Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110320\
Data File : VX019231.D
Acq On : 03 Nov 2020 13:47
Operator : JC/MD
Sample : L4485-18
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MDL-ME-SOIL-04

Manual Integrations APPROVED
MMDadoda
11/5/2020 10:35:40 AM

Quant Time: Nov 04 02:17:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 04 01:20:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	438374	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	405619	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	180509	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	165241	43.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.56%			
7) Chloroethane-d5	1.70	69	134637	48.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.10%			
11) 1,1-Dichloroethene-d2	2.34	63	223134	35.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.66%			
21) 2-Butanone-d5	4.54	46	207667	107.86	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 107.86%			
24) Chloroform-d	5.14	84	278908	45.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.76%			
26) 1,2-Dichloroethane-d4	6.03	65	199432	45.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.34%			
32) Benzene-d6	6.05	84	590984	46.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.86%			
36) 1,2-Dichloropropane-d6	7.37	67	181551	48.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.68%			
41) Toluene-d8	8.70	98	559659	43.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.56%			
43) trans-1,3-Dichloropropene-	8.99	79	93381	47.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.72%			
47) 2-Hexanone-d5	9.43	63	164904	107.38	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 107.38%			
56) 1,1,2,2-Tetrachloroethane-	11.23	84	215132	49.05	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.10%			
66) 1,2-Dichlorobenzene-d4	12.36	152	181630	50.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	6288	2.263	ug/L	99
3) Chloromethane	1.31	50	6927	2.454	ug/L	99
5) Vinyl chloride	1.39	62	8115	2.551	ug/L #	63
6) Bromomethane	1.64	94	5354	2.547	ug/L	95
8) Chloroethane	1.72	64	4844	2.443	ug/L	93
9) Trichlorofluoromethane	1.92	101	10829	2.294	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7940	2.916	ug/L #	83
12) 1,1-Dichloroethene	2.36	96	7440	2.816	ug/L #	1
13) Acetone	2.43	43	6032	5.069	ug/L	99
14) Carbon disulfide	2.56	76	17104	2.145	ug/L	98
15) Methyl Acetate	2.75	43	6728	2.591	ug/L	96
16) Methylene chloride	2.84	84	7782	2.642	ug/L	99
17) trans-1,2-Dichloroethene	3.15	96	6416	2.259	ug/L	96
18) Methyl tert-butyl Ether	3.17	73	20701	2.306	ug/L	95
19) 1,1-Dichloroethane	3.67	63	11551	2.289	ug/L	97
20) cis-1,2-Dichloroethene	4.57	96	7276	2.332	ug/L	95
22) 2-Butanone	4.65	43	8553	4.552	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.98	128	3645	2.320 ug/L	91
25) Chloroform	5.18	83	24323	4.592 ug/L	99
27) 1,2-Dichloroethane	6.16	62	10370	2.486 ug/L	97
29) Cyclohexane	5.55	56	10408	2.229 ug/L	100
30) 1,1,1-Trichloroethane	5.45	97	10769m	2.202 ug/L	
31) Carbon tetrachloride	5.76	117	9092	2.164 ug/L	98
33) Benzene	6.12	78	26841	2.305 ug/L	100
34) Trichloroethene	7.19	95	7377	2.321 ug/L	96
35) Methylcyclohexane	7.44	83	10907	2.168 ug/L	100
37) 1,2-Dichloropropane	7.49	63	6989	2.416 ug/L	97
38) Bromodichloromethane	7.87	83	9069	2.254 ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	10645	2.215 ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	17094	4.832 ug/L	100
42) Toluene	8.76	91	36829	2.907 ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	10940	2.337 ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	6741	2.372 ug/L	96
46) Tetrachloroethene	9.32	164	5373	2.241 ug/L	97
48) 2-Hexanone	9.48	43	16380	5.876 ug/L	95
49) Dibromochloromethane	9.56	129	6367	2.048 ug/L	94
50) 1,2-Dibromoethane	9.65	107	6974	2.347 ug/L	96
51) Chlorobenzene	10.12	112	18616	2.363 ug/L	96
52) Ethylbenzene	10.23	91	31322	2.287 ug/L	99
53) m,p-Xylene	10.34	106	11665	2.267 ug/L	93
54) o-Xylene	10.68	106	10945	2.197 ug/L	98
55) Styrene	10.70	104	17285	2.057 ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.25	83	9678	2.485 ug/L #	95
59) Bromoform	10.84	173	4010	2.051 ug/L	98
60) Isopropylbenzene	11.00	105	29222	2.385 ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	7926	2.578 ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	22662	2.249 ug/L	96
63) 1,2,4-Trimethylbenzene	11.79	105	21967	2.304 ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	12241	2.314 ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	12435	2.317 ug/L	94
67) 1,2-Dichlorobenzene	12.37	146	12296	2.401 ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.98	75	1774	2.119 ug/L	94
69) 1,3,5-Trichlorobenzene	13.15	180	8335	2.250 ug/L	94
70) 1,2,4-trichlorobenzene	13.63	180	7492	2.194 ug/L	99
71) Naphthalene	13.82	128	23047	2.088 ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	7470	2.236 ug/L	99

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

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