Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100620\
Data File : VU040537.D
Acq On : 06 Oct 2020 19:21
Operator : SY/MD
Sample : L4485-15
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 07 08:50:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 07 08:04:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	282533	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	282666	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	131671	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	114259	47.09	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.18%			
7) Chloroethane-d5	1.92	69	93066	50.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.70%			
11) 1,1-Dichloroethene-d2	2.58	63	170254	36.77	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.54%			
21) 2-Butanone-d5	4.64	46	194559	101.04	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.04%			
24) Chloroform-d	5.08	84	203670	48.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.32%			
26) 1,2-Dichloroethane-d4	5.72	65	143423	49.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.42%			
32) Benzene-d6	5.74	84	399282	49.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.26%			
36) 1,2-Dichloropropane-d6	6.70	67	132441	49.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.24%			
41) Toluene-d8	7.91	98	348105	47.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.46%			
43) trans-1,3-Dichloropropene-	8.19	79	63257	46.87	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.74%			
47) 2-Hexanone-d5	8.64	63	123770	98.47	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 98.47%			
56) 1,1,2,2-Tetrachloroethane-	10.75	84	180982	46.47	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.94%			
66) 1,2-Dichlorobenzene-d4	12.19	152	133963	49.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	5570	2.047	ug/L	98
3) Chloromethane	1.53	50	6827	2.388	ug/L	99
5) Vinyl chloride	1.61	62	6651	2.350	ug/L #	60
6) Bromomethane	1.86	94	3039	2.046	ug/L	92
8) Chloroethane	1.94	64	4244	2.485	ug/L	93
9) Trichlorofluoromethane	2.15	101	8163	2.248	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5815	2.687	ug/L	89
12) 1,1-Dichloroethene	2.59	96	5288	2.643	ug/L #	1
13) Acetone	2.63	43	6156	3.329	ug/L	98
14) Carbon disulfide	2.80	76	15013	2.185	ug/L	96
15) Methyl Acetate	2.96	43	6375	2.113	ug/L	98
16) Methylene chloride	3.06	84	5577	2.350	ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	4458	2.092	ug/L	87
18) Methyl tert-butyl Ether	3.38	73	13064m	1.949	ug/L	
19) 1,1-Dichloroethane	3.89	63	8757	2.060	ug/L	93
20) cis-1,2-Dichloroethene	4.68	96	5061	2.203	ug/L	93
22) 2-Butanone	4.72	43	8955m	3.796	ug/L	

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.99	128	2600	2.172 ug/L	93
25) Chloroform	5.11	83	13023	3.004 ug/L	96
27) 1,2-Dichloroethane	5.81	62	8207	2.294 ug/L	98
29) Cyclohexane	5.40	56	7362	1.945 ug/L #	91
30) 1,1,1-Trichloroethane	5.33	97	7871	2.168 ug/L	96
31) Carbon tetrachloride	5.54	117	6489	2.067 ug/L	95
33) Benzene	5.79	78	19922	2.181 ug/L	100
34) Trichloroethene	6.55	95	4728	2.009 ug/L	94
35) Methylcyclohexane	6.77	83	6989	1.953 ug/L #	72
37) 1,2-Dichloropropane	6.80	63	5368	2.140 ug/L #	89
38) Bromodichloromethane	7.12	83	6729	2.065 ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	7338	1.996 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	15376	3.884 ug/L	96
42) Toluene	7.98	91	20025	2.147 ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	7897	2.133 ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	4703	2.093 ug/L	94
46) Tetrachloroethene	8.56	164	3824	2.249 ug/L	92
48) 2-Hexanone	8.69	43	16521	5.135 ug/L	96
49) Dibromochloromethane	8.82	129	5105	2.080 ug/L	100
50) 1,2-Dibromoethane	8.93	107	5216	2.189 ug/L	87
51) Chlorobenzene	9.45	112	13351	2.182 ug/L	95
52) Ethylbenzene	9.57	91	20449	1.975 ug/L	97
53) m,p-Xylene	9.70	106	7065	1.853 ug/L	98
54) o-xylene	10.10	106	6442	1.776 ug/L	93
55) Styrene	10.12	104	10483	1.641 ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	8741	2.199 ug/L #	99
59) Bromoform	10.29	173	3399	2.106 ug/L #	98
60) 1,2,3-Trichloropropane	10.83	75	6725	2.248 ug/L	95
61) Isopropylbenzene	10.48	105	16613	1.879 ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	12280	1.690 ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	12212	1.657 ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	8972	2.081 ug/L	91
65) 1,4-Dichlorobenzene	11.83	146	10210	2.255 ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	9882	2.288 ug/L	91
68) 1,2-Dibromo-3-chloropropan	13.00	75	1740	2.071 ug/L	88
69) 1,3,5-Trichlorobenzene	13.21	180	5661	2.004 ug/L	98
70) 1,2,4-trichlorobenzene	13.84	180	4491	1.834 ug/L	90
71) Naphthalene	14.08	128	9901	1.308 ug/L	96
72) 1,2,3-Trichlorobenzene	14.32	180	3943	1.622 ug/L	95

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

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