

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070618\
 Data File : VU025232.D
 Acq On : 06 Jul 2018 09:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Jul 06 23:11:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:41:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	331228	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310002	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	162785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	86443	43.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.32%
7) Chloroethane-d5	1.68	69	74442	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.16%
11) 1,1-Dichloroethene-d2	2.27	63	201735	46.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.42%
21) 2-Butanone-d5	4.17	46	164158	99.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.19%
24) Chloroform-d	4.65	84	203456	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
26) 1,2-Dichloroethane-d4	5.31	65	141409	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
32) Benzene-d6	5.35	84	382600	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
36) 1,2-Dichloropropane-d6	6.33	67	124844	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.16%
41) Toluene-d8	7.57	98	380625	45.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.48%
43) trans-1,3-Dichloropropene-	7.85	79	62898	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.60%
47) 2-Hexanone-d5	8.31	63	116434	94.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.17%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	183451	47.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	165466	46.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	153979	51.16	ug/L	98
3) Chloromethane	1.33	50	120745	48.64	ug/L	100
5) Vinyl chloride	1.40	62	125379	48.81	ug/L	100
6) Bromomethane	1.62	94	69584	50.45	ug/L	98
8) Chloroethane	1.70	64	78554	50.73	ug/L	94
9) Trichlorofluoromethane	1.89	101	191835	51.14	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	117194	52.63	ug/L	99
12) 1,1-Dichloroethene	2.28	96	100757	49.59	ug/L	90
13) Acetone	2.32	43	237531	139.64	ug/L	99
14) Carbon disulfide	2.48	76	299974	48.90	ug/L	100
15) Methyl Acetate	2.62	43	131811	50.64	ug/L	98
16) Methylene chloride	2.70	84	122553	51.40	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	110898	50.42	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	384367	50.22	ug/L	100
19) 1,1-Dichloroethane	3.45	63	212834	50.83	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	130656	51.43	ug/L	98
22) 2-Butanone	4.26	43	252290	125.37	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	66786	51.14	ug/L	97
25) Chloroform	4.68	83	230819	51.63	ug/L	99
27) 1,2-Dichloroethane	5.41	62	191070	51.00	ug/L	100
29) Cyclohexane	5.00	56	196092	48.93	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	202129	48.82	ug/L	99
31) Carbon tetrachloride	5.14	117	184935	51.10	ug/L	100
33) Benzene	5.39	78	462430	49.19	ug/L	100
34) Trichloroethene	6.19	95	128979	51.57	ug/L	98
35) Methylcyclohexane	6.42	83	207189	49.64	ug/L	99
37) 1,2-Dichloropropane	6.44	63	125143	49.84	ug/L	100
38) Bromodichloromethane	6.76	83	169834	50.89	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	192984	48.53	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	364179	100.68	ug/L	100
42) Toluene	7.64	91	512530	50.16	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	184287	49.82	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	119790	50.00	ug/L	99
46) Tetrachloroethene	8.23	164	107168	50.62	ug/L	97
48) 2-Hexanone	8.36	43	326497	113.46	ug/L	99
49) Dibromochloromethane	8.48	129	145258	51.67	ug/L	99
50) 1,2-Dibromoethane	8.59	107	129562	48.89	ug/L	99
51) Chlorobenzene	9.12	112	338643	49.73	ug/L	99
52) Ethylbenzene	9.25	91	583107	50.74	ug/L	98
53) m,p-Xylene	9.38	106	226060	50.83	ug/L	99
54) o-xylene	9.78	106	225756	50.61	ug/L	98
55) Styrene	9.80	104	376549	51.50	ug/L	99
56) Isopropylbenzene	10.17	105	602660	51.44	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	200096	50.05	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	162640	49.97	ug/L	99
61) Bromoform	9.96	173	108131	50.60	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	275322	50.48	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	276039	50.32	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	288142	50.05	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	48186	50.59	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	208176	51.42	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	173029	51.12	ug/L	100
69) Naphthalene	13.75	128	541278	48.09	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	183172	50.38	ug/L	100

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

