Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110520\
Data File : VX019272.D
Acq On : 04 Nov 2020 15:01
Operator : JC/MD
Sample : L4485-21
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Nov 04 15:27:24 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	392369	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	360205	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	173838	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	137132	40.60	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.20%			
7) Chloroethane-d5	1.70	69	115151	45.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.82%			
11) 1,1-Dichloroethene-d2	2.34	63	188558	33.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.66%			
21) 2-Butanone-d5	4.53	46	197130	114.39	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.39%			
24) Chloroform-d	5.14	84	244747	44.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.98%			
26) 1,2-Dichloroethane-d4	6.03	65	175095	44.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.60%			
32) Benzene-d6	6.05	84	518986	46.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.82%			
36) 1,2-Dichloropropane-d6	7.37	67	160529	48.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.26%			
41) Toluene-d8	8.70	98	467177	41.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 82.30%			
43) trans-1,3-Dichloropropene-	8.99	79	78122	44.61	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.22%			
47) 2-Hexanone-d5	9.43	63	154788	113.50	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 113.50%			
56) 1,1,2,2-Tetrachloroethane-	11.23	84	215285	55.27	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 110.54%			
66) 1,2-Dichlorobenzene-d4	12.36	152	170395	48.82	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.64%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	5431	2.184	ug/L	95
3) Chloromethane	1.31	50	6077	2.405	ug/L	94
5) Vinyl chloride	1.39	62	7327	2.573	ug/L #	68
6) Bromomethane	1.64	94	4888	2.597	ug/L	91
8) Chloroethane	1.72	64	4634	2.611	ug/L	100
9) Trichlorofluoromethane	1.92	101	9895	2.342	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7322	3.005	ug/L #	84
12) 1,1-Dichloroethene	2.36	96	7008	2.964	ug/L #	1
13) Acetone	2.43	43	5272	4.950	ug/L	86
14) Carbon disulfide	2.55	76	15076	2.113	ug/L	98
15) Methyl Acetate	2.75	43	6366	2.739	ug/L	98
16) Methylene chloride	2.84	84	6811	2.583	ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	6022	2.369	ug/L	87
18) Methyl tert-butyl Ether	3.17	73	18408	2.291	ug/L	98
19) 1,1-Dichloroethane	3.67	63	10823	2.396	ug/L	98
20) cis-1,2-Dichloroethene	4.57	96	6699	2.399	ug/L	93
22) 2-Butanone	4.65	43	9242	5.495	ug/L	94

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.98	128	3381	2.404 ug/L	87
25) Chloroform	5.18	83	27187	5.734 ug/L	98
27) 1,2-Dichloroethane	6.17	62	9664	2.589 ug/L	97
29) Cyclohexane	5.54	56	9416	2.271 ug/L	98
30) 1,1,1-Trichloroethane	5.46	97	9777	2.252 ug/L	98
31) Carbon tetrachloride	5.76	117	7839	2.101 ug/L	99
33) Benzene	6.11	78	24529	2.372 ug/L	100
34) Trichloroethene	7.19	95	6329	2.242 ug/L	98
35) Methylcyclohexane	7.44	83	9977	2.233 ug/L	98
37) 1,2-Dichloropropane	7.49	63	6372	2.481 ug/L	99
38) Bromodichloromethane	7.87	83	7614	2.131 ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	9665	2.265 ug/L	92
40) 4-Methyl-2-pentanone	8.62	43	15380	4.896 ug/L	99
42) Toluene	8.76	91	32833	2.919 ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	9606	2.310 ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	5799	2.298 ug/L	94
46) Tetrachloroethene	9.32	164	4624	2.171 ug/L	92
48) 2-Hexanone	9.48	43	15157	6.123 ug/L	100
49) Dibromochloromethane	9.56	129	5643	2.044 ug/L	92
50) 1,2-Dibromoethane	9.65	107	6415	2.431 ug/L	88
51) Chlorobenzene	10.12	112	16637	2.378 ug/L	99
52) Ethylbenzene	10.24	91	27776	2.284 ug/L	98
53) m,p-Xylene	10.34	106	10523	2.303 ug/L	94
54) o-Xylene	10.68	106	9693	2.191 ug/L	93
55) Styrene	10.70	104	15810	2.119 ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.25	83	9841	2.845 ug/L	99
59) Bromoform	10.84	173	3618	1.921 ug/L #	95
60) Isopropylbenzene	11.00	105	25918	2.197 ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	7891	2.665 ug/L	96
62) 1,3,5-Trimethylbenzene	11.49	105	19636	2.023 ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	19834	2.160 ug/L	96
64) 1,3-Dichlorobenzene	12.01	146	11731	2.303 ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	12890	2.494 ug/L	97
67) 1,2-Dichlorobenzene	12.38	146	12536	2.542 ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	1895	2.350 ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	8018	2.248 ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	7150	2.175 ug/L	99
71) Naphthalene	13.82	128	21416	2.014 ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	7165	2.227 ug/L	99

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

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