

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052820\
 Data File : VU038340.D
 Acq On : 28 May 2020 12:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: May 29 04:27:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 04:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	475365	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	463494	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	233621	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	145823	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.74%
7) Chloroethane-d5	1.93	69	115585	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.26%
11) 1,1-Dichloroethene-d2	2.59	63	299817	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.32%
21) 2-Butanone-d5	4.66	46	292964	103.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.33%
24) Chloroform-d	5.10	84	298658	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.74	65	195926	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
32) Benzene-d6	5.76	84	599026	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
36) 1,2-Dichloropropane-d6	6.72	67	190869	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.92	98	537243	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	8.20	79	93523	50.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.64%
47) 2-Hexanone-d5	8.66	63	207870	105.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	272205	49.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.54%
64) 1,2-Dichlorobenzene-d4	12.21	152	217843	50.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.62%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	181334	50.68	ug/L	97
3) Chloromethane	1.53	50	162575	49.30	ug/L	100
5) Vinyl chloride	1.62	62	181943	49.94	ug/L	99
6) Bromomethane	1.87	94	82247	55.18	ug/L	98
8) Chloroethane	1.95	64	108516	48.75	ug/L	99
9) Trichlorofluoromethane	2.16	101	245778	50.34	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	150383	51.51	ug/L	98
12) 1,1-Dichloroethene	2.60	96	145401	50.45	ug/L	90
13) Acetone	2.66	43	272664	115.74	ug/L	97
14) Carbon disulfide	2.82	76	471811	50.19	ug/L	100
15) Methyl Acetate	2.98	43	207947	49.24	ug/L	100
16) Methylene chloride	3.08	84	162351	49.02	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	156428	50.53	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	490765	49.44	ug/L	99
19) 1,1-Dichloroethane	3.91	63	289716	49.42	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	171327	50.52	ug/L	100
22) 2-Butanone	4.75	43	345062	104.47	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	82395	49.07	ug/L	97
25) Chloroform	5.12	83	287678	47.72	ug/L	99
27) 1,2-Dichloroethane	5.83	62	233247	47.78	ug/L	98
29) Cyclohexane	5.42	56	273453	51.46	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	253228	50.24	ug/L	100
31) Carbon tetrachloride	5.56	117	212739	50.65	ug/L	99
33) Benzene	5.81	78	655148	50.33	ug/L	100
34) Trichloroethene	6.57	95	167721	50.36	ug/L	98
35) Methylcyclohexane	6.79	83	263524	50.39	ug/L	98
37) 1,2-Dichloropropane	6.82	63	167794	49.70	ug/L	100
38) Bromodichloromethane	7.13	83	214312	49.54	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	263905	49.12	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	541030	100.77	ug/L	99
42) Toluene	7.99	91	690456	50.52	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	255191	50.75	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	162221	50.63	ug/L	99
46) Tetrachloroethene	8.57	164	122834	50.45	ug/L	98
48) 2-Hexanone	8.71	43	469514	103.57	ug/L	99
49) Dibromochloromethane	8.83	129	162454	50.08	ug/L	100
50) 1,2-Dibromoethane	8.94	107	171321	49.75	ug/L	99
51) Chlorobenzene	9.47	112	437242	49.78	ug/L	99
52) Ethylbenzene	9.59	91	773176	50.49	ug/L	98
53) m,p-Xylene	9.71	106	298622	50.99	ug/L	99
54) o-xylene	10.12	106	288168	50.61	ug/L	99
55) Styrene	10.13	104	502932	51.40	ug/L	100
56) Isopropylbenzene	10.50	105	754976	50.74	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	274126	50.00	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	232898	49.33	ug/L	99
61) Bromoform	10.31	173	113293	48.27	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	347513	50.88	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	346803	49.96	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	339701	50.16	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	69708	50.28	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	251470	51.74	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	243206	52.17	ug/L	98
69) Naphthalene	14.12	128	887957	53.20	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	244180	52.43	ug/L	99

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

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