

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052118\
 Data File : VU023963.D
 Acq On : 21 May 2018 10:42
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 00:59:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 16 00:49:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	309839	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	157826	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	107356	37.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.58%
7) Chloroethane-d5	1.68	69	92690	40.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.72%
11) 1,1-Dichloroethene-d2	2.27	63	220818	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.60%
21) 2-Butanone-d5	4.18	46	193827	96.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.74%
24) Chloroform-d	4.65	84	216642	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.31	65	145514	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.66%
32) Benzene-d6	5.35	84	423038	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
36) 1,2-Dichloropropane-d6	6.34	67	145327	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.96%
41) Toluene-d8	7.57	98	402002	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	7.85	79	63734	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.31	63	135446	96.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.01%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	209594	48.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	160705	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	142603	45.02	ug/L	99
3) Chloromethane	1.33	50	135800	46.08	ug/L	100
5) Vinyl chloride	1.40	62	154019	45.11	ug/L	98
6) Bromomethane	1.63	94	58493	42.98	ug/L	99
8) Chloroethane	1.70	64	96468	45.06	ug/L	99
9) Trichlorofluoromethane	1.89	101	193025	45.27	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	121241	46.58	ug/L	99
12) 1,1-Dichloroethene	2.28	96	106429	45.99	ug/L	87
13) Acetone	2.32	43	229759	113.85	ug/L	96
14) Carbon disulfide	2.48	76	288848	46.83	ug/L	100
15) Methyl Acetate	2.62	43	151444	44.74	ug/L	100
16) Methylene chloride	2.70	84	129789	47.15	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	110492	48.42	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	370122	50.52	ug/L	98
19) 1,1-Dichloroethane	3.45	63	232850	48.00	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	132119	49.57	ug/L	99
22) 2-Butanone	4.26	43	254984	103.81	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65706	47.59	ug/L	96
25) Chloroform	4.68	83	234828	47.90	ug/L	96
27) 1,2-Dichloroethane	5.41	62	192349	51.59	ug/L	98
29) Cyclohexane	5.00	56	189125	50.73	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	189273	48.83	ug/L	99
31) Carbon tetrachloride	5.14	117	160662	48.09	ug/L	99
33) Benzene	5.39	78	506453	49.59	ug/L	100
34) Trichloroethene	6.19	95	128979	49.52	ug/L	97
35) Methylcyclohexane	6.42	83	194139	52.52	ug/L	97
37) 1,2-Dichloropropane	6.44	63	145290	48.08	ug/L	99
38) Bromodichloromethane	6.76	83	177663	49.61	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	207495	52.02	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	419049	98.43	ug/L	98
42) Toluene	7.64	91	542187	50.95	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	190892	51.97	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	132511	48.82	ug/L	97
46) Tetrachloroethene	8.23	164	100386	47.14	ug/L	97
48) 2-Hexanone	8.36	43	346148	100.12	ug/L	100
49) Dibromochloromethane	8.48	129	140717	48.76	ug/L	98
50) 1,2-Dibromoethane	8.59	107	133502	48.22	ug/L	100
51) Chlorobenzene	9.12	112	355487	49.24	ug/L	98
52) Ethylbenzene	9.26	91	598092	52.13	ug/L	100
53) m,p-Xylene	9.38	106	225724	51.92	ug/L	97
54) o-xylene	9.78	106	222131	52.58	ug/L	98
55) Styrene	9.80	104	394610	53.43	ug/L	96
56) Isopropylbenzene	10.17	105	585517	52.70	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	230590	47.20	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	183689	46.84	ug/L	99
61) Bromoform	9.96	173	104600	46.90	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	276817	50.36	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	290608	49.89	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	289928	48.91	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	50349	48.15	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	230887	50.80	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	198803	53.40	ug/L	100
69) Naphthalene	13.75	128	579578	54.69	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	209435	52.58	ug/L	100

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

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