Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122920\
Data File : VY003856.D
Acq On : 29 Dec 2020 17:06
Operator : SY/MD
Sample : L4485-02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-02

Manual Integrations APPROVED
MMDadoda
12/30/2020 6:36:27 PM

Quant Time: Dec 30 07:35:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM122920SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 30 07:32:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	332244	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	312225	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	170267	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	120378	21.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.68%			
7) Chloroethane-d5	2.77	69	103792	23.34	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.36%			
11) 1,1-Dichloroethene-d2	3.86	63	172485	17.78	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 71.12%			
21) 2-Butanone-d5	6.89	46	103788	48.55	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.10%			
24) Chloroform-d	7.48	84	216641	23.61	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.44%			
26) 1,2-Dichloroethane-d4	8.14	65	141095	24.14	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.56%			
32) Benzene-d6	8.11	84	423775	24.41	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.64%			
36) 1,2-Dichloropropane-d6	9.12	67	129501	25.29	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 101.16%			
41) Toluene-d8	10.18	98	405457	24.67	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 98.68%			
43) trans-1,3-Dichloropropene-	10.43	79	69590	24.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.36%			
47) 2-Hexanone-d5	10.78	63	76942	48.46	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.92%			
56) 1,1,2,2-Tetrachloroethane-	12.56	84	125179	24.87	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.48%			
66) 1,2-Dichlorobenzene-d4	13.72	152	162211	26.07	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 104.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	7435	1.336	ug/L	97
3) Chloromethane	2.12	50	7653	1.228	ug/L	96
5) Vinyl chloride	2.25	62	7797	1.179	ug/L #	76
6) Bromomethane	2.66	94	4941	1.222	ug/L	90
8) Chloroethane	2.80	64	4863	1.218	ug/L	90
9) Trichlorofluoromethane	3.13	101	10779	1.220	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	7288m	1.571	ug/L	
12) 1,1-Dichloroethene	3.88	96	6396	1.469	ug/L #	1
13) Acetone	3.95	43	4835	3.032	ug/L	76
14) Carbon disulfide	4.20	76	16592	1.132	ug/L	98
15) Methyl Acetate	4.49	43	3874	1.056	ug/L #	87
16) Methylene chloride	4.73	84	12249	2.299	ug/L	92
17) trans-1,2-Dichloroethene	5.22	96	5753	1.207	ug/L	81
18) Methyl tert-butyl Ether	5.22	73	15052	1.069	ug/L #	91
19) 1,1-Dichloroethane	6.03	63	9445m	1.097	ug/L	
20) cis-1,2-Dichloroethene	6.99	96	5985	1.162	ug/L	87
22) 2-Butanone	7.00	43	6130	2.480	ug/L	83

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM122920SMA.M
Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.34	128	2896	1.137	ug/L		92
25) Chloroform	7.51	83	13751	1.523	ug/L		95
27) 1,2-Dichloroethane	8.24	62	8348	1.190	ug/L		98
29) Cyclohexane	7.79	56	9213	1.126	ug/L		98
30) 1,1,1-Trichloroethane	7.70	97	9452	1.125	ug/L	#	87
31) Carbon tetrachloride	7.90	117	8303	1.068	ug/L		95
33) Benzene	8.16	78	21158	1.109	ug/L		100
34) Trichloroethene	8.94	95	5788	1.097	ug/L		96
35) Methylcyclohexane	9.19	83	8560	0.997	ug/L		89
37) 1,2-Dichloropropane	9.22	63	5634	1.160	ug/L	#	95
38) Bromodichloromethane	9.49	83	8164	1.193	ug/L		93
39) cis-1,3-Dichloropropene	9.93	75	8988	1.083	ug/L		91
40) 4-Methyl-2-pentanone	10.07	43	11880	2.290	ug/L		99
42) Toluene	10.24	91	24383	1.155	ug/L		93
44) trans-1,3-Dichloropropene	10.47	75	12530	1.564	ug/L		94
45) 1,1,2-Trichloroethane	10.64	97	4793	1.149	ug/L		92
46) Tetrachloroethene	10.72	164	5361	1.175	ug/L		90
48) 2-Hexanone	10.83	43	7310	1.934	ug/L	#	89
49) Dibromochloromethane	10.98	129	5841	1.106	ug/L		82
50) 1,2-Dibromoethane	11.09	107	4746	1.152	ug/L		99
51) Chlorobenzene	11.51	112	15547	1.139	ug/L		98
52) Ethylbenzene	11.59	91	26322	1.113	ug/L		99
53) m,p-Xylene	11.70	106	9856	1.099	ug/L		69
54) o-Xylene	12.03	106	9329	1.068	ug/L		97
55) Styrene	12.04	104	15369	1.018	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.57	83	6720	1.361	ug/L		83
59) Bromoform	12.20	173	4162	1.133	ug/L	#	94
60) Isopropylbenzene	12.32	105	25186	1.119	ug/L		99
61) 1,2,3-Trichloropropane	12.63	75	4852	1.160	ug/L	#	83
62) 1,3,5-Trimethylbenzene	12.81	105	20445	1.094	ug/L		99
63) 1,2,4-Trimethylbenzene	13.12	105	19897	1.050	ug/L		97
64) 1,3-Dichlorobenzene	13.36	146	12882	1.181	ug/L		95
65) 1,4-Dichlorobenzene	13.44	146	13502	1.223	ug/L		91
67) 1,2-Dichlorobenzene	13.73	146	12735	1.247	ug/L		96
68) 1,2-Dibromo-3-chloropropan	14.35	75	1453	1.398	ug/L	#	66
69) 1,3,5-Trichlorobenzene	14.50	180	10555	1.242	ug/L		96
70) 1,2,4-trichlorobenzene	15.00	180	8650	1.200	ug/L		99
71) Naphthalene	15.23	128	16354	1.087	ug/L		97
72) 1,2,3-Trichlorobenzene	15.42	180	8242	1.295	ug/L		99

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

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