Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012621\
Data File : VY003941.D
Acq On : 26 Jan 2021 17:56
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025207

Quant Time: Jan 27 05:23:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLM012621SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 26 14:06:12 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.697	114	212178	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.496	117	201670	25.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	108016	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.253	65	98997	23.13	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.52%				
7) Chloroethane-d5	2.772	69	74096	22.68	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.72%				
11) 1,1-Dichloroethene-d2	3.869	63	159585	23.33	ug/L		0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 93.32%				
21) 2-Butanone-d5	6.905	46	59388	43.96	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 87.92%				
24) Chloroform-d	7.490	84	146653	23.38	ug/L		0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.52%				
26) 1,2-Dichloroethane-d4	8.149	65	83255	21.93	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.72%				
32) Benzene-d6	8.118	84	271705	22.25	ug/L		0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.00%				
36) 1,2-Dichloropropane-d6	9.130	67	89145	23.61	ug/L		0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.44%				
41) Toluene-d8	10.185	98	270753	23.26	ug/L		0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.04%				
43) trans-1,3-Dichloroprop...	10.441	79	45250	23.23	ug/L		0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 92.92%				
47) 2-Hexanone-d5	10.788	63	46319	46.33	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.66%				
56) 1,1,2,2-Tetrachloroeth...	12.563	84	79974	22.88	ug/L		0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 91.52%				
66) 1,2-Dichlorobenzene-d4	13.727	152	95355	22.91	ug/L		0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.64%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.912	85	103580	25.19	ug/L		100
3) Chloromethane	2.119	50	118315	25.46	ug/L		97
5) Vinyl chloride	2.259	62	117492	26.17	ug/L		98
6) Bromomethane	2.662	94	69765	26.20	ug/L		96
8) Chloroethane	2.808	64	67386	23.93	ug/L		96
9) Trichlorofluoromethane	3.143	101	136944	25.00	ug/L		100
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	77953	25.09	ug/L		97
12) 1,1-Dichloroethene	3.887	96	75925	25.31	ug/L	#	71
13) Acetone	3.966	43	44892	43.64	ug/L		96
14) Carbon disulfide	4.210	76	259044	25.13	ug/L		99
15) Methyl Acetate	4.491	43	58484	24.32	ug/L		97
16) Methylene chloride	4.735	84	86892	23.32	ug/L		94
17) trans-1,2-Dichloroethene	5.241	96	82185	26.01	ug/L		89
18) Methyl tert-butyl Ether	5.241	73	230142	25.81	ug/L	#	94
19) 1,1-Dichloroethane	6.033	63	154256	26.29	ug/L		96
20) cis-1,2-Dichloroethene	7.003	96	88118	26.57	ug/L		87
22) 2-Butanone	7.003	43	75755	48.45	ug/L		94
23) Bromochloromethane	7.350	128	41263	25.93	ug/L		94
25) Chloroform	7.521	83	155169	26.21	ug/L		96

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Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.246	62	107281	24.21	ug/L		98
29) Cyclohexane	7.795	56	150352	26.40	ug/L		92
30) 1,1,1-Trichloroethane	7.716	97	141385	26.24	ug/L		98
31) Carbon tetrachloride	7.911	117	125080	25.95	ug/L		99
33) Benzene	8.173	78	320524	24.80	ug/L		100
34) Trichloroethene	8.947	95	86374	25.11	ug/L		95
35) Methylcyclohexane	9.185	83	151391	26.45	ug/L		91
37) 1,2-Dichloropropane	9.222	63	88986	25.75	ug/L		98
38) Bromodichloromethane	9.502	83	121793	26.76	ug/L		100
39) cis-1,3-Dichloropropene	9.935	75	144123	26.60	ug/L		98
40) 4-Methyl-2-pentanone	10.075	43	173458	51.48	ug/L		96
42) Toluene	10.246	91	370648	26.29	ug/L		98
44) trans-1,3-Dichloropropene	10.471	75	135394	26.84	ug/L		97
45) 1,1,2-Trichloroethane	10.648	97	70081	26.72	ug/L		97
46) Tetrachloroethene	10.721	164	73267	25.78	ug/L		98
48) 2-Hexanone	10.837	43	123591	51.15	ug/L		95
49) Dibromochloromethane	10.990	129	81024	24.91	ug/L		97
50) 1,2-Dibromoethane	11.087	107	65641	25.50	ug/L		95
51) Chlorobenzene	11.520	112	230005	26.00	ug/L		93
52) Ethylbenzene	11.593	91	414124	26.28	ug/L		96
53) m,p-Xylene	11.703	106	153046	25.98	ug/L		83
54) o-Xylene	12.032	106	150172	26.64	ug/L		91
55) Styrene	12.044	104	261373	26.72	ug/L		84
57) 1,1,2,2-Tetrachloroethane	12.581	83	87078	25.74	ug/L		98
59) Bromoform	12.209	173	59099	26.22	ug/L	#	98
60) Isopropylbenzene	12.331	105	411772	26.68	ug/L		98
61) 1,2,3-Trichloropropane	12.636	75	70302	25.80	ug/L		98
62) 1,3,5-Trimethylbenzene	12.812	105	353620	26.97	ug/L		95
63) 1,2,4-Trimethylbenzene	13.123	105	348900	27.03	ug/L		96
64) 1,3-Dichlorobenzene	13.367	146	188988	26.49	ug/L		98
65) 1,4-Dichlorobenzene	13.446	146	187547	26.27	ug/L		97
67) 1,2-Dichlorobenzene	13.739	146	174335	26.29	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.355	75	16206	24.36	ug/L		85
69) 1,3,5-Trichlorobenzene	14.501	180	137756	26.49	ug/L		98
70) 1,2,4-trichlorobenzene	15.007	180	115008	26.67	ug/L		100
71) Naphthalene	15.239	128	239561	26.58	ug/L		98
72) 1,2,3-Trichlorobenzene	15.422	180	104681	27.92	ug/L		98

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

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