

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052920\
 Data File : VU038367.D
 Acq On : 29 May 2020 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: May 29 16:34:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 04:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	639429	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	629280	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	315551	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	162092	40.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.76%
7) Chloroethane-d5	1.93	69	131192	42.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.59	63	356498	43.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.90%
21) 2-Butanone-d5	4.66	46	349731	91.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.70%
24) Chloroform-d	5.10	84	358555	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
26) 1,2-Dichloroethane-d4	5.74	65	229465	42.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.96%
32) Benzene-d6	5.76	84	701594	42.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.82%
36) 1,2-Dichloropropane-d6	6.72	67	218774	43.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.32%
41) Toluene-d8	7.93	98	634121	43.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.74%
43) trans-1,3-Dichloropropene-	8.20	79	112014	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.78%
47) 2-Hexanone-d5	8.66	63	243210	91.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.14%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	325118	43.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	253187	43.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.58%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	234213	48.66	ug/L	99
3) Chloromethane	1.53	50	213236	48.07	ug/L	98
5) Vinyl chloride	1.62	62	235251	48.01	ug/L	99
6) Bromomethane	1.87	94	110793	55.26	ug/L	97
8) Chloroethane	1.95	64	141155	47.14	ug/L	98
9) Trichlorofluoromethane	2.16	101	327449	49.86	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	196409	50.02	ug/L	99
12) 1,1-Dichloroethene	2.60	96	189319	48.83	ug/L	95
13) Acetone	2.66	43	368814	116.38	ug/L	98
14) Carbon disulfide	2.82	76	604356	47.80	ug/L	99
15) Methyl Acetate	2.98	43	272338	47.94	ug/L	100
16) Methylene chloride	3.08	84	213190	47.86	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	201596	48.41	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	650865	48.74	ug/L	100
19) 1,1-Dichloroethane	3.91	63	380103	48.20	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	221261	48.50	ug/L	99
22) 2-Butanone	4.75	43	462663	104.14	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	108004	47.82	ug/L	93
25) Chloroform	5.12	83	381050	46.99	ug/L	100
27) 1,2-Dichloroethane	5.83	62	311814	47.49	ug/L	100
29) Cyclohexane	5.43	56	358141	49.64	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	336049	49.11	ug/L	100
31) Carbon tetrachloride	5.56	117	281363	49.34	ug/L	100
33) Benzene	5.81	78	858097	48.55	ug/L	100
34) Trichloroethene	6.57	95	218769	48.38	ug/L	99
35) Methylcyclohexane	6.79	83	352846	49.70	ug/L	98
37) 1,2-Dichloropropane	6.82	63	223144	48.68	ug/L	100
38) Bromodichloromethane	7.13	83	283666	48.29	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	351969	48.26	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	707933	97.11	ug/L	100
42) Toluene	8.00	91	920871	49.63	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	336841	49.34	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	210805	48.46	ug/L	99
46) Tetrachloroethene	8.58	164	163954	49.59	ug/L	98
48) 2-Hexanone	8.71	43	612864	99.57	ug/L	100
49) Dibromochloromethane	8.84	129	217139	49.30	ug/L	96
50) 1,2-Dibromoethane	8.95	107	224099	47.93	ug/L	96
51) Chlorobenzene	9.47	112	578745	48.53	ug/L	99
52) Ethylbenzene	9.59	91	1027079	49.40	ug/L	99
53) m,p-Xylene	9.72	106	399327	50.23	ug/L	99
54) o-xylene	10.12	106	383854	49.66	ug/L	100
55) Styrene	10.13	104	663069	49.91	ug/L	100
56) Isopropylbenzene	10.50	105	1014389	50.22	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	355894	47.81	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	307017	47.90	ug/L	99
61) Bromoform	10.31	173	152771	48.19	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	453267	49.14	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	459271	48.98	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	443682	48.50	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	90344	48.24	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	334552	50.96	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	314353	49.92	ug/L	98
69) Naphthalene	14.12	128	1130275	50.13	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	314425	49.99	ug/L	99

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

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