

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
 Data File : VU028860.D
 Acq On : 21 Dec 2018 09:25
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Dec 21 23:27:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 18:12:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	199076	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	189213	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89834	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75275	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.34%
7) Chloroethane-d5	1.67	69	60194	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.66%
11) 1,1-Dichloroethene-d2	2.27	63	130023	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.88%
21) 2-Butanone-d5	4.17	46	120831	108.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.06%
24) Chloroform-d	4.65	84	128198	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	5.31	65	76592	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
32) Benzene-d6	5.34	84	273209	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
36) 1,2-Dichloropropane-d6	6.33	67	93368	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.56	98	245430	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.85	79	41346	50.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.62%
47) 2-Hexanone-d5	8.31	63	93611	108.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	128350	50.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	91377	50.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.58%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	83569	51.481 ug/L	100
3) Chloromethane	1.33	50	104302	47.252 ug/L	99
5) Vinyl chloride	1.40	62	99437	50.993 ug/L	99
6) Bromomethane	1.61	94	41362	49.796 ug/L	98
8) Chloroethane	1.69	64	56654	50.900 ug/L	100
9) Trichlorofluoromethane	1.88	101	103466	51.887 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67742	52.506 ug/L	99
12) 1,1-Dichloroethene	2.28	96	64215	50.309 ug/L	89
13) Acetone	2.32	43	126794	111.269 ug/L	100
14) Carbon disulfide	2.47	76	220333	49.431 ug/L	100
15) Methyl Acetate	2.61	43	90311	50.835 ug/L	99
16) Methylene chloride	2.70	84	80458	51.114 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	71424	51.649 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	223860	52.643 ug/L	99
19) 1,1-Dichloroethane	3.44	63	138492	51.518 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	81201	51.835 ug/L	97
22) 2-Butanone	4.26	43	152867	110.163 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38181	51.128	ug/L	96
25) Chloroform	4.67	83	130990	51.195	ug/L	98
27) 1,2-Dichloroethane	5.40	62	98301	51.696	ug/L	99
29) Cyclohexane	4.99	56	132016	52.422	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	102442	51.152	ug/L	98
31) Carbon tetrachloride	5.13	117	81804	50.654	ug/L	99
33) Benzene	5.39	78	317395	52.690	ug/L	100
34) Trichloroethene	6.18	95	76117	52.339	ug/L	97
35) Methylcyclohexane	6.41	83	131289	54.203	ug/L	99
37) 1,2-Dichloropropane	6.43	63	88449	52.527	ug/L	100
38) Bromodichloromethane	6.76	83	97896	52.499	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	126198	52.568	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	244065	107.835	ug/L	99
42) Toluene	7.64	91	327292	53.599	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	113808	53.183	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	75537	52.466	ug/L	99
46) Tetrachloroethene	8.22	164	59185	52.841	ug/L	98
48) 2-Hexanone	8.36	43	203072	109.318	ug/L	99
49) Dibromochloromethane	8.48	129	73464	51.227	ug/L	99
50) 1,2-Dibromoethane	8.58	107	79457	53.044	ug/L	99
51) Chlorobenzene	9.12	112	202129	52.522	ug/L	99
52) Ethylbenzene	9.25	91	350333	53.394	ug/L	98
53) m,p-Xylene	9.37	106	131763	54.306	ug/L	99
54) o-xylene	9.78	106	131792	54.196	ug/L	99
55) Styrene	9.79	104	221991	53.901	ug/L	98
56) Isopropylbenzene	10.17	105	332586	53.914	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	134367	51.373	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	103311	51.412	ug/L	100
61) Bromoform	9.96	173	55811	50.117	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	149471	52.378	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	152703	51.938	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	156162	52.458	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	25282	49.235	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	112785	53.604	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	97471	55.320	ug/L	98
69) Naphthalene	13.74	128	331699	54.224	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	104904	55.215	ug/L	97

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

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