Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110320\
Data File : VV019220.D
Acq On : 03 Nov 2020 00:30
Operator : SY/MD
Sample : L4485-15
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

Manual Integrations APPROVED
MMDadoda
11/4/2020 10:44:55 AM

Quant Time: Nov 03 06:23:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 03 05:28:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228644	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218111	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	110334	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	88856	50.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.72%			
7) Chloroethane-d5	1.58	69	73780	53.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.72%			
11) 1,1-Dichloroethene-d2	2.13	63	130511	39.95	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.90%			
21) 2-Butanone-d5	3.91	46	107956	110.96	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.96%			
24) Chloroform-d	4.38	84	165426m	50.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.18%			
26) 1,2-Dichloroethane-d4	5.06	65	118212	51.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.74%			
32) Benzene-d6	5.07	84	309662	51.42	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.84%			
36) 1,2-Dichloropropane-d6	6.09	67	94501	52.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.10%			
41) Toluene-d8	7.33	98	272566	48.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.16%			
43) trans-1,3-Dichloropropene-	7.64	79	50681	49.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.56%			
47) 2-Hexanone-d5	8.11	63	69543	99.62	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 99.62%			
56) 1,1,2,2-Tetrachloroethane-	10.23	84	119543	49.89	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.78%			
66) 1,2-Dichlorobenzene-d4	11.65	152	114640	51.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	2932	2.093	ug/L	91
3) Chloromethane	1.25	50	3448	2.364	ug/L	96
5) Vinyl chloride	1.32	62	3889	2.562	ug/L #	59
6) Bromomethane	1.53	94	2752	2.697	ug/L	96
8) Chloroethane	1.60	64	2909	2.930	ug/L	89
9) Trichlorofluoromethane	1.77	101	5439	2.164	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3384	2.834	ug/L #	73
12) 1,1-Dichloroethene	2.13	96	3987	3.230	ug/L #	1
13) Acetone	2.20	43	3817	5.159	ug/L	75
14) Carbon disulfide	2.31	76	8353	2.357	ug/L	99
15) Methyl Acetate	2.46	43	3363	2.346	ug/L	91
16) Methylene chloride	2.53	84	3797	2.588	ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	3018	2.254	ug/L	90
18) Methyl tert-butyl Ether	2.79	73	10836	2.302	ug/L	100
19) 1,1-Dichloroethane	3.22	63	6132	2.337	ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	3104m	2.098	ug/L	
22) 2-Butanone	4.03	43	4028m	4.289	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.28	128	1865	2.289 ug/L #	79
25) Chloroform	4.40	83	7185	2.554 ug/L	76
27) 1,2-Dichloroethane	5.16	62	5879	2.459 ug/L	97
29) Cyclohexane	4.70	56	3345	1.792 ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	5421	2.143 ug/L	99
31) Carbon tetrachloride	4.86	117	4500	2.060 ug/L	96
33) Benzene	5.13	78	12504	2.307 ug/L	100
34) Trichloroethene	5.95	95	3280	2.227 ug/L	90
35) Methylcyclohexane	6.15	83	3342	1.874 ug/L	84
37) 1,2-Dichloropropane	6.21	63	3138	2.169 ug/L #	84
38) Bromodichloromethane	6.54	83	4906	2.357 ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	4564	1.972 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	7695	3.960 ug/L	98
42) Toluene	7.41	91	14263	2.434 ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	5211	2.197 ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	3040	2.126 ug/L	94
46) Tetrachloroethene	8.00	164	2340	1.947 ug/L	96
48) 2-Hexanone	8.16	43	8859	6.030 ug/L	98
49) Dibromochloromethane	8.27	129	3611	2.118 ug/L	95
50) 1,2-Dibromoethane	8.38	107	3368	2.273 ug/L #	97
51) Chlorobenzene	8.90	112	8986	2.293 ug/L	96
52) Ethylbenzene	9.04	91	12726	1.969 ug/L	94
53) m,p-Xylene	9.16	106	4578	1.892 ug/L	81
54) o-Xylene	9.57	106	4940	2.071 ug/L	84
55) Styrene	9.59	104	7763	1.828 ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.26	83	5180	2.395 ug/L #	98
59) Bromoform	9.75	173	2843	2.322 ug/L #	95
60) Isopropylbenzene	9.95	105	10535	1.822 ug/L	96
61) 1,2,3-Trichloropropane	10.30	75	4052	2.364 ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	8751	1.817 ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	8137	1.727 ug/L	95
64) 1,3-Dichlorobenzene	11.21	146	6493	2.147 ug/L	94
65) 1,4-Dichlorobenzene	11.29	146	7273	2.324 ug/L	96
67) 1,2-Dichlorobenzene	11.67	146	7164	2.315 ug/L #	84
68) 1,2-Dibromo-3-chloropropan	12.45	75	1016	2.032 ug/L	89
69) 1,3,5-Trichlorobenzene	12.67	180	4396	2.025 ug/L	94
70) 1,2,4-trichlorobenzene	13.29	180	3786	1.853 ug/L	93
71) Naphthalene	13.53	128	8156	1.416 ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	3812	1.882 ug/L	95

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

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