Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111319\
Data File : VY000670.D
Acq On : 13 Nov 2019 14:04
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL07

Manual Integrations APPROVED
MMDADODA
11/19/2019 11:59:50 AM

Quant Time: Nov 14 08:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 08:38:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	338889	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	306523	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	140911	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.24	65	104962	21.93	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.72%			
7) Chloroethane-d5	2.76	69	98414	23.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.56%			
10) 1,1-Dichloroethene-d2	3.85	63	145265	16.43	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 65.72%			
20) 2-Butanone-d5	6.91	46	78410	39.71	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 79.42%			
24) Chloroform-d	7.49	84	193920	21.81	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.24%			
26) 1,2-Dichloroethane-d4	8.15	65	113311	21.98	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.92%			
29) Benzene-d6	8.12	84	409804	23.02	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.08%			
33) 1,2-Dichloropropane-d6	9.13	67	126073	22.60	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.40%			
37) Toluene-d8	10.18	98	370896	22.30	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.20%			
38) trans-1,3-Dichloropropene-	10.44	79	55750	21.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 85.68%			
39) 2-Hexanone-d5	10.79	63	60403	40.06	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.12%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	112612	20.75	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 83.00%			
61) 1,2-Dichlorobenzene-d4	13.72	152	131091	23.26	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	2605	0.582	ug/L	88
3) Chloromethane	2.12	50	3022	0.538	ug/L	93
5) Vinyl chloride	2.25	62	3023	0.540	ug/L #	34
6) Bromomethane	2.66	94	1876m	0.613	ug/L	
8) Chloroethane	2.79	64	1877m	0.534	ug/L	
9) Trichlorofluoromethane	3.13	101	5040	0.635	ug/L #	63
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3021m	0.671	ug/L	
12) 1,1-Dichloroethene	3.86	96	3710m	0.844	ug/L	
13) Acetone	3.98	43	3167m	2.192	ug/L	
14) Carbon disulfide	4.20	76	5908m	0.436	ug/L	
15) Methyl Acetate	4.49	43	1255m	0.379	ug/L	
16) Methylene chloride	4.72	84	13618	2.434	ug/L	83
17) Methyl tert-butyl Ether	5.24	73	6459m	0.483	ug/L	
18) trans-1,2-Dichloroethene	5.23	96	2279	0.464	ug/L	85
19) 1,1-Dichloroethane	6.02	63	4215	0.488	ug/L	93
22) cis-1,2-Dichloroethene	6.99	96	2794m	0.515	ug/L	
23) Bromochloromethane	7.34	128	1284m	0.542	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
25) Chloroform	7.52	83	10970	1.179 ug/L	#	70
27) 1,2-Dichloroethane	8.25	62	3429	0.551 ug/L		96
31) 1,1,1-Trichloroethane	7.71	97	3869	0.512 ug/L	#	77
32) Carbon tetrachloride	7.91	117	3060m	0.465 ug/L		
34) Benzene	8.18	78	10578	0.528 ug/L		100
35) Trichloroethene	8.94	95	2919	0.556 ug/L		97
36) Methylcyclohexane	9.18	83	3733	0.415 ug/L	#	83
40) 1,2-Dichloropropane	9.23	63	2268	0.447 ug/L		100
41) Bromodichloromethane	9.50	83	3673	0.562 ug/L		96
42) cis-1,3-Dichloropropene	9.94	75	3830	0.468 ug/L		97
43) 4-Methyl-2-pentanone	10.07	43	4594	0.946 ug/L	#	53
44) Toluene	10.25	91	11165	0.515 ug/L		91
45) trans-1,3-Dichloropropene	10.47	75	2377	0.338 ug/L	#	80
46) 1,1,2-Trichloroethane	10.64	97	2255	0.541 ug/L		88
47) Tetrachloroethene	10.72	164	2299	0.586 ug/L		80
49) 2-Hexanone	10.83	43	4506	1.191 ug/L	#	94
50) Dibromochloromethane	10.99	129	2126	0.452 ug/L		96
51) 1,2-Dibromoethane	11.08	107	2061	0.508 ug/L	#	78
52) Chlorobenzene	11.51	112	6201	0.451 ug/L		93
53) Ethylbenzene	11.59	91	11686	0.477 ug/L		95
54) m,p-Xylene	11.69	106	4857	0.524 ug/L		80
55) o-xylene	12.03	106	4700	0.516 ug/L		82
56) Styrene	12.04	104	6831	0.452 ug/L		90
57) Isopropylbenzene	12.32	105	10629	0.449 ug/L		91
58) 1,1,2,2-Tetrachloroethane	12.58	83	3115	0.599 ug/L	#	81
59) 1,2,3-Trichloropropane	12.63	75	1868	0.442 ug/L		100
62) Bromoform	12.20	173	1128	0.421 ug/L	#	90
63) 1,3-Dichlorobenzene	13.36	146	5147	0.512 ug/L	#	81
64) 1,4-Dichlorobenzene	13.44	146	5575	0.555 ug/L	#	87
65) 1,2-Dichlorobenzene	13.74	146	5289	0.568 ug/L		94
66) 1,2-Dibromo-3-chloropropan	14.36	75	488m	0.552 ug/L		
67) 1,3,5-Trichlorobenzene	14.50	180	3475m	0.496 ug/L		
68) 1,2,4-trichlorobenzene	15.00	180	3124	0.499 ug/L		93
69) Naphthalene	15.23	128	7178	0.460 ug/L	#	93
70) 1,2,3-Trichlorobenzene	15.42	180	2804	0.482 ug/L		96

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

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