Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110220\
Data File : VX019216.D
Acq On : 02 Nov 2020 17:04
Operator : JC/MD
Sample : L4485-15 2.5PPB MDL
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 03 07:26:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 02 14:52:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	439775	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	407343	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	177114	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	179479	47.41	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.82%			
7) Chloroethane-d5	1.70	69	141421	50.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.62%			
11) 1,1-Dichloroethene-d2	2.34	63	234980	37.62	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.24%			
21) 2-Butanone-d5	4.53	46	210130	108.79	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.79%			
24) Chloroform-d	5.14	84	291289	47.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.48%			
26) 1,2-Dichloroethane-d4	6.03	65	203451	46.44	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.88%			
32) Benzene-d6	6.05	84	617782	48.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.72%			
36) 1,2-Dichloropropane-d6	7.37	67	187149	50.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.26%			
41) Toluene-d8	8.70	98	568811	44.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.62%			
43) trans-1,3-Dichloropropene-	8.99	79	95555	48.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.50%			
47) 2-Hexanone-d5	9.43	63	171020	110.89	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 110.89%			
56) 1,1,2,2-Tetrachloroethane-	11.23	84	221320	50.24	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 100.48%			
66) 1,2-Dichlorobenzene-d4	12.36	152	180792	50.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.68%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	5711	2.049	ug/L	99
3) Chloromethane	1.31	50	7187	2.538	ug/L	98
5) Vinyl chloride	1.39	62	8251	2.585	ug/L #	57
6) Bromomethane	1.64	94	5484	2.600	ug/L	99
8) Chloroethane	1.72	64	4915	2.471	ug/L	93
9) Trichlorofluoromethane	1.92	101	10337	2.183	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7629	2.793	ug/L #	76
12) 1,1-Dichloroethene	2.36	96	7604	2.869	ug/L #	1
13) Acetone	2.43	43	6046	5.065	ug/L	98
14) Carbon disulfide	2.56	76	17769	2.222	ug/L	99
15) Methyl Acetate	2.75	43	7641	2.933	ug/L	100
16) Methylene chloride	2.84	84	7288	2.466	ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	6491	2.278	ug/L	98
18) Methyl tert-butyl Ether	3.17	73	21349	2.370	ug/L	98
19) 1,1-Dichloroethane	3.67	63	11756	2.322	ug/L	94
20) cis-1,2-Dichloroethene	4.56	96	7325	2.341	ug/L	100
22) 2-Butanone	4.64	43	10039	5.325	ug/L #	72

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

Quant Time: Nov 03 07:26:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 02 14:52:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	4.98	128	3839	2.436	ug/L		85
25) Chloroform	5.17	83	21316	4.011	ug/L		99
27) 1,2-Dichloroethane	6.17	62	10096	2.413	ug/L		99
29) Cyclohexane	5.55	56	8870	1.892	ug/L		98
30) 1,1,1-Trichloroethane	5.46	97	10715	2.182	ug/L		98
31) Carbon tetrachloride	5.76	117	8558	2.029	ug/L		97
33) Benzene	6.12	78	26888	2.299	ug/L		100
34) Trichloroethene	7.18	95	6832	2.140	ug/L		95
35) Methylcyclohexane	7.44	83	9422	1.865	ug/L		98
37) 1,2-Dichloropropane	7.49	63	6849	2.358	ug/L	#	95
38) Bromodichloromethane	7.87	83	8850	2.191	ug/L		95
39) cis-1,3-Dichloropropene	8.42	75	10697	2.216	ug/L		100
40) 4-Methyl-2-pentanone	8.62	43	17602	4.955	ug/L		99
42) Toluene	8.76	91	36506	2.870	ug/L		100
44) trans-1,3-Dichloropropene	9.02	75	10729	2.282	ug/L		99
45) 1,1,2-Trichloroethane	9.20	97	6845	2.399	ug/L		95
46) Tetrachloroethene	9.32	164	4924	2.045	ug/L		97
48) 2-Hexanone	9.47	43	15676	5.600	ug/L		99
49) Dibromochloromethane	9.56	129	6495	2.081	ug/L		100
50) 1,2-Dibromoethane	9.65	107	7265	2.434	ug/L		97
51) Chlorobenzene	10.12	112	18270	2.309	ug/L		99
52) Ethylbenzene	10.23	91	29440	2.141	ug/L		99
53) m,p-Xylene	10.34	106	10842	2.099	ug/L		99
54) o-Xylene	10.68	106	10584	2.116	ug/L		88
55) Styrene	10.70	104	16973	2.011	ug/L		96
57) 1,1,2,2-Tetrachloroethane	11.25	83	10032	2.565	ug/L	#	94
59) Bromoform	10.84	173	4139	2.157	ug/L		97
60) Isopropylbenzene	11.00	105	26661	2.218	ug/L		98
61) 1,2,3-Trichloropropane	11.28	75	7959	2.638	ug/L		100
62) 1,3,5-Trimethylbenzene	11.49	105	21132	2.137	ug/L		98
63) 1,2,4-Trimethylbenzene	11.79	105	21649	2.315	ug/L		99
64) 1,3-Dichlorobenzene	12.01	146	11982	2.309	ug/L		95
65) 1,4-Dichlorobenzene	12.08	146	12514	2.376	ug/L		98
67) 1,2-Dichlorobenzene	12.38	146	11891	2.366	ug/L		98
68) 1,2-Dibromo-3-chloropropan	12.98	75	2033	2.474	ug/L	#	81
69) 1,3,5-Trichlorobenzene	13.15	180	7906	2.175	ug/L		97
70) 1,2,4-trichlorobenzene	13.63	180	7382	2.204	ug/L		99
71) Naphthalene	13.82	128	22847	2.109	ug/L		98
72) 1,2,3-Trichlorobenzene	14.00	180	7384	2.253	ug/L		97

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

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