Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120120\
Data File : VY003636.D
Acq On : 01 Dec 2020 16:21
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Manual Integrations APPROVED
MMDadoda
12/2/2020 1:29:08 PM

Quant Time: Dec 02 02:31:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM120120SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 02 02:29:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	242039	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	220944	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	109214	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	63700	20.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.56%			
7) Chloroethane-d5	2.77	69	51986	21.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.76%			
11) 1,1-Dichloroethene-d2	3.86	63	100843	16.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 64.08%			
21) 2-Butanone-d5	6.90	46	63529	46.79	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.58%			
24) Chloroform-d	7.48	84	128062	20.86	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 83.44%			
26) 1,2-Dichloroethane-d4	8.15	65	73196	22.02	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.08%			
32) Benzene-d6	8.11	84	271975	21.66	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 86.64%			
36) 1,2-Dichloropropane-d6	9.12	67	84110	22.00	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.00%			
41) Toluene-d8	10.18	98	243511	21.71	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 86.84%			
43) trans-1,3-Dichloropropene-	10.43	79	38181	21.33	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 85.32%			
47) 2-Hexanone-d5	10.79	63	46690	45.69	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.38%			
56) 1,1,2,2-Tetrachloroethane-	12.56	84	83516	21.60	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 86.40%			
66) 1,2-Dichlorobenzene-d4	13.72	152	86714	22.37	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	3834	1.365	ug/L	96
3) Chloromethane	2.12	50	4247	1.394	ug/L	94
5) Vinyl chloride	2.25	62	4611	1.411	ug/L #	61
6) Bromomethane	2.66	94	2882	1.408	ug/L	90
8) Chloroethane	2.80	64	2437	1.194	ug/L	95
9) Trichlorofluoromethane	3.14	101	7102	1.432	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	5535m	1.671	ug/L	
12) 1,1-Dichloroethene	3.89	96	5006	1.591	ug/L #	1
13) Acetone	3.96	43	3438m	3.533	ug/L	
14) Carbon disulfide	4.20	76	12336	1.187	ug/L	99
15) Methyl Acetate	4.48	43	3325m	1.419	ug/L	
16) Methylene chloride	4.73	84	14366	3.516	ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	4423m	1.280	ug/L	
18) Methyl tert-butyl Ether	5.23	73	10026m	1.187	ug/L	
19) 1,1-Dichloroethane	6.03	63	7416	1.275	ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	4761	1.314	ug/L #	48
22) 2-Butanone	7.00	43	6251	3.821	ug/L	93

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Quant Time: Dec 02 02:31:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM120120SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 02 02:29:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.34	128	2115	1.197	ug/L		89
25) Chloroform	7.51	83	8193	1.406	ug/L		87
27) 1,2-Dichloroethane	8.25	62	5119	1.334	ug/L	#	83
29) Cyclohexane	7.79	56	6507	1.240	ug/L		97
30) 1,1,1-Trichloroethane	7.70	97	6691	1.328	ug/L	#	76
31) Carbon tetrachloride	7.90	117	5833	1.283	ug/L		97
33) Benzene	8.16	78	17509	1.297	ug/L		100
34) Trichloroethene	8.94	95	4447	1.319	ug/L		91
35) Methylcyclohexane	9.18	83	7178	1.246	ug/L		98
37) 1,2-Dichloropropane	9.22	63	4294	1.253	ug/L	#	89
38) Bromodichloromethane	9.50	83	5223	1.211	ug/L	#	96
39) cis-1,3-Dichloropropene	9.93	75	6416	1.212	ug/L		100
40) 4-Methyl-2-pentanone	10.07	43	8562	2.845	ug/L		100
42) Toluene	10.24	91	18092	1.275	ug/L		94
44) trans-1,3-Dichloropropene	10.46	75	7633	1.562	ug/L		95
45) 1,1,2-Trichloroethane	10.64	97	3561	1.237	ug/L		95
46) Tetrachloroethene	10.72	164	3844	1.333	ug/L		96
48) 2-Hexanone	10.83	43	5709	2.599	ug/L		97
49) Dibromochloromethane	10.98	129	4488	1.349	ug/L		86
50) 1,2-Dibromoethane	11.09	107	3515	1.263	ug/L	#	97
51) Chlorobenzene	11.51	112	12538	1.372	ug/L		100
52) Ethylbenzene	11.59	91	19112	1.259	ug/L		97
53) m,p-Xylene	11.70	106	7610	1.282	ug/L		88
54) o-Xylene	12.03	106	6803	1.213	ug/L		97
55) Styrene	12.04	104	10723	1.118	ug/L		89
57) 1,1,2,2-Tetrachloroethane	12.58	83	5205	1.365	ug/L	#	89
59) Bromoform	12.21	173	2697	1.258	ug/L		98
60) Isopropylbenzene	12.32	105	16864	1.208	ug/L		99
61) 1,2,3-Trichloropropane	12.64	75	3469	1.328	ug/L		95
62) 1,3,5-Trimethylbenzene	12.81	105	12669	1.144	ug/L		96
63) 1,2,4-Trimethylbenzene	13.12	105	12915	1.181	ug/L		97
64) 1,3-Dichlorobenzene	13.37	146	9129	1.351	ug/L		92
65) 1,4-Dichlorobenzene	13.45	146	9443	1.376	ug/L		99
67) 1,2-Dichlorobenzene	13.74	146	8178	1.289	ug/L		94
68) 1,2-Dibromo-3-chloropropan	14.35	75	817m	1.348	ug/L		
69) 1,3,5-Trichlorobenzene	14.50	180	6051	1.275	ug/L		91
70) 1,2,4-trichlorobenzene	15.01	180	5527	1.367	ug/L		97
71) Naphthalene	15.23	128	9766	1.107	ug/L		98
72) 1,2,3-Trichlorobenzene	15.42	180	5116	1.378	ug/L		95

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

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