

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122118\
 Data File : VU028883.D
 Acq On : 21 Dec 2018 19:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Dec 21 23:33:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187131	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83941	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74271	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.02%
7) Chloroethane-d5	1.67	69	58338	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.70%
11) 1,1-Dichloroethene-d2	2.27	63	126249	50.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.08%
21) 2-Butanone-d5	4.18	46	125445	119.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.35%
24) Chloroform-d	4.65	84	124551	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.31	65	76098	52.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.66%
32) Benzene-d6	5.34	84	268336	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.33	67	92494	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.96%
41) Toluene-d8	7.56	98	237976	51.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.16%
43) trans-1,3-Dichloropropene-	7.85	79	39044	50.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.76%
47) 2-Hexanone-d5	8.31	63	97111	118.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.21%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129869	54.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	90147	53.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	75192	49.277 ug/L	99
3) Chloromethane	1.33	50	101601	48.967 ug/L	98
5) Vinyl chloride	1.40	62	94557	51.586 ug/L	99
6) Bromomethane	1.61	94	38663	49.518 ug/L	97
8) Chloroethane	1.68	64	53824	51.444 ug/L	100
9) Trichlorofluoromethane	1.88	101	97021	51.760 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	59620	49.160 ug/L	97
12) 1,1-Dichloroethene	2.28	96	60769	50.648 ug/L	96
13) Acetone	2.32	43	75176	70.182 ug/L	99
14) Carbon disulfide	2.47	76	203823	48.646 ug/L	100
15) Methyl Acetate	2.62	43	89385	53.525 ug/L	99
16) Methylene chloride	2.70	84	76297	51.564 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	65921	50.712 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	214722	53.718 ug/L	99
19) 1,1-Dichloroethane	3.44	63	132307	52.359 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	77521	52.645 ug/L	99
22) 2-Butanone	4.26	43	127967	98.106 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36291	51.699	ug/L	97
25) Chloroform	4.67	83	124757	51.872	ug/L	99
27) 1,2-Dichloroethane	5.40	62	94725	52.995	ug/L	99
29) Cyclohexane	4.99	56	120147	50.090	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	98317	51.542	ug/L	99
31) Carbon tetrachloride	5.13	117	78170	50.819	ug/L	100
33) Benzene	5.39	78	303786	52.947	ug/L	100
34) Trichloroethene	6.18	95	70489	50.888	ug/L	98
35) Methylcyclohexane	6.41	83	113132	49.037	ug/L	100
37) 1,2-Dichloropropane	6.43	63	84643	52.775	ug/L	100
38) Bromodichloromethane	6.76	83	92255	51.942	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	116459	50.932	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	241135	111.857	ug/L	99
42) Toluene	7.64	91	310850	53.447	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	104540	51.290	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	73145	53.340	ug/L	99
46) Tetrachloroethene	8.22	164	54262	50.863	ug/L	99
48) 2-Hexanone	8.36	43	187037	105.710	ug/L	99
49) Dibromochloromethane	8.48	129	69738	51.056	ug/L	99
50) 1,2-Dibromoethane	8.58	107	76451	53.584	ug/L	99
51) Chlorobenzene	9.12	112	189732	51.761	ug/L	100
52) Ethylbenzene	9.25	91	327221	52.360	ug/L	99
53) m,p-Xylene	9.37	106	121045	52.378	ug/L	98
54) o-xylene	9.78	106	123728	53.419	ug/L	100
55) Styrene	9.79	104	209488	53.403	ug/L	97
56) Isopropylbenzene	10.16	105	309953	52.752	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	131691	52.862	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	100624	52.574	ug/L	100
61) Bromoform	9.96	173	52256	50.219	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	136822	51.311	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	138918	50.566	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	145767	52.404	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	25006	52.117	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	100093	50.911	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	85219	51.762	ug/L	98
69) Naphthalene	13.74	128	308699	54.006	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	92189	51.929	ug/L	99

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

