

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026870.D
 Acq On : 18 Sep 2018 18:20
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Sep 19 05:10:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	247186	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	238800	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	121136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82954	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.68	69	75805	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.86%
11) 1,1-Dichloroethene-d2	2.27	63	165749	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
21) 2-Butanone-d5	4.18	46	139692	115.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.12%
24) Chloroform-d	4.65	84	172952	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
26) 1,2-Dichloroethane-d4	5.31	65	108726	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
32) Benzene-d6	5.34	84	343323	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.33	67	111889	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.57	98	315915	52.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.50%
43) trans-1,3-Dichloropropene-	7.85	79	49136	51.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.08%
47) 2-Hexanone-d5	8.31	63	105138	124.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	156608	52.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	128253	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	108948	46.637	ug/L 100
3) Chloromethane	1.33	50	118234	49.617	ug/L 98
5) Vinyl chloride	1.40	62	117834	50.812	ug/L 100
6) Bromomethane	1.62	94	44206	38.595	ug/L 99
8) Chloroethane	1.69	64	73118	50.314	ug/L 97
9) Trichlorofluoromethane	1.88	101	144016	49.983	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	81175	47.560	ug/L 98
12) 1,1-Dichloroethene	2.28	96	78924	49.236	ug/L 93
13) Acetone	2.32	43	100716	84.445	ug/L 100
14) Carbon disulfide	2.48	76	270058	48.821	ug/L 100
15) Methyl Acetate	2.61	43	113787	55.064	ug/L 99
16) Methylene chloride	2.70	84	101594	49.857	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	89447	50.665	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	278084	53.864	ug/L 99
19) 1,1-Dichloroethane	3.45	63	174737	51.316	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	101220	52.130	ug/L 99
22) 2-Butanone	4.26	43	154606	105.117	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	52256	49.844	ug/L	98
25) Chloroform	4.68	83	174278	50.532	ug/L	97
27) 1,2-Dichloroethane	5.41	62	136133	50.582	ug/L	100
29) Cyclohexane	5.00	56	148013	53.383	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	145112	51.079	ug/L	100
31) Carbon tetrachloride	5.13	117	128470	50.463	ug/L	98
33) Benzene	5.39	78	389111	52.556	ug/L	100
34) Trichloroethene	6.19	95	91558	51.535	ug/L	96
35) Methylcyclohexane	6.42	83	147897	51.069	ug/L	99
37) 1,2-Dichloropropane	6.43	63	106282	52.258	ug/L	100
38) Bromodichloromethane	6.76	83	128131	50.802	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	148302	51.620	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	282277	116.808	ug/L	100
42) Toluene	7.64	91	400704	53.482	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	138804	51.600	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	95228	51.357	ug/L	98
46) Tetrachloroethene	8.23	164	80071	50.840	ug/L	99
48) 2-Hexanone	8.36	43	222546	114.167	ug/L	99
49) Dibromochloromethane	8.48	129	107737	51.330	ug/L	97
50) 1,2-Dibromoethane	8.59	107	100268	51.870	ug/L	98
51) Chlorobenzene	9.12	112	273166	53.732	ug/L	100
52) Ethylbenzene	9.25	91	422581	53.844	ug/L	100
53) m,p-Xylene	9.38	106	165944	55.002	ug/L	98
54) o-xylene	9.78	106	162339	55.224	ug/L	95
55) Styrene	9.79	104	280881	55.343	ug/L	99
56) Isopropylbenzene	10.17	105	413367	55.049	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	162004	51.946	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	126792	52.046	ug/L	99
61) Bromoform	9.96	173	80342	50.436	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	195605	52.970	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	217200	53.415	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	215643	52.739	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	32483	52.365	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	147968	51.780	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	132545	53.825	ug/L	99
69) Naphthalene	13.74	128	417139	57.499	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	147834	54.516	ug/L	99

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

