

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072618\
 Data File : VU025642.D
 Acq On : 26 Jul 2018 09:40
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Jul 27 01:54:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 26 19:03:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	293031	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	277667	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	152572	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79490	47.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.04%
7) Chloroethane-d5	1.68	69	66036	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.72%
11) 1,1-Dichloroethene-d2	2.27	63	158709	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
21) 2-Butanone-d5	4.18	46	131897	102.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.13%
24) Chloroform-d	4.65	84	178935	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.31	65	118361	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.06%
32) Benzene-d6	5.35	84	338053	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
36) 1,2-Dichloropropane-d6	6.33	67	109064	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.06%
41) Toluene-d8	7.57	98	327493	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%
43) trans-1,3-Dichloropropene-	7.85	79	55402	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
47) 2-Hexanone-d5	8.31	63	94549	98.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.41%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	154669	48.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	142361	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	118532	41.054	ug/L 99
3) Chloromethane	1.33	50	96225	46.149	ug/L 99
5) Vinyl chloride	1.41	62	95834	41.905	ug/L 99
6) Bromomethane	1.63	94	40229	50.583	ug/L 89
8) Chloroethane	1.70	64	57891	42.990	ug/L 98
9) Trichlorofluoromethane	1.89	101	141578	43.473	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	80491	44.136	ug/L 98
12) 1,1-Dichloroethene	2.28	96	71672	43.340	ug/L 91
13) Acetone	2.32	43	140237	92.511	ug/L 100
14) Carbon disulfide	2.48	76	223968	41.592	ug/L 99
15) Methyl Acetate	2.62	43	92755	44.264	ug/L 99
16) Methylene chloride	2.70	84	88051	42.743	ug/L 98
17) trans-1,2-Dichloroethene	2.99	96	80950	42.515	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	266435	42.966	ug/L 99
19) 1,1-Dichloroethane	3.45	63	157130	43.383	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	93197	43.363	ug/L 95
22) 2-Butanone	4.26	43	152890	90.597	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	49494	43.630	ug/L	97
25) Chloroform	4.68	83	166490	43.684	ug/L	99
27) 1,2-Dichloroethane	5.41	62	135255	43.509	ug/L	98
29) Cyclohexane	5.00	56	133609	41.533	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	147931	42.576	ug/L	99
31) Carbon tetrachloride	5.14	117	138427	43.086	ug/L	99
33) Benzene	5.39	78	343752	43.086	ug/L	100
34) Trichloroethene	6.19	95	93162	44.009	ug/L	96
35) Methylcyclohexane	6.42	83	148163	43.408	ug/L	99
37) 1,2-Dichloropropane	6.44	63	93876	43.059	ug/L	99
38) Bromodichloromethane	6.76	83	126995	44.180	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	145562	43.022	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	255467	89.229	ug/L	99
42) Toluene	7.64	91	373983	43.467	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	142056	44.531	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	88005	42.083	ug/L	99
46) Tetrachloroethene	8.23	164	79528	43.335	ug/L	98
48) 2-Hexanone	8.36	43	223075	92.209	ug/L	99
49) Dibromochloromethane	8.48	129	108490	44.226	ug/L	98
50) 1,2-Dibromoethane	8.59	107	98189	43.582	ug/L	97
51) Chlorobenzene	9.12	112	254775	43.985	ug/L	99
52) Ethylbenzene	9.25	91	419778	44.205	ug/L	100
53) m,p-Xylene	9.38	106	164481	45.219	ug/L	99
54) o-xylene	9.78	106	159092	43.104	ug/L	98
55) Styrene	9.80	104	277192	46.112	ug/L	99
56) Isopropylbenzene	10.17	105	425313	44.652	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	146131	43.321	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	111984	43.730	ug/L	100
61) Bromoform	9.96	173	82016	41.559	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	210868	43.693	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	213791	43.397	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	216670	42.854	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	32952	41.440	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	170736	45.832	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	148927	47.567	ug/L	98
69) Naphthalene	13.75	128	418626	44.462	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	150809	45.566	ug/L	100

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

