Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052421\
Data File : VY004866.D
Acq On : 24 May 2021 13:13
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025145

Quant Time: May 25 01:16:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLM051921SMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 25 01:15:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	293867	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	270469	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	130555	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	110598	23.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.36%			
7) Chloroethane-d5	2.765	69	85511	24.23	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.92%			
11) 1,1-Dichloroethene-d2	3.857	63	206637	24.79	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 99.16%			
21) 2-Butanone-d5	6.899	46	106178	53.45	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.90%			
24) Chloroform-d	7.484	84	189810	25.18	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.72%			
26) 1,2-Dichloroethane-d4	8.149	65	116185	24.45	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.80%			
32) Benzene-d6	8.118	84	409165	25.26	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.04%			
36) 1,2-Dichloropropane-d6	9.124	67	131630	25.04	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 100.16%			
41) Toluene-d8	10.185	98	359444	24.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.80%			
43) trans-1,3-Dichloroprop...	10.441	79	59861	23.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.76%			
47) 2-Hexanone-d5	10.788	63	75432	52.55	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.10%			
56) 1,1,2,2-Tetrachloroeth...	12.562	84	115465	24.93	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.72%			
66) 1,2-Dichlorobenzene-d4	13.721	152	113386	24.03	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	100890	25.75	ug/L	99
3) Chloromethane	2.119	50	126174	26.27	ug/L	100
5) Vinyl chloride	2.253	62	131221	25.57	ug/L	97
6) Bromomethane	2.656	94	57245	28.40	ug/L	100
8) Chloroethane	2.802	64	77902	26.06	ug/L	98
9) Trichlorofluoromethane	3.131	101	166020	25.31	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	105146	26.98	ug/L	99
12) 1,1-Dichloroethene	3.881	96	98696	27.18	ug/L	96
13) Acetone	3.960	43	59364	50.57	ug/L	97
14) Carbon disulfide	4.198	76	314754	26.95	ug/L	99
15) Methyl Acetate	4.485	43	90401	27.62	ug/L	99
16) Methylene chloride	4.722	84	121970	24.19	ug/L	98
17) trans-1,2-Dichloroethene	5.228	96	104988	26.67	ug/L	97
18) Methyl tert-butyl Ether	5.234	73	303375	26.83	ug/L	99
19) 1,1-Dichloroethane	6.027	63	201614	26.84	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	114049	26.93	ug/L	98
22) 2-Butanone	6.996	43	111681	54.95	ug/L	100
23) Bromochloromethane	7.344	128	53608	26.85	ug/L	98
25) Chloroform	7.515	83	204093	26.52	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	140557	26.44	ug/L	99
29) Cyclohexane	7.789	56	192131	27.39	ug/L	100
30) 1,1,1-Trichloroethane	7.710	97	173727	27.27	ug/L	98
31) Carbon tetrachloride	7.905	117	138250	27.52	ug/L	99
33) Benzene	8.167	78	451183	27.03	ug/L	100
34) Trichloroethene	8.941	95	112745	26.74	ug/L	98
35) Methylcyclohexane	9.185	83	187167	26.41	ug/L	99
37) 1,2-Dichloropropane	9.222	63	116685	26.19	ug/L	99
38) Bromodichloromethane	9.502	83	148685	27.09	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	183138	26.50	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	255590	53.84	ug/L	99
42) Toluene	10.246	91	463373	26.26	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	170090	26.50	ug/L	98
45) 1,1,2-Trichloroethane	10.648	97	89408	25.85	ug/L	98
46) Tetrachloroethene	10.721	164	80903	25.46	ug/L	96
48) 2-Hexanone	10.837	43	179251	55.95	ug/L	99
49) Dibromochloromethane	10.990	129	103017	26.43	ug/L	100
50) 1,2-Dibromoethane	11.093	107	86107	25.75	ug/L	98
51) Chlorobenzene	11.520	112	284142	26.03	ug/L	98
52) Ethylbenzene	11.593	91	505407	26.55	ug/L	99
53) m,p-Xylene	11.703	106	188314	26.70	ug/L	98
54) o-Xylene	12.032	106	179174	26.64	ug/L	94
55) Styrene	12.044	104	313375	27.04	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.581	83	113181	26.80	ug/L	100
59) Bromoform	12.209	173	65930	26.49	ug/L	99
60) Isopropylbenzene	12.331	105	482286	26.27	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	91284	25.70	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	393379	26.66	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	392673	26.66	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	202843	25.94	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	202882	25.62	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	187425	25.85	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	20161	24.96	ug/L	97
69) 1,3,5-Trichlorobenzene	14.501	180	136349	25.92	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	113270	25.73	ug/L	99
71) Naphthalene	15.239	128	295568	26.64	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	103420	25.87	ug/L	99

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

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