Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110320\
Data File : VX019230.D
Acq On : 03 Nov 2020 13:24
Operator : JC/MD
Sample : L4485-17
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MDL-ME-SOIL-03

Quant Time: Nov 04 01:23:57 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	429062	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	394123	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	180788	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	161206	43.64	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.28%			
7) Chloroethane-d5	1.70	69	130938	47.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.48%			
11) 1,1-Dichloroethene-d2	2.34	63	217270	35.65	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.30%			
21) 2-Butanone-d5	4.53	46	210309	111.60	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 111.60%			
24) Chloroform-d	5.14	84	274322	45.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.20%			
26) 1,2-Dichloroethane-d4	6.03	65	193987	45.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.78%			
32) Benzene-d6	6.05	84	582618	47.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.24%			
36) 1,2-Dichloropropane-d6	7.37	67	177119	49.03	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.06%			
41) Toluene-d8	8.70	98	536432	43.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 86.38%			
43) trans-1,3-Dichloropropene-	8.99	79	89316	46.62	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.24%			
47) 2-Hexanone-d5	9.43	63	168229	112.74	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 112.74%			
56) 1,1,2,2-Tetrachloroethane-	11.23	84	221242	51.91	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.82%			
66) 1,2-Dichlorobenzene-d4	12.36	152	181018	49.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	5080	1.868	ug/L	100
3) Chloromethane	1.31	50	5885	2.130	ug/L	96
5) Vinyl chloride	1.39	62	6890	2.213	ug/L #	56
6) Bromomethane	1.64	94	4393	2.135	ug/L	91
8) Chloroethane	1.72	64	4061	2.093	ug/L	97
9) Trichlorofluoromethane	1.92	101	8515	1.843	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	6721	2.522	ug/L #	78
12) 1,1-Dichloroethene	2.36	96	6674	2.581	ug/L #	1
13) Acetone	2.43	43	5719	4.911	ug/L	94
14) Carbon disulfide	2.56	76	14334	1.837	ug/L	96
15) Methyl Acetate	2.75	43	5672	2.232	ug/L	99
16) Methylene chloride	2.84	84	6251	2.168	ug/L	89
17) trans-1,2-Dichloroethene	3.14	96	5506	1.981	ug/L	92
18) Methyl tert-butyl Ether	3.17	73	16802	1.912	ug/L	97
19) 1,1-Dichloroethane	3.67	63	9574	1.938	ug/L	97
20) cis-1,2-Dichloroethene	4.56	96	5851	1.916	ug/L	87
22) 2-Butanone	4.65	43	8318	4.523	ug/L	86

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.98	128	3125	2.032 ug/L	83
25) Chloroform	5.18	83	21587	4.164 ug/L	94
27) 1,2-Dichloroethane	6.16	62	8656	2.120 ug/L	97
29) Cyclohexane	5.55	56	8297	1.829 ug/L #	94
30) 1,1,1-Trichloroethane	5.46	97	8974	1.889 ug/L	99
31) Carbon tetrachloride	5.76	117	7013	1.718 ug/L	95
33) Benzene	6.11	78	21884	1.934 ug/L	100
34) Trichloroethene	7.19	95	5876	1.903 ug/L	97
35) Methylcyclohexane	7.44	83	8337	1.706 ug/L	97
37) 1,2-Dichloropropane	7.49	63	5778	2.056 ug/L	99
38) Bromodichloromethane	7.88	83	6821	1.745 ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	8646	1.852 ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	13797	4.014 ug/L	99
42) Toluene	8.76	91	31146	2.530 ug/L	95
44) trans-1,3-Dichloropropene	9.02	75	8101	1.781 ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	5310	1.923 ug/L	98
46) Tetrachloroethene	9.32	164	4211	1.807 ug/L	93
48) 2-Hexanone	9.48	43	14059	5.191 ug/L	97
49) Dibromochloromethane	9.56	129	5407	1.790 ug/L	93
50) 1,2-Dibromoethane	9.65	107	5635	1.951 ug/L	98
51) Chlorobenzene	10.12	112	15204	1.986 ug/L	97
52) Ethylbenzene	10.23	91	25388	1.908 ug/L	100
53) m,p-Xylene	10.34	106	9336	1.868 ug/L	97
54) o-Xylene	10.68	106	8926	1.844 ug/L	90
55) Styrene	10.70	104	14374	1.760 ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	8638	2.282 ug/L #	96
59) Bromoform	10.84	173	3525	1.800 ug/L	96
60) Isopropylbenzene	11.00	105	23400	1.907 ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	6636	2.155 ug/L	95
62) 1,3,5-Trimethylbenzene	11.49	105	17716	1.755 ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	18447	1.932 ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	10366	1.957 ug/L	89
65) 1,4-Dichlorobenzene	12.08	146	10723	1.995 ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	10230	1.994 ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	1610	1.920 ug/L	90
69) 1,3,5-Trichlorobenzene	13.15	180	6430	1.733 ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	6147	1.798 ug/L	99
71) Naphthalene	13.82	128	18824	1.703 ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	5623	1.681 ug/L	93

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

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