

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU073118\
 Data File : VU025735.D
 Acq On : 31 Jul 2018 11:27
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jul 31 11:58:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 31 11:57:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337202	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	318249	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	182921	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77254	40.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.26%
7) Chloroethane-d5	1.68	69	68840	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.70%
11) 1,1-Dichloroethene-d2	2.28	63	169554	42.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.62%
21) 2-Butanone-d5	4.18	46	142164	95.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.66%
24) Chloroform-d	4.65	84	199256	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
26) 1,2-Dichloroethane-d4	5.31	65	130432	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
32) Benzene-d6	5.35	84	368451	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
36) 1,2-Dichloropropane-d6	6.33	67	120143	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.36%
41) Toluene-d8	7.57	98	350431	44.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.54%
43) trans-1,3-Dichloropropene-	7.85	79	62365	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.84%
47) 2-Hexanone-d5	8.31	63	106862	97.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	173119	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	161503	43.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.12%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	146265	44.02	ug/L	100
3) Chloromethane	1.33	50	109790	45.76	ug/L	100
5) Vinyl chloride	1.41	62	118897	45.18	ug/L	100
6) Bromomethane	1.63	94	50753	55.46	ug/L	93
8) Chloroethane	1.70	64	70421	45.44	ug/L	96
9) Trichlorofluoromethane	1.89	101	174102	46.46	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	100545	47.91	ug/L	99
12) 1,1-Dichloroethene	2.29	96	89624	47.10	ug/L	93
13) Acetone	2.32	43	144992	83.12	ug/L	99
14) Carbon disulfide	2.48	76	274640	44.32	ug/L	100
15) Methyl Acetate	2.62	43	110437	45.80	ug/L	99
16) Methylene chloride	2.70	84	109544	46.21	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	104523	47.70	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	343086	48.08	ug/L	100
19) 1,1-Dichloroethane	3.45	63	196863	47.23	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	118017	47.72	ug/L	96
22) 2-Butanone	4.26	43	171621	88.38	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62249	47.69	ug/L	98
25) Chloroform	4.68	83	210401	47.97	ug/L	97
27) 1,2-Dichloroethane	5.41	62	169464	47.37	ug/L	99
29) Cyclohexane	5.00	56	174218	47.25	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	189891	47.68	ug/L	99
31) Carbon tetrachloride	5.14	117	174697	47.44	ug/L	99
33) Benzene	5.39	78	434087	47.47	ug/L	100
34) Trichloroethene	6.19	95	118157	48.70	ug/L	97
35) Methylcyclohexane	6.42	83	181643	46.43	ug/L	99
37) 1,2-Dichloropropane	6.44	63	117184	46.90	ug/L	100
38) Bromodichloromethane	6.76	83	160291	48.65	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	193601	49.92	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	308889	94.13	ug/L	99
42) Toluene	7.64	91	477949	48.47	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	184294	50.40	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	113568	47.38	ug/L	99
46) Tetrachloroethene	8.23	164	102978	48.96	ug/L	99
48) 2-Hexanone	8.36	43	258761	93.32	ug/L	99
49) Dibromochloromethane	8.48	129	139938	49.77	ug/L	98
50) 1,2-Dibromoethane	8.59	107	123360	47.77	ug/L	99
51) Chlorobenzene	9.12	112	323642	48.75	ug/L	99
52) Ethylbenzene	9.25	91	545245	50.10	ug/L	100
53) m,p-Xylene	9.38	106	213396	51.19	ug/L	100
54) o-xylene	9.78	106	207614	49.08	ug/L	99
55) Styrene	9.80	104	355732	51.63	ug/L	100
56) Isopropylbenzene	10.17	105	552527	50.61	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	185011	47.85	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	138110	47.06	ug/L	99
61) Bromoform	9.96	173	105819	44.72	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	276664	47.81	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	281961	47.74	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	279828	46.16	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	40094	42.06	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	215663	48.29	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	192576	51.30	ug/L	97
69) Naphthalene	13.74	128	538005	47.66	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	191483	48.26	ug/L	100

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

