	51.315	ug/L	100
56) Isopropylbenzene	10.17	105	569839	51.363	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	194071	46.300	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	155868	45.645	ug/L	98
61) Bromoform	9.96	173	104983	44.517	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	269236	48.590	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	269845	48.191	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	280264	47.902	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	43390	39.629	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	216226	50.769	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	187006	49.242	ug/L	99
69) Naphthalene	13.74	128	573024	43.608	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	196815	48.052	ug/L	99

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

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