

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020521\
 Data File : VY003985.D
 Acq On : 05 Feb 2021 10:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025508

Quant Time: Feb 06 03:39:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 06 00:21:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	181118	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	174385	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	94734	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	100867	27.61	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	110.44%		
7) Chloroethane-d5	2.771	69	69104	24.78	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.12%		
11) 1,1-Dichloroethene-d2	3.869	63	139348	23.86	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	95.44%		
21) 2-Butanone-d5	6.899	46	50066	43.42	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	86.84%		
24) Chloroform-d	7.490	84	126392	23.61	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.44%		
26) 1,2-Dichloroethane-d4	8.149	65	84824	26.17	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	104.68%		
32) Benzene-d6	8.118	84	253995	24.05	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	96.20%		
36) 1,2-Dichloropropane-d6	9.130	67	71882	22.02	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	88.08%		
41) Toluene-d8	10.185	98	235342	23.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	93.52%		
43) trans-1,3-Dichloroprop...	10.441	79	40211	23.88	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	95.52%		
47) 2-Hexanone-d5	10.794	63	40352	46.68	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.36%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	68946	22.81	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.24%		
66) 1,2-Dichlorobenzene-d4	13.727	152	89033	24.39	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	97.56%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	98611	28.10	ug/L	100
3) Chloromethane	2.119	50	103097	25.99	ug/L	99
5) Vinyl chloride	2.259	62	111713	29.15	ug/L	96
6) Bromomethane	2.662	94	63077	27.76	ug/L	98
8) Chloroethane	2.802	64	59969	24.95	ug/L	98
9) Trichlorofluoromethane	3.137	101	138602	29.65	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.918	101	65746	24.79	ug/L	96
12) 1,1-Dichloroethene	3.887	96	62705	24.49	ug/L #	77
13) Acetone	3.960	43	38521	43.87	ug/L	99
14) Carbon disulfide	4.210	76	221253	25.14	ug/L	100
15) Methyl Acetate	4.491	43	44199	21.53	ug/L	99
16) Methylene chloride	4.735	84	68510	21.54	ug/L	99
17) trans-1,2-Dichloroethene	5.234	96	67408	24.99	ug/L	90
18) Methyl tert-butyl Ether	5.234	73	184847	24.28	ug/L	95
19) 1,1-Dichloroethane	6.033	63	116525	23.26	ug/L	98
20) cis-1,2-Dichloroethene	7.002	96	69087	24.41	ug/L	92
22) 2-Butanone	6.996	43	56520	42.35	ug/L	99
23) Bromochloromethane	7.344	128	33934	24.98	ug/L	94
25) Chloroform	7.515	83	126188	24.97	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	99180	26.22	ug/L	96
29) Cyclohexane	7.795	56	111862	22.71	ug/L	98
30) 1,1,1-Trichloroethane	7.710	97	118540	25.44	ug/L	100
31) Carbon tetrachloride	7.911	117	108498	26.03	ug/L	99
33) Benzene	8.167	78	279539	25.01	ug/L	100
34) Trichloroethene	8.947	95	72017	24.21	ug/L	97
35) Methylcyclohexane	9.185	83	122727	24.80	ug/L	97
37) 1,2-Dichloropropane	9.222	63	65024	21.76	ug/L	100
38) Bromodichloromethane	9.502	83	94265	23.95	ug/L	96
39) cis-1,3-Dichloropropene	9.935	75	113285	24.18	ug/L	94
40) 4-Methyl-2-pentanone	10.075	43	124007	42.56	ug/L	100
42) Toluene	10.246	91	295697	24.25	ug/L	99
44) trans-1,3-Dichloropropene	10.471	75	108888	24.96	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	56677	24.99	ug/L	96
46) Tetrachloroethene	10.721	164	62862	25.58	ug/L	94
48) 2-Hexanone	10.837	43	92368	44.21	ug/L	99
49) Dibromochloromethane	10.990	129	71450	25.40	ug/L	99
50) 1,2-Dibromoethane	11.093	107	55946	25.13	ug/L	98
51) Chlorobenzene	11.520	112	186921	24.44	ug/L	97
52) Ethylbenzene	11.593	91	331258	24.31	ug/L	96
53) m,p-Xylene	11.703	106	128927	25.31	ug/L	85
54) o-Xylene	12.032	106	119219	24.46	ug/L	91
55) Styrene	12.044	104	211436	24.99	ug/L	85
57) 1,1,2,2-Tetrachloroethane	12.587	83	66559	22.75	ug/L	99
59) Bromoform	12.209	173	50425	25.51	ug/L #	96
60) Isopropylbenzene	12.331	105	328546	24.27	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	55465	23.21	ug/L	100
62) 1,3,5-Trimethylbenzene	12.812	105	278403	24.21	ug/L	97
63) 1,2,4-Trimethylbenzene	13.123	105	278143	24.57	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	155752	24.90	ug/L	96
65) 1,4-Dichlorobenzene	13.446	146	157851	25.21	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	143614	24.70	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	13990	23.97	ug/L	93
69) 1,3,5-Trichlorobenzene	14.501	180	117572	25.78	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	96670	25.56	ug/L	99
71) Naphthalene	15.239	128	197216	24.95	ug/L	98
72) 1,2,3-Trichlorobenzene	15.428	180	86387	26.27	ug/L	99

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

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