Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111319\
Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MDL01

Manual Integrations APPROVED
MMDADODA
11/19/2019 11:58:46 AM

Quant Time: Nov 14 07:57:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 16:30:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	349669	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	318779	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	147401	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	121480	24.60	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.40%			
7) Chloroethane-d5	2.77	69	110116	25.10	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.40%			
10) 1,1-Dichloroethene-d2	3.86	63	169253	18.56	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 74.24%			
20) 2-Butanone-d5	6.90	46	93207	45.74	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.48%			
24) Chloroform-d	7.49	84	217704	23.73	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.92%			
26) 1,2-Dichloroethane-d4	8.15	65	129828	24.40	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.60%			
29) Benzene-d6	8.12	84	468594	25.31	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.24%			
33) 1,2-Dichloropropane-d6	9.13	67	144640	24.93	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.72%			
37) Toluene-d8	10.18	98	423049	24.46	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.84%			
38) trans-1,3-Dichloropropene-	10.44	79	65917	24.35	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 97.40%			
39) 2-Hexanone-d5	10.79	63	70496	44.96	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.92%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	125724	22.28	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.12%			
61) 1,2-Dichlorobenzene-d4	13.72	152	150245	25.49	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 101.96%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	3307m	0.716	ug/L	
3) Chloromethane	2.12	50	3789	0.654	ug/L #	58
5) Vinyl chloride	2.26	62	3827m	0.662	ug/L	
6) Bromomethane	2.66	94	2417m	0.766	ug/L	
8) Chloroethane	2.80	64	2000	0.552	ug/L	83
9) Trichlorofluoromethane	3.13	101	5852	0.715	ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3081m	0.663	ug/L	
12) 1,1-Dichloroethene	3.88	96	4148m	0.915	ug/L	
13) Acetone	3.96	43	4030m	2.703	ug/L	
14) Carbon disulfide	4.21	76	8195	0.586	ug/L #	82
15) Methyl Acetate	4.49	43	1687m	0.494	ug/L	
16) Methylene chloride	4.72	84	12883	2.232	ug/L	91
17) Methyl tert-butyl Ether	5.22	73	7664m	0.556	ug/L	
18) trans-1,2-Dichloroethene	5.23	96	3003	0.593	ug/L #	85
19) 1,1-Dichloroethane	6.04	63	5294m	0.594	ug/L	
21) 2-Butanone	7.00	43	5796m	2.207	ug/L	
22) cis-1,2-Dichloroethene	6.99	96	2900	0.518	ug/L #	63

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Quant Time: Nov 14 07:57:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 16:30:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	7.35	128	1620	0.663 ug/L #	69
25) Chloroform	7.52	83	11767	1.225 ug/L	77
27) 1,2-Dichloroethane	8.24	62	3869	0.603 ug/L #	93
30) Cyclohexane	7.80	56	4896	0.563 ug/L #	80
31) 1,1,1-Trichloroethane	7.71	97	4045	0.515 ug/L #	93
32) Carbon tetrachloride	7.91	117	3851	0.563 ug/L #	62
34) Benzene	8.18	78	12253	0.588 ug/L	100
35) Trichloroethene	8.96	95	3251m	0.595 ug/L	
36) Methylcyclohexane	9.18	83	5124	0.548 ug/L #	27
40) 1,2-Dichloropropane	9.22	63	2796	0.529 ug/L	98
41) Bromodichloromethane	9.50	83	4152	0.611 ug/L #	81
42) cis-1,3-Dichloropropene	9.94	75	3916	0.460 ug/L	85
43) 4-Methyl-2-pentanone	10.07	43	7306	1.446 ug/L #	94
44) Toluene	10.25	91	12941	0.574 ug/L	95
45) trans-1,3-Dichloropropene	10.47	75	4627	0.633 ug/L #	80
46) 1,1,2-Trichloroethane	10.65	97	2402	0.554 ug/L #	80
47) Tetrachloroethene	10.72	164	2350	0.576 ug/L #	77
49) 2-Hexanone	10.83	43	6255	1.590 ug/L #	60
50) Dibromochloromethane	10.99	129	2563	0.524 ug/L	78
51) 1,2-Dibromoethane	11.10	107	2219	0.526 ug/L #	89
52) Chlorobenzene	11.52	112	8544	0.598 ug/L	92
53) Ethylbenzene	11.60	91	14228	0.558 ug/L	88
54) m,p-Xylene	11.70	106	5969	0.619 ug/L	96
55) o-xylene	12.03	106	5143	0.543 ug/L	98
56) Styrene	12.05	104	7261	0.462 ug/L	98
57) Isopropylbenzene	12.33	105	14324	0.581 ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	3725	0.689 ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	2196	0.500 ug/L	94
62) Bromoform	12.20	173	1428	0.510 ug/L #	98
63) 1,3-Dichlorobenzene	13.37	146	6597	0.627 ug/L	92
64) 1,4-Dichlorobenzene	13.44	146	6475	0.616 ug/L	96
65) 1,2-Dichlorobenzene	13.74	146	6166	0.633 ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.36	75	671m	0.725 ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	4127	0.563 ug/L	93
68) 1,2,4-trichlorobenzene	15.01	180	4010	0.612 ug/L	92
69) Naphthalene	15.23	128	9108	0.558 ug/L #	94
70) 1,2,3-Trichlorobenzene	15.42	180	3390	0.557 ug/L #	83

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

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