Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020521\
Data File : VY003989.D
Acq On : 05 Feb 2021 16:25
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025509

Quant Time: Feb 06 03:45:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLM012621SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 06 03:42:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	214649	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	203147	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	108779	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	89941	20.77	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.08%			
7) Chloroethane-d5	2.772	69	70418	21.31	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.24%			
11) 1,1-Dichloroethene-d2	3.863	63	159888	23.10	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 92.40%			
21) 2-Butanone-d5	6.899	46	55054	40.29	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.58%			
24) Chloroform-d	7.490	84	138572	21.84	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.36%			
26) 1,2-Dichloroethane-d4	8.149	65	92220	24.01	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.04%			
32) Benzene-d6	8.118	84	276441	22.47	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.88%			
36) 1,2-Dichloropropane-d6	9.124	67	81919	21.54	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 86.16%			
41) Toluene-d8	10.185	98	258968	22.08	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 88.32%			
43) trans-1,3-Dichloroprop...	10.441	79	44705	22.79	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.16%			
47) 2-Hexanone-d5	10.788	63	40525	40.24	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.48%			
56) 1,1,2,2-Tetrachloroeth...	12.562	84	70617	20.06	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 80.24%			
66) 1,2-Dichlorobenzene-d4	13.727	152	92278	22.02	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	91986	22.12	ug/L	100
3) Chloromethane	2.119	50	102629	21.83	ug/L	97
5) Vinyl chloride	2.259	62	105752	23.29	ug/L	96
6) Bromomethane	2.668	94	62384	23.16	ug/L	100
8) Chloroethane	2.808	64	65296	22.92	ug/L	100
9) Trichlorofluoromethane	3.137	101	142937	25.80	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	72823	23.17	ug/L	98
12) 1,1-Dichloroethene	3.887	96	71176	23.46	ug/L	76
13) Acetone	3.960	43	44076	42.35	ug/L	92
14) Carbon disulfide	4.210	76	260289	24.96	ug/L	99
15) Methyl Acetate	4.491	43	52549	21.60	ug/L	97
16) Methylene chloride	4.729	84	82555	21.90	ug/L	95
17) trans-1,2-Dichloroethene	5.235	96	78271	24.49	ug/L	92
18) Methyl tert-butyl Ether	5.235	73	210909	23.38	ug/L #	95
19) 1,1-Dichloroethane	6.033	63	140389	23.65	ug/L	99
20) cis-1,2-Dichloroethene	6.996	96	82005	24.45	ug/L	94
22) 2-Butanone	6.996	43	65869	41.64	ug/L	97
23) Bromochloromethane	7.344	128	37303	23.17	ug/L	93
25) Chloroform	7.515	83	144864	24.18	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.246	62	111760	24.93	ug/L		96
29) Cyclohexane	7.795	56	139228	24.26	ug/L		96
30) 1,1,1-Trichloroethane	7.710	97	134191	24.72	ug/L		97
31) Carbon tetrachloride	7.911	117	120296	24.77	ug/L		98
33) Benzene	8.167	78	320881	24.64	ug/L		100
34) Trichloroethene	8.941	95	81497	23.52	ug/L		96
35) Methylcyclohexane	9.185	83	144215	25.01	ug/L		94
37) 1,2-Dichloropropane	9.222	63	78725	22.61	ug/L		100
38) Bromodichloromethane	9.502	83	108946	23.76	ug/L		96
39) cis-1,3-Dichloropropene	9.935	75	131474	24.09	ug/L		98
40) 4-Methyl-2-pentanone	10.075	43	146599	43.19	ug/L		96
42) Toluene	10.246	91	349337	24.60	ug/L		99
44) trans-1,3-Dichloropropene	10.471	75	123723	24.35	ug/L		99
45) 1,1,2-Trichloroethane	10.648	97	61918	23.43	ug/L		96
46) Tetrachloroethene	10.721	164	69221	24.18	ug/L		96
48) 2-Hexanone	10.837	43	106168	43.62	ug/L		95
49) Dibromochloromethane	10.990	129	76162	23.24	ug/L		91
50) 1,2-Dibromoethane	11.093	107	58620	22.61	ug/L		100
51) Chlorobenzene	11.520	112	211479	23.74	ug/L		96
52) Ethylbenzene	11.593	91	386819	24.37	ug/L		95
53) m,p-Xylene	11.703	106	143887	24.25	ug/L		86
54) o-Xylene	12.032	106	138898	24.46	ug/L		93
55) Styrene	12.044	104	246461	25.01	ug/L		87
57) 1,1,2,2-Tetrachloroethane	12.587	83	72181	21.18	ug/L		96
59) Bromoform	12.209	173	51600	22.73	ug/L	#	97
60) Isopropylbenzene	12.331	105	376857	24.25	ug/L		97
61) 1,2,3-Trichloropropane	12.636	75	59880	21.82	ug/L		98
62) 1,3,5-Trimethylbenzene	12.812	105	316654	23.98	ug/L		96
63) 1,2,4-Trimethylbenzene	13.123	105	316789	24.37	ug/L		97
64) 1,3-Dichlorobenzene	13.367	146	171338	23.85	ug/L		97
65) 1,4-Dichlorobenzene	13.446	146	172587	24.00	ug/L		97
67) 1,2-Dichlorobenzene	13.739	146	158873	23.79	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.361	75	14500	21.64	ug/L		85
69) 1,3,5-Trichlorobenzene	14.507	180	126890	24.23	ug/L		99
70) 1,2,4-trichlorobenzene	15.007	180	101072	23.27	ug/L		99
71) Naphthalene	15.239	128	204383	22.52	ug/L		99
72) 1,2,3-Trichlorobenzene	15.428	180	89101	23.60	ug/L		99

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

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