Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051921\
Data File : VY004851.D
Acq On : 19 May 2021 15:45
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025139

Quant Time: May 20 03:08:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLM051921SMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 20 02:58:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	309637	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	289665	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	143709	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	130197	25.80	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.20%			
7) Chloroethane-d5	2.765	69	96917	26.07	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.28%			
11) 1,1-Dichloroethene-d2	3.857	63	229884	26.17	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 104.68%			
21) 2-Butanone-d5	6.899	46	119481	57.08	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 114.16%			
24) Chloroform-d	7.490	84	208712	26.28	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 105.12%			
26) 1,2-Dichloroethane-d4	8.149	65	133457	26.65	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.60%			
32) Benzene-d6	8.118	84	453072	26.11	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 104.44%			
36) 1,2-Dichloropropane-d6	9.124	67	147431	26.19	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.76%			
41) Toluene-d8	10.179	98	413897	26.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 105.16%			
43) trans-1,3-Dichloroprop...	10.441	79	71042	26.53	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 106.12%			
47) 2-Hexanone-d5	10.788	63	91171	59.30	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.60%			
56) 1,1,2,2-Tetrachloroeth...	12.563	84	138842	27.99	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 111.96%			
66) 1,2-Dichlorobenzene-d4	13.721	152	134953	25.98	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	108565	26.29	ug/L	99
3) Chloromethane	2.113	50	133647	26.41	ug/L	99
5) Vinyl chloride	2.253	62	139121	25.73	ug/L	99
6) Bromomethane	2.656	94	60236	28.36	ug/L	98
8) Chloroethane	2.796	64	82605	26.23	ug/L	99
9) Trichlorofluoromethane	3.131	101	177525	25.69	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	107670	26.22	ug/L	99
12) 1,1-Dichloroethene	3.875	96	101541	26.54	ug/L	90
13) Acetone	3.960	43	76017	61.46	ug/L	99
14) Carbon disulfide	4.198	76	319180	25.94	ug/L	100
15) Methyl Acetate	4.491	43	98829	28.65	ug/L	100
16) Methylene chloride	4.722	84	127157	23.93	ug/L	100
17) trans-1,2-Dichloroethene	5.228	96	109796	26.47	ug/L	92
18) Methyl tert-butyl Ether	5.235	73	331861	27.85	ug/L	100
19) 1,1-Dichloroethane	6.027	63	212158	26.81	ug/L	98
20) cis-1,2-Dichloroethene	6.996	96	120117	26.92	ug/L	96
22) 2-Butanone	6.996	43	128816	60.16	ug/L	99
23) Bromochloromethane	7.344	128	57709	27.43	ug/L	97
25) Chloroform	7.515	83	217301	26.80	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	154036	27.50	ug/L	99
29) Cyclohexane	7.789	56	197516	26.29	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	180087	26.39	ug/L	99
31) Carbon tetrachloride	7.905	117	145209	26.99	ug/L	100
33) Benzene	8.167	78	476783	26.68	ug/L	100
34) Trichloroethene	8.941	95	119357	26.43	ug/L	99
35) Methylcyclohexane	9.185	83	199202	26.25	ug/L	99
37) 1,2-Dichloropropane	9.222	63	130719	27.40	ug/L	100
38) Bromodichloromethane	9.496	83	159758	27.18	ug/L	100
39) cis-1,3-Dichloropropene	9.929	75	201886	27.27	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	290292	57.10	ug/L	98
42) Toluene	10.246	91	511992	27.09	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	188704	27.45	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	102142	27.57	ug/L	98
46) Tetrachloroethene	10.721	164	87500	25.71	ug/L	98
48) 2-Hexanone	10.837	43	211593	61.66	ug/L	100
49) Dibromochloromethane	10.984	129	115409	27.64	ug/L	96
50) 1,2-Dibromoethane	11.093	107	99558	27.80	ug/L	99
51) Chlorobenzene	11.514	112	312945	26.77	ug/L	97
52) Ethylbenzene	11.593	91	548379	26.90	ug/L	99
53) m,p-Xylene	11.703	106	202803	26.85	ug/L	98
54) o-Xylene	12.032	106	198977	27.62	ug/L	100
55) Styrene	12.044	104	345343	27.83	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.581	83	129415	28.61	ug/L	99
59) Bromoform	12.209	173	73667	26.89	ug/L	100
60) Isopropylbenzene	12.331	105	527617	26.11	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	106343	27.20	ug/L	100
62) 1,3,5-Trimethylbenzene	12.812	105	432412	26.62	ug/L	99
63) 1,2,4-Trimethylbenzene	13.117	105	436899	26.94	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	226731	26.34	ug/L	99
65) 1,4-Dichlorobenzene	13.447	146	229545	26.34	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	207909	26.05	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	24323	27.35	ug/L	86
69) 1,3,5-Trichlorobenzene	14.501	180	150465	25.98	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	129989	26.82	ug/L	98
71) Naphthalene	15.233	128	346684	28.39	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	118687	26.97	ug/L	99

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

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