Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091020\
Data File : VV018184.D
Acq On : 10 Sep 2020 17:04
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL02

Manual Integrations APPROVED
MMDadoda
9/11/2020 10:28:51 AM

Quant Time: Sep 11 03:17:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 11 01:30:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	296545	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293014	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146778	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	101256	41.90	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.80%			
7) Chloroethane-d5	1.58	69	89455	45.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.48%			
11) 1,1-Dichloroethene-d2	2.12	63	154119	34.77	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.54%			
21) 2-Butanone-d5	3.91	46	140870	95.23	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 95.23%			
24) Chloroform-d	4.38	84	186616	44.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.02%			
26) 1,2-Dichloroethane-d4	5.06	65	127180	47.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.64%			
32) Benzene-d6	5.08	84	389956	46.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.98%			
36) 1,2-Dichloropropane-d6	6.09	67	126579	47.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.98%			
41) Toluene-d8	7.34	98	346901	45.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.76%			
43) trans-1,3-Dichloropropene-	7.64	79	59253	43.75	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.50%			
47) 2-Hexanone-d5	8.11	63	90013	89.16	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.16%			
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153068	45.76	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.52%			
64) 1,2-Dichlorobenzene-d4	11.65	152	149940	49.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	4885	2.259	ug/L	97
3) Chloromethane	1.25	50	5345	2.264	ug/L	100
5) Vinyl chloride	1.32	62	5947	2.456	ug/L #	71
6) Bromomethane	1.53	94	3590	2.426	ug/L	95
8) Chloroethane	1.60	64	3610	2.380	ug/L	98
9) Trichlorofluoromethane	1.77	101	7484	2.246	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6032	3.014	ug/L #	84
12) 1,1-Dichloroethene	2.13	96	5452	2.800	ug/L #	1
13) Acetone	2.20	43	6484	5.474	ug/L	94
14) Carbon disulfide	2.31	76	13369	2.244	ug/L	97
15) Methyl Acetate	2.46	43	4376	2.056	ug/L	97
16) Methylene chloride	2.53	84	5585	2.558	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	4459	2.222	ug/L	95
18) Methyl tert-butyl Ether	2.79	73	12675	2.042	ug/L	96
19) 1,1-Dichloroethane	3.22	63	8265	2.178	ug/L	93
20) cis-1,2-Dichloroethene	3.95	96	4873	2.272	ug/L	98
22) 2-Butanone	4.03	43	6558m	4.676	ug/L	

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	4.29	128	2524	2.249 ug/L		90
25) Chloroform	4.41	83	15594	4.043 ug/L		99
27) 1,2-Dichloroethane	5.16	62	7435	2.490 ug/L		100
29) Cyclohexane	4.71	56	6924	2.046 ug/L	#	88
30) 1,1,1-Trichloroethane	4.64	97	7534	2.216 ug/L		98
31) Carbon tetrachloride	4.86	117	6250	2.090 ug/L		95
33) Benzene	5.13	78	19608	2.341 ug/L		100
34) Trichloroethene	5.95	95	5346	2.343 ug/L		98
35) Methylcyclohexane	6.16	83	6693	1.948 ug/L	#	81
37) 1,2-Dichloropropane	6.20	63	4526	2.039 ug/L	#	90
38) Bromodichloromethane	6.54	83	6029	2.087 ug/L	#	96
39) cis-1,3-Dichloropropene	7.06	75	7301	2.135 ug/L		93
40) 4-Methyl-2-pentanone	7.25	43	10400	3.862 ug/L		98
42) Toluene	7.41	91	19818	2.235 ug/L		99
44) trans-1,3-Dichloropropene	7.68	75	7344	2.205 ug/L		97
45) 1,1,2-Trichloroethane	7.87	97	4308	2.094 ug/L		98
46) Tetrachloroethene	8.00	164	4061	2.269 ug/L		94
48) 2-Hexanone	8.16	43	14935	7.034 ug/L		92
49) Dibromochloromethane	8.27	129	4713	2.041 ug/L		99
50) 1,2-Dibromoethane	8.38	107	4836	2.233 ug/L	#	95
51) Chlorobenzene	8.90	112	13006	2.259 ug/L		96
52) Ethylbenzene	9.04	91	19950	2.061 ug/L		99
53) m,p-Xylene	9.16	106	7404	2.049 ug/L		93
54) o-xylene	9.57	106	6632	1.905 ug/L		97
55) Styrene	9.59	104	10790	1.784 ug/L		99
56) Isopropylbenzene	9.95	105	17896	1.908 ug/L		100
58) 1,1,2,2-Tetrachloroethane	10.26	83	7301	2.399 ug/L		97
59) 1,2,3-Trichloropropane	10.30	75	5856	2.243 ug/L		97
61) Bromoform	9.76	173	3113	1.974 ug/L	#	97
62) 1,3-Dichlorobenzene	11.21	146	9948	2.279 ug/L		98
63) 1,4-Dichlorobenzene	11.30	146	11030	2.459 ug/L		95
65) 1,2-Dichlorobenzene	11.67	146	10949	2.482 ug/L		94
66) 1,2-Dibromo-3-chloropropan	12.45	75	1132	1.818 ug/L	#	82
67) 1,3,5-Trichlorobenzene	12.67	180	7872	2.288 ug/L		99
68) 1,2,4-trichlorobenzene	13.29	180	6314	2.061 ug/L		99
69) Naphthalene	13.53	128	12916	1.666 ug/L		99
70) 1,2,3-Trichlorobenzene	13.77	180	6132	2.032 ug/L		97

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

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