Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
Data File : VY003554.D
Acq On : 19 Nov 2020 17:37
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL07

Manual Integrations APPROVED
MMDadoda
11/20/2020 10:23:06 AM

Quant Time: Nov 20 03:10:06 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	226264	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	207199	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	95693	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.26	65	53504	21.46	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.84%			
7) Chloroethane-d5	2.77	69	49324	21.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.28%			
10) 1,1-Dichloroethene-d2	3.86	63	99722	16.18	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 64.72%			
20) 2-Butanone-d5	6.91	46	63491	50.49	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.98%			
24) Chloroform-d	7.49	84	138688	24.11	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.44%			
26) 1,2-Dichloroethane-d4	8.14	65	79864	24.78	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.12%			
29) Benzene-d6	8.11	84	289165	23.95	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.80%			
33) 1,2-Dichloropropane-d6	9.13	67	86853	24.54	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.16%			
37) Toluene-d8	10.18	98	256704	23.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.96%			
38) trans-1,3-Dichloropropene-	10.44	79	42653	24.15	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.60%			
39) 2-Hexanone-d5	10.79	63	45641	49.59	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.18%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	72506	23.51	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 94.04%			
61) 1,2-Dichlorobenzene-d4	13.72	152	76641	24.81	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	1192m	0.994	ug/L	
3) Chloromethane	2.12	50	3426	1.357	ug/L	89
5) Vinyl chloride	2.26	62	4380	1.453	ug/L #	45
6) Bromomethane	2.67	94	3036	1.297	ug/L	91
8) Chloroethane	2.81	64	2652	1.295	ug/L #	82
9) Trichlorofluoromethane	3.13	101	3278	1.134	ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4922m	1.643	ug/L	
12) 1,1-Dichloroethene	3.87	96	5107	1.630	ug/L #	1
13) Acetone	3.98	43	3496m	3.872	ug/L	
14) Carbon disulfide	4.20	76	13102	1.262	ug/L	98
15) Methyl Acetate	4.49	43	2729	1.191	ug/L #	79
16) Methylene chloride	4.73	84	12673	3.267	ug/L	87
17) Methyl tert-butyl Ether	5.24	73	6963m	1.422	ug/L	
18) trans-1,2-Dichloroethene	5.23	96	4647	1.407	ug/L #	89
19) 1,1-Dichloroethane	6.04	63	7349m	1.318	ug/L	
21) 2-Butanone	7.00	43	5736	3.773	ug/L	88
22) cis-1,2-Dichloroethene	6.99	96	4737	1.396	ug/L	88

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.35	128	2265	1.379	ug/L		95
25) Chloroform	7.51	83	8257	1.489	ug/L		76
27) 1,2-Dichloroethane	8.24	62	5366	1.432	ug/L	#	89
30) Cyclohexane	7.78	56	5786	1.148	ug/L		99
31) 1,1,1-Trichloroethane	7.71	97	5560	1.233	ug/L		98
32) Carbon tetrachloride	7.90	117	5409	1.263	ug/L		96
34) Benzene	8.17	78	17124	1.310	ug/L		100
35) Trichloroethene	8.94	95	4407	1.332	ug/L		95
36) Methylcyclohexane	9.19	83	6214	1.201	ug/L		97
40) 1,2-Dichloropropane	9.22	63	4378	1.359	ug/L		99
41) Bromodichloromethane	9.50	83	5396	1.312	ug/L	#	88
42) cis-1,3-Dichloropropene	9.93	75	6444	1.268	ug/L		90
43) 4-Methyl-2-pentanone	10.07	43	6501	2.411	ug/L		99
44) Toluene	10.24	91	17952	1.303	ug/L		100
45) trans-1,3-Dichloropropene	10.47	75	7980	1.705	ug/L		96
46) 1,1,2-Trichloroethane	10.64	97	3733	1.450	ug/L		93
47) Tetrachloroethene	10.72	164	3930	1.366	ug/L	#	72
49) 2-Hexanone	10.83	43	5496	2.581	ug/L	#	97
50) Dibromochloromethane	10.98	129	3789	1.220	ug/L		88
51) 1,2-Dibromoethane	11.08	107	3355	1.307	ug/L	#	95
52) Chlorobenzene	11.52	112	11507	1.308	ug/L		94
53) Ethylbenzene	11.59	91	16875	1.193	ug/L		94
54) m,p-Xylene	11.70	106	6764	1.242	ug/L		83
55) o-xylene	12.03	106	5114	1.125	ug/L		93
56) Styrene	12.05	104	10277	1.154	ug/L		91
57) Isopropylbenzene	12.33	105	10996	1.069	ug/L	#	95
58) 1,1,2,2-Tetrachloroethane	12.58	83	4012	1.321	ug/L	#	94
59) 1,2,3-Trichloropropane	12.63	75	2961	1.252	ug/L		98
62) Bromoform	12.20	173	2557	1.316	ug/L		96
63) 1,3-Dichlorobenzene	13.36	146	7698	1.275	ug/L		99
64) 1,4-Dichlorobenzene	13.44	146	8410	1.353	ug/L		95
65) 1,2-Dichlorobenzene	13.73	146	6803	1.368	ug/L		91
66) 1,2-Dibromo-3-chloropropan	14.34	75	629m	1.486	ug/L		
67) 1,3,5-Trichlorobenzene	14.50	180	4021	1.255	ug/L		99
68) 1,2,4-trichlorobenzene	15.00	180	3304	1.197	ug/L		93
69) Naphthalene	15.23	128	5553	1.141	ug/L		99
70) 1,2,3-Trichlorobenzene	15.42	180	2548	1.221	ug/L		93

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

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