Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100921\
Data File : VY006354.D
Acq On : 08 Oct 2021 12:29
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025892

Quant Time: Oct 09 00:42:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLM100521SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 09 00:39:56 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	191463	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.495	117	188367	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	99663	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	70855	21.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.16%			
7) Chloroethane-d5	2.765	69	55980	22.73	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.92%			
11) 1,1-Dichloroethene-d2	3.863	63	121550	22.34	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 89.36%			
21) 2-Butanone-d5	6.899	46	59035	66.54	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 133.08%			
24) Chloroform-d	7.484	84	120719	25.03	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.12%			
26) 1,2-Dichloroethane-d4	8.149	65	84453	26.66	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.64%			
32) Benzene-d6	8.118	84	240824	23.23	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.92%			
36) 1,2-Dichloropropane-d6	9.124	67	74801	24.59	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.36%			
41) Toluene-d8	10.185	98	227866	23.08	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.32%			
43) trans-1,3-Dichloroprop...	10.441	79	39901	25.21	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.84%			
47) 2-Hexanone-d5	10.788	63	43894	65.25	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 130.50%			
56) 1,1,2,2-Tetrachloroeth...	12.562	84	68940	29.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 116.08%			
66) 1,2-Dichlorobenzene-d4	13.727	152	86674	25.21	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	90585	25.31	ug/L	100
3) Chloromethane	2.119	50	83689	23.90	ug/L	97
5) Vinyl chloride	2.259	62	96100	23.46	ug/L	99
6) Bromomethane	2.662	94	48144	25.91	ug/L	99
8) Chloroethane	2.802	64	56200	24.24	ug/L	99
9) Trichlorofluoromethane	3.137	101	119208	23.55	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.911	101	57771	22.60	ug/L	91
12) 1,1-Dichloroethene	3.881	96	59192	23.99	ug/L	94
13) Acetone	3.954	43	54937	54.20	ug/L	98
14) Carbon disulfide	4.204	76	202538	22.68	ug/L	98
15) Methyl Acetate	4.485	43	48778	30.82	ug/L	99
16) Methylene chloride	4.728	84	73221	21.69	ug/L	95
17) trans-1,2-Dichloroethene	5.234	96	64537	24.90	ug/L	99
18) Methyl tert-butyl Ether	5.228	73	193728	28.57	ug/L	97
19) 1,1-Dichloroethane	6.027	63	121774	25.92	ug/L	99
20) cis-1,2-Dichloroethene	6.996	96	72565	26.71	ug/L	94
22) 2-Butanone	6.996	43	70247	62.26	ug/L	100
23) Bromochloromethane	7.338	128	33920	27.46	ug/L	90
25) Chloroform	7.515	83	136573	26.54	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.240	62	103564	28.31	ug/L		97
29) Cyclohexane	7.789	56	111033	22.91	ug/L		97
30) 1,1,1-Trichloroethane	7.703	97	117465	24.56	ug/L		100
31) Carbon tetrachloride	7.905	117	103944	24.02	ug/L		98
33) Benzene	8.167	78	288288	25.06	ug/L		100
34) Trichloroethene	8.941	95	71802	24.57	ug/L		96
35) Methylcyclohexane	9.185	83	114817	22.50	ug/L		99
37) 1,2-Dichloropropane	9.222	63	70546	25.63	ug/L		99
38) Bromodichloromethane	9.502	83	99486	26.34	ug/L		98
39) cis-1,3-Dichloropropene	9.935	75	117461	26.85	ug/L		97
40) 4-Methyl-2-pentanone	10.075	43	142905	64.73	ug/L		99
42) Toluene	10.246	91	311049	25.01	ug/L		98
44) trans-1,3-Dichloropropene	10.465	75	111251	26.94	ug/L		100
45) 1,1,2-Trichloroethane	10.648	97	56779	27.93	ug/L		98
46) Tetrachloroethene	10.721	164	56377	23.37	ug/L		95
48) 2-Hexanone	10.837	43	107932	62.66	ug/L		98
49) Dibromochloromethane	10.983	129	70957	27.80	ug/L		98
50) 1,2-Dibromoethane	11.093	107	54345	28.66	ug/L		99
51) Chlorobenzene	11.520	112	189328	25.14	ug/L		99
52) Ethylbenzene	11.593	91	325751	24.56	ug/L		98
53) m,p-Xylene	11.703	106	126134	24.84	ug/L		98
54) o-Xylene	12.032	106	124410	25.56	ug/L		99
55) Styrene	12.044	104	219324	25.85	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.581	83	64146	28.94	ug/L	#	97
59) Bromoform	12.209	173	48002	28.54	ug/L	#	97
60) Isopropylbenzene	12.331	105	322352	23.96	ug/L		99
61) 1,2,3-Trichloropropane	12.636	75	57714	29.52	ug/L		98
62) 1,3,5-Trimethylbenzene	12.812	105	268870	24.54	ug/L		98
63) 1,2,4-Trimethylbenzene	13.123	105	269186	24.89	ug/L		100
64) 1,3-Dichlorobenzene	13.367	146	149671	24.82	ug/L		98
65) 1,4-Dichlorobenzene	13.446	146	151528	24.99	ug/L		97
67) 1,2-Dichlorobenzene	13.739	146	139130	25.39	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.355	75	14419	30.61	ug/L		94
69) 1,3,5-Trichlorobenzene	14.501	180	105383	24.71	ug/L		99
70) 1,2,4-trichlorobenzene	15.007	180	86799	25.18	ug/L		99
71) Naphthalene	15.239	128	200926	29.83	ug/L		99
72) 1,2,3-Trichlorobenzene	15.422	180	81165	27.10	ug/L		98

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

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