Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110920\
Data File : VV019309.D
Acq On : 09 Nov 2020 17:59
Operator : SY/MD
Sample : L4485-19
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL-ME-SOIL-05

Quant Time: Nov 10 13:12:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 10 06:58:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	238913	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	118118	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	73092	38.37	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 76.74%			
7) Chloroethane-d5	1.58	69	67849	45.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.90%			
11) 1,1-Dichloroethene-d2	2.12	63	122333	34.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.36%			
21) 2-Butanone-d5	3.92	46	127317	121.20	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 121.20%			
24) Chloroform-d	4.37	84	163680	45.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.82%			
26) 1,2-Dichloroethane-d4	5.05	65	117948	47.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.96%			
32) Benzene-d6	5.07	84	301153	45.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.30%			
36) 1,2-Dichloropropane-d6	6.09	67	100019	50.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.56%			
41) Toluene-d8	7.34	98	265440	43.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 86.38%			
43) trans-1,3-Dichloropropene-	7.64	79	49067	44.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.00%			
47) 2-Hexanone-d5	8.11	63	75721	99.03	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 99.03%			
56) 1,1,2,2-Tetrachloroethane-	10.23	84	125813	47.94	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.88%			
66) 1,2-Dichlorobenzene-d4	11.65	152	114993	48.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	3721	2.460	ug/L	93
3) Chloromethane	1.25	50	4479	2.844	ug/L	99
5) Vinyl chloride	1.32	62	5064	3.089	ug/L #	76
6) Bromomethane	1.53	94	3214	2.917	ug/L	98
8) Chloroethane	1.60	64	3279	3.059	ug/L	92
9) Trichlorofluoromethane	1.77	101	7326	2.700	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4710	3.653	ug/L	85
12) 1,1-Dichloroethene	2.13	96	4565	3.425	ug/L #	1
13) Acetone	2.20	43	5886	7.368	ug/L	69
14) Carbon disulfide	2.31	76	9850	2.574	ug/L	96
15) Methyl Acetate	2.46	43	4741	3.063	ug/L #	82
16) Methylene chloride	2.52	84	4704	2.969	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	3717	2.571	ug/L	96
18) Methyl tert-butyl Ether	2.78	73	11991	2.360	ug/L #	93
19) 1,1-Dichloroethane	3.21	63	7572	2.673	ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4225	2.644	ug/L	89
22) 2-Butanone	4.05	43	5162m	5.091	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	4.28	128	2287	2.600	ug/L		95
25) Chloroform	4.40	83	10132	3.336	ug/L		87
27) 1,2-Dichloroethane	5.16	62	6201	2.402	ug/L		98
29) Cyclohexane	4.71	56	4987	2.439	ug/L		90
30) 1,1,1-Trichloroethane	4.64	97	7296	2.633	ug/L		97
31) Carbon tetrachloride	4.86	117	6281	2.625	ug/L	#	51
33) Benzene	5.13	78	15571	2.623	ug/L		100
34) Trichloroethene	5.94	95	4688	2.905	ug/L		94
35) Methylcyclohexane	6.15	83	5335	2.732	ug/L		97
37) 1,2-Dichloropropane	6.20	63	4492	2.835	ug/L	#	89
38) Bromodichloromethane	6.53	83	6084	2.668	ug/L		97
39) cis-1,3-Dichloropropene	7.05	75	6622	2.612	ug/L		95
40) 4-Methyl-2-pentanone	7.25	43	11380	5.346	ug/L		93
42) Toluene	7.41	91	18920	2.948	ug/L		92
44) trans-1,3-Dichloropropene	7.68	75	6838	2.632	ug/L		97
45) 1,1,2-Trichloroethane	7.86	97	4297	2.744	ug/L		95
46) Tetrachloroethene	8.00	164	3312	2.516	ug/L		99
48) 2-Hexanone	8.16	43	13481m	8.377	ug/L		
49) Dibromochloromethane	8.27	129	4742	2.539	ug/L		86
50) 1,2-Dibromoethane	8.38	107	4255	2.621	ug/L		86
51) Chlorobenzene	8.90	112	11686	2.722	ug/L		97
52) Ethylbenzene	9.04	91	16627	2.348	ug/L		99
53) m,p-Xylene	9.16	106	6032	2.275	ug/L		97
54) o-Xylene	9.57	106	5719	2.189	ug/L		91
55) Styrene	9.59	104	9693	2.084	ug/L		98
57) 1,1,2,2-Tetrachloroethane	10.26	83	6533	2.757	ug/L	#	88
59) Bromoform	9.76	173	3356	2.560	ug/L	#	96
60) Isopropylbenzene	9.95	105	14937	2.413	ug/L		97
61) 1,2,3-Trichloropropane	10.30	75	5822	3.173	ug/L		94
62) 1,3,5-Trimethylbenzene	10.56	105	11812	2.291	ug/L		96
63) 1,2,4-Trimethylbenzene	10.94	105	11174	2.215	ug/L		99
64) 1,3-Dichlorobenzene	11.21	146	8665	2.676	ug/L		96
65) 1,4-Dichlorobenzene	11.29	146	9282	2.771	ug/L		93
67) 1,2-Dichlorobenzene	11.67	146	9511	2.871	ug/L		97
68) 1,2-Dibromo-3-chloropropan	12.45	75	1459	2.725	ug/L		93
69) 1,3,5-Trichlorobenzene	12.67	180	6053	2.604	ug/L		95
70) 1,2,4-trichlorobenzene	13.29	180	4856	2.220	ug/L		96
71) Naphthalene	13.53	128	10368	1.681	ug/L		99
72) 1,2,3-Trichlorobenzene	13.77	180	4837	2.231	ug/L		98

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

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