Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030220\
Data File : VU036989.D
Acq On : 02 Mar 2020 11:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD05041

Manual Integrations APPROVED
MMDadoda
3/3/2020 11:49:40 AM

Quant Time: Mar 03 03:21:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 02 16:58:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	281847	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	264705	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	115913	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	101275	42.79	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.58%			
7) Chloroethane-d5	1.93	69	90746	46.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.68%			
11) 1,1-Dichloroethene-d2	2.59	63	180574	45.56	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.12%			
21) 2-Butanone-d5	4.67	46	165640	104.33	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.33%			
24) Chloroform-d	5.11	84	188218	52.08	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.16%			
26) 1,2-Dichloroethane-d4	5.74	65	122994	50.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.56%			
32) Benzene-d6	5.76	84	388172	50.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.42%			
36) 1,2-Dichloropropane-d6	6.72	67	128625	51.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.74%			
41) Toluene-d8	7.93	98	362809	51.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.18%			
43) trans-1,3-Dichloropropene-	8.20	79	58996	51.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.38%			
47) 2-Hexanone-d5	8.66	63	123938	102.21	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.21%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	185056	52.93	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.86%			
64) 1,2-Dichlorobenzene-d4	12.21	152	117861	52.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	121661	50.890	ug/L	100
3) Chloromethane	1.54	50	132596	48.210	ug/L	99
5) Vinyl chloride	1.62	62	144440	50.914	ug/L	100
6) Bromomethane	1.87	94	80332	55.190	ug/L	99
8) Chloroethane	1.95	64	88171	51.848	ug/L	100
9) Trichlorofluoromethane	2.16	101	159286	52.940	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	97522	54.183	ug/L	99
12) 1,1-Dichloroethene	2.60	96	91999	50.536	ug/L	94
13) Acetone	2.65	43	164063	100.463	ug/L	98
14) Carbon disulfide	2.82	76	271345	47.110	ug/L	100
15) Methyl Acetate	2.98	43	128921	51.793	ug/L	99
16) Methylene chloride	3.08	84	114163	51.415	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	98687	50.464	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	324731	51.083	ug/L	98
19) 1,1-Dichloroethane	3.91	63	197286	51.918	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	112554	51.473	ug/L	99
22) 2-Butanone	4.75	43	206540	104.882	ug/L	100

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	5.02	128	52971m	53.491 ug/L	
25) Chloroform	5.13	83	192903	52.613 ug/L	100
27) 1,2-Dichloroethane	5.83	62	155617	52.134 ug/L	100
29) Cyclohexane	5.43	56	174255	49.608 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	149834	52.795 ug/L	98
31) Carbon tetrachloride	5.56	117	116793	52.504 ug/L	100
33) Benzene	5.81	78	443446	53.028 ug/L	100
34) Trichloroethene	6.57	95	110408	53.717 ug/L	99
35) Methylcyclohexane	6.79	83	182743	51.280 ug/L	100
37) 1,2-Dichloropropane	6.83	63	119473	53.061 ug/L	100
38) Bromodichloromethane	7.14	83	141066	53.076 ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	180181	51.949 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	344193	103.741 ug/L	100
42) Toluene	8.00	91	474747	53.287 ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	158052	52.530 ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	107293	53.586 ug/L	99
46) Tetrachloroethene	8.58	164	71503	52.809 ug/L	97
48) 2-Hexanone	8.71	43	272720	103.006 ug/L	98
49) Dibromochloromethane	8.84	129	103312	54.361 ug/L	99
50) 1,2-Dibromoethane	8.95	107	110103	52.585 ug/L	99
51) Chlorobenzene	9.47	112	277004	52.474 ug/L	99
52) Ethylbenzene	9.59	91	505787	52.369 ug/L	99
53) m,p-Xylene	9.72	106	189062	53.366 ug/L	98
54) o-xylene	10.12	106	183908	52.048 ug/L	100
55) Styrene	10.13	104	309146	53.521 ug/L	99
56) Isopropylbenzene	10.50	105	478469	52.721 ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	188705	52.717 ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	153673	53.054 ug/L	98
61) Bromoform	10.31	173	69779	53.246 ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	200591	53.346 ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	196612	52.923 ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	202638	53.973 ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	39469	52.990 ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	132890	55.678 ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	97752	54.665 ug/L	98
69) Naphthalene	14.12	128	146694	46.472 ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	97704	54.676 ug/L	98

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

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