Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110420\
Data File : VV019236.D
Acq On : 03 Nov 2020 15:12
Operator : SY/MD
Sample : L4485-19
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL-ME-SOIL-05

Manual Integrations APPROVED
MMDadoda
11/5/2020 7:00:31 PM

Quant Time: Nov 04 07:36:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 04 07:03:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	243642	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	236225	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	121957	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	83679	44.50	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 89.00%			
7) Chloroethane-d5	1.58	69	73135	49.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.28%			
11) 1,1-Dichloroethene-d2	2.12	63	133539	38.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.72%			
21) 2-Butanone-d5	3.90	46	112673	108.68	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.68%			
24) Chloroform-d	4.37	84	166494	47.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.62%			
26) 1,2-Dichloroethane-d4	5.05	65	119482	48.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.46%			
32) Benzene-d6	5.07	84	311864	47.81	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.62%			
36) 1,2-Dichloropropane-d6	6.09	67	98514	50.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.16%			
41) Toluene-d8	7.34	98	284840	46.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.76%			
43) trans-1,3-Dichloropropene-	7.64	79	52486	47.60	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.20%			
47) 2-Hexanone-d5	8.11	63	72901	96.42	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.42%			
56) 1,1,2,2-Tetrachloroethane-	10.23	84	120305	46.36	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.72%			
66) 1,2-Dichlorobenzene-d4	11.65	152	121832	49.93	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	3408	2.283	ug/L	99
3) Chloromethane	1.25	50	3670	2.361	ug/L	96
5) Vinyl chloride	1.32	62	4432	2.739	ug/L #	65
6) Bromomethane	1.53	94	2911	2.677	ug/L	99
8) Chloroethane	1.60	64	2705	2.556	ug/L	89
9) Trichlorofluoromethane	1.77	101	6458	2.411	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4649	3.653	ug/L #	76
12) 1,1-Dichloroethene	2.13	96	4231	3.217	ug/L #	1
13) Acetone	2.19	43	4510	5.720	ug/L	99
14) Carbon disulfide	2.31	76	9378	2.483	ug/L	98
15) Methyl Acetate	2.45	43	3598	2.355	ug/L	94
16) Methylene chloride	2.52	84	4287	2.742	ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	3455	2.421	ug/L	88
18) Methyl tert-butyl Ether	2.78	73	11183	2.230	ug/L	99
19) 1,1-Dichloroethane	3.22	63	6594	2.359	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	3794	2.406	ug/L	82
22) 2-Butanone	4.02	43	3325m	3.322	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	4.29	128	1996	2.299 ug/L		91
25) Chloroform	4.40	83	8455	2.821 ug/L		98
27) 1,2-Dichloroethane	5.16	62	6457	2.534 ug/L		99
29) Cyclohexane	4.70	56	4401	2.177 ug/L		86
30) 1,1,1-Trichloroethane	4.63	97	6203	2.264 ug/L		99
31) Carbon tetrachloride	4.86	117	5560	2.350 ug/L		97
33) Benzene	5.13	78	13348m	2.274 ug/L		
34) Trichloroethene	5.94	95	3897	2.443 ug/L		94
35) Methylcyclohexane	6.15	83	5055	2.618 ug/L		94
37) 1,2-Dichloropropane	6.20	63	3895	2.486 ug/L	#	88
38) Bromodichloromethane	6.53	83	5085	2.255 ug/L		95
39) cis-1,3-Dichloropropene	7.05	75	5546	2.212 ug/L		97
40) 4-Methyl-2-pentanone	7.25	43	8655	4.112 ug/L		97
42) Toluene	7.42	91	16873	2.659 ug/L		98
44) trans-1,3-Dichloropropene	7.68	75	5692	2.216 ug/L		93
45) 1,1,2-Trichloroethane	7.87	97	3430	2.215 ug/L		94
46) Tetrachloroethene	8.00	164	3008	2.311 ug/L		91
48) 2-Hexanone	8.16	43	10045	6.313 ug/L	#	91
49) Dibromochloromethane	8.27	129	4237	2.294 ug/L		92
50) 1,2-Dibromoethane	8.38	107	3802	2.369 ug/L	#	92
51) Chlorobenzene	8.90	112	10211	2.406 ug/L		97
52) Ethylbenzene	9.04	91	15546	2.221 ug/L		98
53) m,p-Xylene	9.16	106	5827	2.223 ug/L		91
54) o-Xylene	9.57	106	5441	2.106 ug/L		98
55) Styrene	9.59	104	9047	1.967 ug/L		98
57) 1,1,2,2-Tetrachloroethane	10.26	83	5476	2.337 ug/L		89
59) Bromoform	9.76	173	2911	2.151 ug/L	#	94
60) Isopropylbenzene	9.95	105	14019	2.193 ug/L		98
61) 1,2,3-Trichloropropane	10.30	75	4525	2.388 ug/L		97
62) 1,3,5-Trimethylbenzene	10.56	105	11126	2.090 ug/L		91
63) 1,2,4-Trimethylbenzene	10.94	105	10844	2.082 ug/L		99
64) 1,3-Dichlorobenzene	11.21	146	8046	2.407 ug/L		95
65) 1,4-Dichlorobenzene	11.29	146	8747	2.529 ug/L		97
67) 1,2-Dichlorobenzene	11.67	146	8657	2.531 ug/L		96
68) 1,2-Dibromo-3-chloropropan	12.46	75	1121	2.028 ug/L	#	82
69) 1,3,5-Trichlorobenzene	12.67	180	5548	2.312 ug/L		98
70) 1,2,4-trichlorobenzene	13.29	180	4608	2.041 ug/L		98
71) Naphthalene	13.53	128	9769	1.534 ug/L		98
72) 1,2,3-Trichlorobenzene	13.77	180	4750	2.122 ug/L		96

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

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