Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122220\
Data File : VY003830.D
Acq On : 22 Dec 2020 09:59
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025414

Quant Time: Dec 23 00:20:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM120720SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 08 12:35:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	277665	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	260384	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	137782	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	57527	19.89	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.56%			
7) Chloroethane-d5	2.77	69	50990	21.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.92%			
11) 1,1-Dichloroethene-d2	3.86	63	133851	22.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 88.08%			
21) 2-Butanone-d5	6.90	46	65943	47.01	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 94.02%			
24) Chloroform-d	7.48	84	149956	24.25	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.00%			
26) 1,2-Dichloroethane-d4	8.14	65	82470	24.11	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.44%			
32) Benzene-d6	8.11	84	303427	23.53	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.12%			
36) 1,2-Dichloropropane-d6	9.12	67	89765	22.90	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.60%			
41) Toluene-d8	10.18	98	279891	24.13	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.52%			
43) trans-1,3-Dichloropropene-	10.43	79	45644	24.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 97.16%			
47) 2-Hexanone-d5	10.79	63	56179	50.67	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.34%			
56) 1,1,2,2-Tetrachloroethane-	12.56	84	96203	26.58	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.32%			
66) 1,2-Dichlorobenzene-d4	13.72	152	110066	24.59	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	73426	25.267	ug/L	99
3) Chloromethane	2.12	50	84073	25.221	ug/L	99
5) Vinyl chloride	2.26	62	94276	28.048	ug/L	93
6) Bromomethane	2.66	94	59994	27.756	ug/L	87
8) Chloroethane	2.80	64	54916	26.133	ug/L	96
9) Trichlorofluoromethane	3.14	101	148416	28.176	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	93000	26.811	ug/L #	75
12) 1,1-Dichloroethene	3.88	96	88707	26.846	ug/L	93
13) Acetone	3.96	43	46366	48.215	ug/L #	50
14) Carbon disulfide	4.20	76	277598	25.965	ug/L	97
15) Methyl Acetate	4.48	43	58004	23.811	ug/L #	76
16) Methylene chloride	4.73	84	107698	22.185	ug/L	93
17) trans-1,2-Dichloroethene	5.23	96	97881	26.556	ug/L	89
18) Methyl tert-butyl Ether	5.23	73	250798	26.957	ug/L #	93
19) 1,1-Dichloroethane	6.03	63	157643	25.755	ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	108766	27.542	ug/L	74
22) 2-Butanone	6.99	43	76679	45.108	ug/L	81

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Instrument : MSVOA_Y
ClientSampleId : VSTD025414

Quant Time: Dec 23 00:20:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM120720SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 08 12:35:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.34	128	52959	26.950	ug/L		92
25) Chloroform	7.51	83	166660	26.679	ug/L		95
27) 1,2-Dichloroethane	8.24	62	114311	27.250	ug/L		98
29) Cyclohexane	7.79	56	145669	26.237	ug/L		94
30) 1,1,1-Trichloroethane	7.70	97	151919	28.037	ug/L		98
31) Carbon tetrachloride	7.90	117	138561	28.241	ug/L		94
33) Benzene	8.16	78	391652	26.596	ug/L		100
34) Trichloroethene	8.94	95	105441	26.608	ug/L		95
35) Methylcyclohexane	9.18	83	169996	27.235	ug/L		98
37) 1,2-Dichloropropane	9.22	63	95308	25.902	ug/L		98
38) Bromodichloromethane	9.50	83	128853	27.373	ug/L		90
39) cis-1,3-Dichloropropene	9.93	75	157766	27.184	ug/L		96
40) 4-Methyl-2-pentanone	10.07	43	164814	49.486	ug/L		97
42) Toluene	10.24	91	433772	27.654	ug/L		99
44) trans-1,3-Dichloropropene	10.47	75	147833	27.352	ug/L		95
45) 1,1,2-Trichloroethane	10.65	97	86404	26.899	ug/L		89
46) Tetrachloroethene	10.72	164	88223	27.709	ug/L		94
48) 2-Hexanone	10.83	43	118677	51.094	ug/L	#	95
49) Dibromochloromethane	10.98	129	104964	28.355	ug/L		90
50) 1,2-Dibromoethane	11.09	107	84025	27.104	ug/L	#	94
51) Chlorobenzene	11.51	112	282377	27.237	ug/L		96
52) Ethylbenzene	11.59	91	465726	27.523	ug/L		100
53) m,p-Xylene	11.70	106	185021	27.961	ug/L		97
54) o-Xylene	12.03	106	176035	27.838	ug/L		98
55) Styrene	12.04	104	304686	28.210	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.58	83	99940	28.677	ug/L		98
59) Bromoform	12.21	173	71793	27.961	ug/L	#	94
60) Isopropylbenzene	12.33	105	467165	27.880	ug/L		99
61) 1,2,3-Trichloropropane	12.64	75	80072	26.052	ug/L		96
62) 1,3,5-Trimethylbenzene	12.81	105	377889	28.439	ug/L		99
63) 1,2,4-Trimethylbenzene	13.12	105	375622	28.460	ug/L		99
64) 1,3-Dichlorobenzene	13.37	146	226448	27.881	ug/L		96
65) 1,4-Dichlorobenzene	13.45	146	224552	27.302	ug/L		97
67) 1,2-Dichlorobenzene	13.74	146	206814	27.380	ug/L		96
68) 1,2-Dibromo-3-chloropropan	14.35	75	17561	26.009	ug/L	#	87
69) 1,3,5-Trichlorobenzene	14.50	180	158113	27.467	ug/L		97
70) 1,2,4-trichlorobenzene	15.00	180	133735	27.330	ug/L		94
71) Naphthalene	15.23	128	277294	26.701	ug/L		99
72) 1,2,3-Trichlorobenzene	15.42	180	120081	26.759	ug/L		97

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

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