

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052920\
 Data File : VU038376.D
 Acq On : 29 May 2020 13:30
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: May 29 16:34:43 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	613059	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	596812	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	299112	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	168655	43.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.64%
7) Chloroethane-d5	1.93	69	136269	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.66%
11) 1,1-Dichloroethene-d2	2.59	63	358284	45.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.10%
21) 2-Butanone-d5	4.67	46	397264	108.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.64%
24) Chloroform-d	5.10	84	377428	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.88%
26) 1,2-Dichloroethane-d4	5.74	65	248526	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
32) Benzene-d6	5.76	84	741179	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.72	67	232556	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.76%
41) Toluene-d8	7.92	98	659739	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	8.20	79	119003	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.46%
47) 2-Hexanone-d5	8.66	63	274301	108.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.38%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	354617	49.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.70%
64) 1,2-Dichlorobenzene-d4	12.21	152	267633	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	216992	47.02	ug/L	99
3) Chloromethane	1.53	50	213042	50.09	ug/L	99
5) Vinyl chloride	1.62	62	229941	48.94	ug/L	99
6) Bromomethane	1.87	94	112951	58.76	ug/L	97
8) Chloroethane	1.95	64	134970	47.01	ug/L	100
9) Trichlorofluoromethane	2.16	101	308354	48.97	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	181481	48.20	ug/L	100
12) 1,1-Dichloroethene	2.60	96	182632	49.13	ug/L	94
13) Acetone	2.66	43	265951	87.53	ug/L	99
14) Carbon disulfide	2.82	76	578713	47.74	ug/L	100
15) Methyl Acetate	2.98	43	283469	52.05	ug/L	98
16) Methylene chloride	3.08	84	217800	50.99	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	199567	49.98	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	665867	52.01	ug/L	99
19) 1,1-Dichloroethane	3.91	63	383302	50.70	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	222018	50.76	ug/L	97
22) 2-Butanone	4.75	43	427780	100.43	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	110819	51.18	ug/L	99
25) Chloroform	5.13	83	382382	49.18	ug/L	98
27) 1,2-Dichloroethane	5.83	62	315125	50.05	ug/L	99
29) Cyclohexane	5.42	56	329101	48.09	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	328232	50.58	ug/L	99
31) Carbon tetrachloride	5.56	117	268476	49.64	ug/L	100
33) Benzene	5.81	78	858994	51.25	ug/L	100
34) Trichloroethene	6.57	95	215031	50.14	ug/L	97
35) Methylcyclohexane	6.79	83	326744	48.53	ug/L	99
37) 1,2-Dichloropropane	6.82	63	221715	51.00	ug/L	100
38) Bromodichloromethane	7.13	83	290321	52.11	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	347061	50.17	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	733543	106.10	ug/L	99
42) Toluene	8.00	91	901096	51.21	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	338845	52.33	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	215661	52.28	ug/L	98
46) Tetrachloroethene	8.58	164	152259	48.56	ug/L	97
48) 2-Hexanone	8.71	43	612105	104.86	ug/L	99
49) Dibromochloromethane	8.83	129	218468	52.30	ug/L	99
50) 1,2-Dibromoethane	8.95	107	228360	51.50	ug/L	98
51) Chlorobenzene	9.47	112	562099	49.70	ug/L	99
52) Ethylbenzene	9.59	91	989444	50.18	ug/L	99
53) m,p-Xylene	9.71	106	381901	50.65	ug/L	96
54) o-xylene	10.12	106	374365	51.07	ug/L	98
55) Styrene	10.13	104	649101	51.52	ug/L	98
56) Isopropylbenzene	10.50	105	955509	49.87	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	362265	51.32	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	314027	51.66	ug/L	99
61) Bromoform	10.31	173	158088	52.61	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	440177	50.34	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	447011	50.29	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	440476	50.80	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	95078	53.56	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	318849	51.24	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	301094	50.45	ug/L	99
69) Naphthalene	14.12	128	1148394	53.74	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	308482	51.74	ug/L	99

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

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