

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038812.D
 Acq On : 11 Jun 2020 05:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Jun 11 07:15:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 07:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	543912	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	531136	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	264136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	117624	38.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.42%
7) Chloroethane-d5	1.93	69	104593	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.74%
11) 1,1-Dichloroethene-d2	2.59	63	279043	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
21) 2-Butanone-d5	4.66	46	316857	107.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.18%
24) Chloroform-d	5.10	84	315876	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
26) 1,2-Dichloroethane-d4	5.74	65	207254	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
32) Benzene-d6	5.76	84	580216	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.70%
36) 1,2-Dichloropropane-d6	6.72	67	186495	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.60%
41) Toluene-d8	7.92	98	509706	44.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.18%
43) trans-1,3-Dichloropropene-	8.20	79	90648	45.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.32%
47) 2-Hexanone-d5	8.65	63	225696	107.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.53%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	294339	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
64) 1,2-Dichlorobenzene-d4	12.20	152	218725	47.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	181919	42.237	ug/L 99
3) Chloromethane	1.53	50	189018	45.492	ug/L 100
5) Vinyl chloride	1.62	62	201035	46.198	ug/L 99
6) Bromomethane	1.87	94	108460	47.857	ug/L 99
8) Chloroethane	1.95	64	127568	50.112	ug/L 99
9) Trichlorofluoromethane	2.16	101	272363	45.449	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	135326	38.741	ug/L 96
12) 1,1-Dichloroethene	2.61	96	160847	46.720	ug/L 94
13) Acetone	2.66	43	247175	103.752	ug/L 98
14) Carbon disulfide	2.82	76	509780	45.727	ug/L 100
15) Methyl Acetate	2.98	43	258997	52.023	ug/L 99
16) Methylene chloride	3.08	84	205574	50.293	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	181194	48.096	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	640304	52.566	ug/L 100
19) 1,1-Dichloroethane	3.91	63	356111	49.885	ug/L 97
20) cis-1,2-Dichloroethene	4.70	96	207043	49.716	ug/L 99
22) 2-Butanone	4.74	43	390355	106.844	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	107669	52.197	ug/L	95
25) Chloroform	5.12	83	365057	51.097	ug/L	98
27) 1,2-Dichloroethane	5.83	62	307354	52.004	ug/L	99
29) Cyclohexane	5.42	56	228427	37.591	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	304057	48.720	ug/L	100
31) Carbon tetrachloride	5.56	117	240031	46.460	ug/L	100
33) Benzene	5.81	78	788184	49.972	ug/L	100
34) Trichloroethene	6.57	95	192209	47.915	ug/L	98
35) Methylcyclohexane	6.79	83	217300	35.919	ug/L	100
37) 1,2-Dichloropropane	6.82	63	207036	50.373	ug/L	99
38) Bromodichloromethane	7.13	83	273292	51.869	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	309639	48.850	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	669968	104.269	ug/L	100
42) Toluene	7.99	91	800538	48.542	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	302694	49.856	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	205548	51.959	ug/L	99
46) Tetrachloroethene	8.57	164	127326	43.996	ug/L	98
48) 2-Hexanone	8.70	43	568310	106.996	ug/L	100
49) Dibromochloromethane	8.83	129	214923	52.901	ug/L	97
50) 1,2-Dibromoethane	8.94	107	223391	52.538	ug/L	97
51) Chlorobenzene	9.47	112	515704	48.675	ug/L	98
52) Ethylbenzene	9.59	91	842235	46.274	ug/L	99
53) m,p-Xylene	9.71	106	322569	46.169	ug/L	97
54) o-xylene	10.11	106	329129	48.526	ug/L	97
55) Styrene	10.13	104	574676	48.875	ug/L	96
56) Isopropylbenzene	10.50	105	784381	44.310	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	341042	50.656	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	300296	52.109	ug/L	100
61) Bromoform	10.31	173	157573	54.391	ug/L	98
62) 1,3-Dichlorobenzene	11.75	146	387621	47.548	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	394737	47.818	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	400869	49.405	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	93103	55.370	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	268399	45.831	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	260286	47.146	ug/L	99
69) Naphthalene	14.11	128	1049960	53.796	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	278825	50.339	ug/L	99

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

