

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050818\
 Data File : VU023733.D
 Acq On : 08 May 2018 13:24
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 09 01:54:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 09 01:53:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	349693	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	334319	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	173693	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	131126	47.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.88%
7) Chloroethane-d5	1.68	69	99824	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.74%
11) 1,1-Dichloroethene-d2	2.28	63	245754	48.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.98%
21) 2-Butanone-d5	4.18	46	214058	106.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.34%
24) Chloroform-d	4.65	84	228040	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
26) 1,2-Dichloroethane-d4	5.31	65	145477	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.88%
32) Benzene-d6	5.35	84	473061	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
36) 1,2-Dichloropropane-d6	6.34	67	157819	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.76%
41) Toluene-d8	7.57	98	442577	49.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.85	79	69590	51.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.70%
47) 2-Hexanone-d5	8.31	63	151722	108.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.41%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	215044	50.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	179120	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	152108	46.61	ug/L	99
3) Chloromethane	1.33	50	139732	47.31	ug/L	99
5) Vinyl chloride	1.40	62	158081	47.06	ug/L	100
6) Bromomethane	1.63	94	68214	54.34	ug/L	95
8) Chloroethane	1.70	64	94605	46.87	ug/L	100
9) Trichlorofluoromethane	1.89	101	186661	46.66	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	123346	47.41	ug/L	99
12) 1,1-Dichloroethene	2.28	96	116379	48.18	ug/L	92
13) Acetone	2.32	43	199783	89.97	ug/L	100
14) Carbon disulfide	2.48	76	367404	47.14	ug/L	99
15) Methyl Acetate	2.62	43	172323	49.91	ug/L	100
16) Methylene chloride	2.70	84	140401	47.42	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	125535	47.29	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	409879	49.50	ug/L	100
19) 1,1-Dichloroethane	3.45	63	247913	47.71	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	146175	48.60	ug/L	99
22) 2-Butanone	4.26	43	264589	98.64	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	73059	48.93	ug/L	96
25) Chloroform	4.68	83	244365	47.35	ug/L	98
27) 1,2-Dichloroethane	5.41	62	190614	47.93	ug/L	99
29) Cyclohexane	5.00	56	224545	48.88	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	196416	48.30	ug/L	99
31) Carbon tetrachloride	5.14	117	169443	48.36	ug/L	100
33) Benzene	5.39	78	544782	48.36	ug/L	100
34) Trichloroethene	6.19	95	137306	47.75	ug/L	99
35) Methylcyclohexane	6.42	83	211151	47.66	ug/L	99
37) 1,2-Dichloropropane	6.44	63	153408	47.97	ug/L	99
38) Bromodichloromethane	6.76	83	180171	48.46	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	225159	50.21	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	447608	102.90	ug/L	100
42) Toluene	7.64	91	572609	48.65	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	203952	50.76	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	136973	49.01	ug/L	99
46) Tetrachloroethene	8.23	164	110758	46.53	ug/L	99
48) 2-Hexanone	8.36	43	367294	102.66	ug/L	99
49) Dibromochloromethane	8.48	129	146556	49.41	ug/L	98
50) 1,2-Dibromoethane	8.59	107	144333	50.15	ug/L	99
51) Chlorobenzene	9.12	112	376595	47.71	ug/L	99
52) Ethylbenzene	9.25	91	635582	49.04	ug/L	100
53) m,p-Xylene	9.38	106	242146	49.17	ug/L	99
54) o-xylene	9.78	106	236859	49.29	ug/L	97
55) Styrene	9.80	104	414552	50.40	ug/L	100
56) Isopropylbenzene	10.17	105	622562	49.41	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	236230	48.77	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	188918	49.03	ug/L	100
61) Bromoform	9.96	173	110560	49.63	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	303607	48.85	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	312474	48.44	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	307494	48.49	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	51411	51.71	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	246584	48.19	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	223395	51.50	ug/L	99
69) Naphthalene	13.75	128	676213	54.81	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	229046	51.02	ug/L	99

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

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