Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110520\
Data File : VX019271.D
Acq On : 04 Nov 2020 14:39
Operator : JC/MD
Sample : L4485-20
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MDL-ME-SOIL-06

Quant Time: Nov 04 15:26:59 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	393322	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	359531	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	171791	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	138774	40.98	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.96%			
7) Chloroethane-d5	1.70	69	118295	47.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.10%			
11) 1,1-Dichloroethene-d2	2.34	63	194565	34.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.66%			
21) 2-Butanone-d5	4.53	46	196459	113.72	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 113.72%			
24) Chloroform-d	5.14	84	248525	45.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.12%			
26) 1,2-Dichloroethane-d4	6.03	65	176453	45.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.08%			
32) Benzene-d6	6.05	84	526325	47.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.32%			
36) 1,2-Dichloropropane-d6	7.37	67	164532	49.93	ug/L	0.01
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.86%			
41) Toluene-d8	8.70	98	472796	41.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 83.46%			
43) trans-1,3-Dichloropropene-	8.99	79	78959	45.18	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.36%			
47) 2-Hexanone-d5	9.43	63	155239	114.04	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 114.04%			
56) 1,1,2,2-Tetrachloroethane-	11.23	84	218902	56.30	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 112.60%			
66) 1,2-Dichlorobenzene-d4	12.36	152	171408	49.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.38%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	6060	2.431	ug/L	96
3) Chloromethane	1.31	50	6478	2.558	ug/L	98
5) Vinyl chloride	1.39	62	7674	2.688	ug/L #	64
6) Bromomethane	1.64	94	5018	2.660	ug/L	95
8) Chloroethane	1.72	64	4944	2.779	ug/L	95
9) Trichlorofluoromethane	1.92	101	11090	2.619	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	7589	3.107	ug/L #	84
12) 1,1-Dichloroethene	2.36	96	7284	3.073	ug/L #	1
13) Acetone	2.43	43	5858	5.487	ug/L	96
14) Carbon disulfide	2.56	76	16114	2.253	ug/L	97
15) Methyl Acetate	2.75	43	6846	2.938	ug/L	97
16) Methylene chloride	2.84	84	7120	2.694	ug/L	97
17) trans-1,2-Dichloroethene	3.14	96	6477	2.542	ug/L	97
18) Methyl tert-butyl Ether	3.17	73	19895	2.470	ug/L	97
19) 1,1-Dichloroethane	3.67	63	11040	2.438	ug/L	96
20) cis-1,2-Dichloroethene	4.56	96	7043	2.516	ug/L	94
22) 2-Butanone	4.64	43	8852	5.250	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.98	128	3367	2.389 ug/L	96
25) Chloroform	5.18	83	28076	5.907 ug/L	98
27) 1,2-Dichloroethane	6.16	62	9810	2.622 ug/L	96
29) Cyclohexane	5.54	56	10022	2.422 ug/L #	64
30) 1,1,1-Trichloroethane	5.46	97	10474	2.417 ug/L #	83
31) Carbon tetrachloride	5.76	117	8418	2.261 ug/L	96
33) Benzene	6.12	78	25175	2.439 ug/L	100
34) Trichloroethene	7.19	95	7035	2.497 ug/L	93
35) Methylcyclohexane	7.44	83	10232	2.295 ug/L	97
37) 1,2-Dichloropropane	7.49	63	6320	2.465 ug/L #	97
38) Bromodichloromethane	7.87	83	8180	2.294 ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	10395	2.440 ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	16906	5.392 ug/L	96
42) Toluene	8.76	91	33552	2.988 ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10255	2.471 ug/L	92
45) 1,1,2-Trichloroethane	9.20	97	6336	2.516 ug/L	99
46) Tetrachloroethene	9.32	164	5235	2.463 ug/L	99
48) 2-Hexanone	9.48	43	15753	6.376 ug/L	99
49) Dibromochloromethane	9.56	129	6154	2.234 ug/L	97
50) 1,2-Dibromoethane	9.65	107	6380	2.422 ug/L	89
51) Chlorobenzene	10.12	112	17542	2.512 ug/L	99
52) Ethylbenzene	10.24	91	28623	2.358 ug/L	100
53) m,p-Xylene	10.34	106	11020	2.417 ug/L	95
54) o-Xylene	10.68	106	10213	2.313 ug/L	90
55) Styrene	10.70	104	16484	2.213 ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	10433	3.022 ug/L #	98
59) Bromoform	10.84	173	3861	2.075 ug/L	98
60) Isopropylbenzene	11.00	105	26897	2.307 ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	8201	2.803 ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	21097	2.200 ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	20544	2.264 ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	12446	2.473 ug/L	92
65) 1,4-Dichlorobenzene	12.08	146	13140	2.573 ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	12762	2.618 ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	1898	2.382 ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	8218	2.331 ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	7021	2.161 ug/L	93
71) Naphthalene	13.82	128	22639	2.155 ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	7542	2.372 ug/L	98

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

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