

Data File : VU025510.D
Acq On : 18 Jul 2018 20:40
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 19 01:10:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 19 01:07:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	306100	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	284386	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146502	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56820	39.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.72%
7) Chloroethane-d5	1.68	69	54317	44.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.34%
11) 1,1-Dichloroethene-d2	2.28	63	151278	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
21) 2-Butanone-d5	4.18	46	139699	90.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.95%
24) Chloroform-d	4.65	84	178556	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
26) 1,2-Dichloroethane-d4	5.31	65	117124	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
32) Benzene-d6	5.35	84	316619	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
36) 1,2-Dichloropropane-d6	6.34	67	107347	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.34%
41) Toluene-d8	7.57	98	305457	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	7.85	79	53011	44.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.48%
47) 2-Hexanone-d5	8.31	63	102536	86.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.90%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	162534	48.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	138664	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	125372	49.784	ug/L	100
3) Chloromethane	1.33	50	103946	46.642	ug/L	98
5) Vinyl chloride	1.41	62	111180	49.617	ug/L	100
6) Bromomethane	1.63	94	41230	33.760	ug/L	99
8) Chloroethane	1.70	64	69638	51.932	ug/L	97
9) Trichlorofluoromethane	1.89	101	168033	51.009	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	98258	54.937	ug/L	100
12) 1,1-Dichloroethene	2.29	96	88170	53.143	ug/L	94
13) Acetone	2.32	43	124544	92.850	ug/L	99
14) Carbon disulfide	2.48	76	259804	48.461	ug/L	99
15) Methyl Acetate	2.62	43	119241	48.102	ug/L	100
16) Methylene chloride	2.71	84	116432	53.663	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	100766	51.347	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	356125	51.216	ug/L	100
19) 1,1-Dichloroethane	3.45	63	201336	51.287	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	119273	49.641	ug/L	99
22) 2-Butanone	4.26	43	174167	94.334	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64228	53.333	ug/L	98
25) Chloroform	4.68	83	211577	51.291	ug/L	98
27) 1,2-Dichloroethane	5.41	62	174885	51.052	ug/L	99
29) Cyclohexane	5.00	56	169408	51.730	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	194055	51.276	ug/L	100
31) Carbon tetrachloride	5.14	117	170238	51.204	ug/L	99
33) Benzene	5.39	78	435567	51.771	ug/L	100
34) Trichloroethene	6.19	95	113073	50.770	ug/L	97
35) Methylcyclohexane	6.42	83	175213	51.816	ug/L	99
37) 1,2-Dichloropropane	6.44	63	118405	51.017	ug/L	99
38) Bromodichloromethane	6.76	83	158676	50.635	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	184046	51.181	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	325910	96.823	ug/L	99
42) Toluene	7.64	91	475966	53.057	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	175775	50.918	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	116799	53.079	ug/L	99
46) Tetrachloroethene	8.23	164	96694	52.044	ug/L	98
48) 2-Hexanone	8.36	43	251025	93.342	ug/L	99
49) Dibromochloromethane	8.48	129	138475	51.984	ug/L	97
50) 1,2-Dibromoethane	8.59	107	124452	51.240	ug/L	100
51) Chlorobenzene	9.12	112	314711	52.284	ug/L	100
52) Ethylbenzene	9.25	91	524489	52.376	ug/L	99
53) m,p-Xylene	9.38	106	202622	52.791	ug/L	96
54) o-xylene	9.78	106	204673	52.859	ug/L	96
55) Styrene	9.80	104	341986	53.475	ug/L	99
56) Isopropylbenzene	10.17	105	536510	53.504	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	193063	50.960	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	151640	49.132	ug/L	100
61) Bromoform	9.96	173	101560	49.144	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	247684	51.010	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	252492	51.457	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	264717	51.631	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	42200	43.982	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	197536	52.928	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	168090	50.508	ug/L	98
69) Naphthalene	13.74	128	545075	47.336	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	181623	50.602	ug/L	98

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

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