Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
Data File : VY003551.D
Acq On : 19 Nov 2020 16:33
Operator : SY/MD
Sample : MDL04
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
11/20/2020 10:22:52 AM

Quant Time: Nov 20 03:03:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 20 01:42:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	239983	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	216040	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	100590	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	50600	19.13	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.52%			
7) Chloroethane-d5	2.77	69	46644	19.01	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.04%			
10) 1,1-Dichloroethene-d2	3.86	63	97138	14.86	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 59.44%			
20) 2-Butanone-d5	6.91	46	54426	40.81	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 81.62%			
24) Chloroform-d	7.49	84	132570	21.73	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 86.92%			
26) 1,2-Dichloroethane-d4	8.14	65	75326	22.03	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.12%			
29) Benzene-d6	8.11	84	272751	21.67	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 86.68%			
33) 1,2-Dichloropropane-d6	9.13	67	82304	22.30	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.20%			
37) Toluene-d8	10.18	98	247495	21.95	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 87.80%			
38) trans-1,3-Dichloropropene-	10.44	79	39604	21.50	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.00%			
39) 2-Hexanone-d5	10.79	63	39234	40.88	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 81.76%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	66815	20.78	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 83.12%			
61) 1,2-Dichlorobenzene-d4	13.72	152	73028	22.49	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.93	85	1081	0.850	ug/L #	79
3) Chloromethane	2.12	50	3576	1.336	ug/L	88
5) Vinyl chloride	2.26	62	4290	1.342	ug/L #	73
6) Bromomethane	2.66	94	2990	1.205	ug/L	94
8) Chloroethane	2.80	64	2533	1.167	ug/L	95
9) Trichlorofluoromethane	3.13	101	3432	1.120	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	5037m	1.585	ug/L	
12) 1,1-Dichloroethene	3.88	96	4947	1.488	ug/L #	1
13) Acetone	3.97	43	3030	3.164	ug/L	57
14) Carbon disulfide	4.21	76	13271	1.205	ug/L #	94
15) Methyl Acetate	4.50	43	2959m	1.218	ug/L	
16) Methylene chloride	4.72	84	13836	3.363	ug/L	97
17) Methyl tert-butyl Ether	5.24	73	6457m	1.243	ug/L	
18) trans-1,2-Dichloroethene	5.22	96	4534	1.294	ug/L	77
19) 1,1-Dichloroethane	6.03	63	7781	1.315	ug/L	97
21) 2-Butanone	7.00	43	5462	3.387	ug/L	85
22) cis-1,2-Dichloroethene	6.99	96	4851	1.348	ug/L #	76

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	7.35	128	2172	1.247 ug/L	96
25) Chloroform	7.52	83	8248	1.402 ug/L	81
27) 1,2-Dichloroethane	8.24	62	5193	1.307 ug/L	96
30) Cyclohexane	7.80	56	6061	1.154 ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	5773	1.228 ug/L	96
32) Carbon tetrachloride	7.91	117	5347	1.197 ug/L	95
34) Benzene	8.16	78	17682	1.298 ug/L	100
35) Trichloroethene	8.94	95	4546	1.317 ug/L	97
36) Methylcyclohexane	9.19	83	6519	1.208 ug/L	93
40) 1,2-Dichloropropane	9.22	63	4285	1.275 ug/L #	97
41) Bromodichloromethane	9.50	83	5396	1.258 ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	6625	1.250 ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	8584	3.053 ug/L	94
44) Toluene	10.24	91	18571	1.293 ug/L	93
45) trans-1,3-Dichloropropene	10.47	75	8093	1.658 ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	3615	1.347 ug/L	92
47) Tetrachloroethene	10.72	164	3906	1.302 ug/L	90
49) 2-Hexanone	10.83	43	5112	2.302 ug/L	98
50) Dibromochloromethane	10.99	129	3983	1.230 ug/L	80
51) 1,2-Dibromoethane	11.09	107	3525	1.317 ug/L #	94
52) Chlorobenzene	11.51	112	12011	1.309 ug/L	98
53) Ethylbenzene	11.59	91	16661	1.129 ug/L	97
54) m,p-Xylene	11.70	106	6801	1.198 ug/L	94
55) o-xylene	12.03	106	5357	1.130 ug/L	93
56) Styrene	12.04	104	9937	1.070 ug/L	94
57) Isopropylbenzene	12.33	105	11397	1.062 ug/L	93
58) 1,1,2,2-Tetrachloroethane	12.58	83	4002	1.264 ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	2671	1.083 ug/L	97
62) Bromoform	12.20	173	2725	1.335 ug/L	93
63) 1,3-Dichlorobenzene	13.36	146	7772	1.224 ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	8446	1.292 ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	6713	1.284 ug/L #	87
67) 1,3,5-Trichlorobenzene	14.50	180	4377	1.300 ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	3467	1.195 ug/L	92
69) Naphthalene	15.23	128	5409	1.057 ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	2748	1.253 ug/L	92

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

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