Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101020\
Data File : VU040631.D
Acq On : 10 Oct 2020 13:05
Operator : SY/MD
Sample : L4485-21
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 12 01:38:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 12 01:29:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	261537	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	260176	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	126380	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	95855	42.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.36%			
7) Chloroethane-d5	1.92	69	73844	43.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.30%			
11) 1,1-Dichloroethene-d2	2.58	63	145378	33.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.84%			
21) 2-Butanone-d5	4.65	46	208716	117.09	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 117.09%			
24) Chloroform-d	5.08	84	182455	47.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.18%			
26) 1,2-Dichloroethane-d4	5.72	65	131951	48.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.80%			
32) Benzene-d6	5.75	84	354279	47.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.68%			
36) 1,2-Dichloropropane-d6	6.70	67	120729	48.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.30%			
41) Toluene-d8	7.91	98	312335	46.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.06%			
43) trans-1,3-Dichloropropene-	8.19	79	56691	45.64	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.28%			
47) 2-Hexanone-d5	8.64	63	131729	113.86	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 113.86%			
56) 1,1,2,2-Tetrachloroethane-	10.75	84	176121	49.13	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.26%			
66) 1,2-Dichlorobenzene-d4	12.19	152	126934	49.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	5707	2.266	ug/L	100
3) Chloromethane	1.53	50	6149	2.323	ug/L	95
5) Vinyl chloride	1.61	62	6124	2.337	ug/L #	27
6) Bromomethane	1.87	94	2801	2.037	ug/L	91
8) Chloroethane	1.94	64	3809	2.409	ug/L	88
9) Trichlorofluoromethane	2.15	101	7366	2.192	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	6025	3.007	ug/L #	86
12) 1,1-Dichloroethene	2.59	96	5243	2.830	ug/L #	1
13) Acetone	2.65	43	11127	6.500	ug/L	96
14) Carbon disulfide	2.81	76	14540	2.286	ug/L	96
15) Methyl Acetate	2.97	43	6726	2.409	ug/L #	82
16) Methylene chloride	3.06	84	5057	2.302	ug/L	96
17) trans-1,2-Dichloroethene	3.37	96	4545	2.304	ug/L	92
18) Methyl tert-butyl Ether	3.39	73	13275	2.139	ug/L #	75
19) 1,1-Dichloroethane	3.89	63	9286	2.360	ug/L	96
20) cis-1,2-Dichloroethene	4.68	96	5005	2.354	ug/L	85
22) 2-Butanone	4.73	43	12147	5.562	ug/L #	70

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Instrument : MSVOA_U
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Quant Time: Oct 12 01:38:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 12 01:29:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	4.99	128	2548	2.300	ug/L		92
25) Chloroform	5.11	83	12561	3.131	ug/L		94
27) 1,2-Dichloroethane	5.81	62	7883	2.381	ug/L	#	90
29) Cyclohexane	5.41	56	7060	2.027	ug/L	#	73
30) 1,1,1-Trichloroethane	5.34	97	7812	2.338	ug/L		98
31) Carbon tetrachloride	5.54	117	6504	2.251	ug/L		98
33) Benzene	5.79	78	20088	2.389	ug/L		100
34) Trichloroethene	6.56	95	4741	2.188	ug/L		88
35) Methylcyclohexane	6.77	83	6452	1.959	ug/L		94
37) 1,2-Dichloropropane	6.80	63	5606	2.428	ug/L	#	94
38) Bromodichloromethane	7.12	83	6851	2.284	ug/L	#	98
39) cis-1,3-Dichloropropene	7.62	75	7928	2.342	ug/L		98
40) 4-Methyl-2-pentanone	7.80	43	16439	4.511	ug/L		96
42) Toluene	7.98	91	18961	2.208	ug/L		92
44) trans-1,3-Dichloropropene	8.22	75	7869	2.309	ug/L		92
45) 1,1,2-Trichloroethane	8.40	97	4771	2.306	ug/L		96
46) Tetrachloroethene	8.56	164	3552	2.269	ug/L		97
48) 2-Hexanone	8.69	43	18694	6.312	ug/L		98
49) Dibromochloromethane	8.81	129	4678	2.071	ug/L		94
50) 1,2-Dibromoethane	8.93	107	5099	2.325	ug/L	#	88
51) Chlorobenzene	9.45	112	12810	2.275	ug/L		98
52) Ethylbenzene	9.57	91	19074	2.002	ug/L		99
53) m,p-Xylene	9.69	106	6985	1.990	ug/L		90
54) o-xylene	10.10	106	5822	1.744	ug/L		87
55) Styrene	10.11	104	10590	1.801	ug/L		97
57) 1,1,2,2-Tetrachloroethane	10.78	83	8680	2.373	ug/L		99
59) Bromoform	10.29	173	3520	2.272	ug/L	#	94
60) 1,2,3-Trichloropropane	10.82	75	7163	2.495	ug/L		98
61) Isopropylbenzene	10.48	105	15807	1.862	ug/L	#	87
62) 1,3,5-Trimethylbenzene	11.09	105	12342	1.770	ug/L		99
63) 1,2,4-Trimethylbenzene	11.46	105	11901	1.683	ug/L		98
64) 1,3-Dichlorobenzene	11.74	146	8865	2.142	ug/L		97
65) 1,4-Dichlorobenzene	11.83	146	9598	2.208	ug/L		99
67) 1,2-Dichlorobenzene	12.21	146	10378	2.503	ug/L		96
68) 1,2-Dibromo-3-chloropropan	12.99	75	1833	2.273	ug/L		89
69) 1,3,5-Trichlorobenzene	13.21	180	5938	2.190	ug/L		99
70) 1,2,4-trichlorobenzene	13.83	180	4474	1.904	ug/L		100
71) Naphthalene	14.08	128	9451	1.301	ug/L	#	94
72) 1,2,3-Trichlorobenzene	14.32	180	4234	1.815	ug/L		99

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

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