Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110620\
Data File : VV019263.D
Acq On : 04 Nov 2020 23:57
Operator : SY/MD
Sample : L4485-21
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL-ME-SOIL-07

Manual Integrations APPROVED
MMDadoda
11/6/2020 11:03:50 AM

Quant Time: Nov 05 05:22:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 05 04:58:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228051	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218046	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	107041	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	75658	42.99	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.98%			
7) Chloroethane-d5	1.58	69	65543	47.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.06%			
11) 1,1-Dichloroethene-d2	2.12	63	115627	35.48	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.96%			
21) 2-Butanone-d5	3.91	46	112169	115.59	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.59%			
24) Chloroform-d	4.37	84	155356	47.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.34%			
26) 1,2-Dichloroethane-d4	5.05	65	115112	50.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.30%			
32) Benzene-d6	5.07	84	288233	47.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.74%			
36) 1,2-Dichloropropane-d6	6.09	67	93296	51.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.80%			
41) Toluene-d8	7.34	98	251196	44.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.58%			
43) trans-1,3-Dichloropropene-	7.64	79	46229	45.42	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.84%			
47) 2-Hexanone-d5	8.11	63	70029	100.35	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 100.35%			
56) 1,1,2,2-Tetrachloroethane-	10.23	84	115025	48.02	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.04%			
66) 1,2-Dichlorobenzene-d4	11.65	152	107180	50.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	3255	2.330	ug/L	96
3) Chloromethane	1.25	50	3706	2.547	ug/L	90
5) Vinyl chloride	1.32	62	4397	2.904	ug/L #	55
6) Bromomethane	1.53	94	3153	3.098	ug/L	95
8) Chloroethane	1.60	64	3239	3.270	ug/L	98
9) Trichlorofluoromethane	1.77	101	6390	2.549	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4263	3.579	ug/L #	76
12) 1,1-Dichloroethene	2.13	96	4192	3.405	ug/L #	1
13) Acetone	2.19	43	4077	5.524	ug/L	100
14) Carbon disulfide	2.31	76	8552	2.419	ug/L #	95
15) Methyl Acetate	2.46	43	3987	2.788	ug/L	90
16) Methylene chloride	2.52	84	4364	2.982	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	3253	2.436	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	11847	2.523	ug/L	98
19) 1,1-Dichloroethane	3.21	63	6936	2.651	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4046	2.741	ug/L	100
22) 2-Butanone	4.03	43	4321m	4.613	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	4.28	128	2058	2.532 ug/L		92
25) Chloroform	4.41	83	9042	3.223 ug/L		97
27) 1,2-Dichloroethane	5.17	62	6874	2.882 ug/L	#	90
29) Cyclohexane	4.71	56	3794	2.033 ug/L	#	81
30) 1,1,1-Trichloroethane	4.64	97	6451	2.551 ug/L	#	76
31) Carbon tetrachloride	4.86	117	5231m	2.396 ug/L		
33) Benzene	5.13	78	13204	2.437 ug/L		100
34) Trichloroethene	5.94	95	4020	2.730 ug/L		91
35) Methylcyclohexane	6.16	83	4114	2.308 ug/L		98
37) 1,2-Dichloropropane	6.21	63	4007	2.771 ug/L	#	89
38) Bromodichloromethane	6.54	83	5422	2.605 ug/L		100
39) cis-1,3-Dichloropropene	7.05	75	5710	2.468 ug/L		96
40) 4-Methyl-2-pentanone	7.25	43	9442	4.860 ug/L		98
42) Toluene	7.41	91	16072	2.744 ug/L		97
44) trans-1,3-Dichloropropene	7.68	75	5488m	2.314 ug/L		
45) 1,1,2-Trichloroethane	7.86	97	4037	2.824 ug/L		92
46) Tetrachloroethene	8.00	164	2869	2.388 ug/L		95
48) 2-Hexanone	8.16	43	10271	6.993 ug/L	#	94
49) Dibromochloromethane	8.27	129	4297	2.521 ug/L		96
50) 1,2-Dibromoethane	8.38	107	3814	2.574 ug/L	#	89
51) Chlorobenzene	8.91	112	9741	2.486 ug/L		95
52) Ethylbenzene	9.04	91	14972	2.317 ug/L		96
53) m,p-Xylene	9.16	106	5108	2.111 ug/L		94
54) o-Xylene	9.57	106	5150	2.160 ug/L		96
55) Styrene	9.59	104	7983	1.881 ug/L		96
57) 1,1,2,2-Tetrachloroethane	10.26	83	6242	2.886 ug/L	#	95
59) Bromoform	9.76	173	3159	2.659 ug/L	#	96
60) Isopropylbenzene	9.95	105	12822	2.286 ug/L		98
61) 1,2,3-Trichloropropane	10.30	75	5011	3.013 ug/L		98
62) 1,3,5-Trimethylbenzene	10.56	105	9615	2.058 ug/L		95
63) 1,2,4-Trimethylbenzene	10.94	105	9303	2.035 ug/L		96
64) 1,3-Dichlorobenzene	11.21	146	7493	2.553 ug/L		91
65) 1,4-Dichlorobenzene	11.30	146	8246	2.716 ug/L		96
67) 1,2-Dichlorobenzene	11.67	146	8466	2.820 ug/L		98
68) 1,2-Dibromo-3-chloropropan	12.45	75	1219	2.513 ug/L		87
69) 1,3,5-Trichlorobenzene	12.67	180	4890	2.322 ug/L		99
70) 1,2,4-trichlorobenzene	13.29	180	4172	2.105 ug/L		93
71) Naphthalene	13.53	128	10309	1.844 ug/L		99
72) 1,2,3-Trichlorobenzene	13.77	180	4372	2.225 ug/L		100

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

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