

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052021\
 Data File : VY004856.D
 Acq On : 20 May 2021 13:43
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025141

Quant Time: May 21 04:38:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 21 04:37:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	316724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	282125	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	135188	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	125887	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.56%
7) Chloroethane-d5	2.765	69	93505	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.36%
11) 1,1-Dichloroethene-d2	3.863	63	223871	24.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.68%
21) 2-Butanone-d5	6.899	46	109186	51.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.00%
24) Chloroform-d	7.484	84	209149	25.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.96%
26) 1,2-Dichloroethane-d4	8.149	65	130636	25.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.04%
32) Benzene-d6	8.112	84	447094	26.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.84%
36) 1,2-Dichloropropane-d6	9.124	67	146524	26.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.92%
41) Toluene-d8	10.179	98	405860	26.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.84%
43) trans-1,3-Dichloroprop...	10.441	79	67126	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.96%
47) 2-Hexanone-d5	10.788	63	78392	52.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.70%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	125591	25.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.96%
66) 1,2-Dichlorobenzene-d4	13.727	152	122953	25.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.64%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	105126	24.89	ug/L	99
3) Chloromethane	2.119	50	128713	24.87	ug/L	98
5) Vinyl chloride	2.253	62	135887	24.57	ug/L	99
6) Bromomethane	2.656	94	59119	27.21	ug/L	99
8) Chloroethane	2.802	64	81297	25.23	ug/L	96
9) Trichlorofluoromethane	3.131	101	177831	25.15	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.899	101	107712	25.64	ug/L	99
12) 1,1-Dichloroethene	3.875	96	99006	25.30	ug/L	86
13) Acetone	3.960	43	62604	49.48	ug/L	99
14) Carbon disulfide	4.198	76	328104	26.07	ug/L	99
15) Methyl Acetate	4.485	43	89825	25.46	ug/L	99
16) Methylene chloride	4.722	84	128429	23.63	ug/L	99
17) trans-1,2-Dichloroethene	5.228	96	109563	25.82	ug/L	97
18) Methyl tert-butyl Ether	5.228	73	321901	26.41	ug/L	100
19) 1,1-Dichloroethane	6.021	63	212507	26.25	ug/L	98
20) cis-1,2-Dichloroethene	6.990	96	119410	26.16	ug/L	100
22) 2-Butanone	6.996	43	114938	52.47	ug/L	100
23) Bromochloromethane	7.338	128	56560	26.29	ug/L	97
25) Chloroform	7.515	83	216505	26.10	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	151930	26.52	ug/L	99
29) Cyclohexane	7.789	56	195566	26.73	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	181444	27.30	ug/L	99
31) Carbon tetrachloride	7.905	117	144730	27.62	ug/L	99
33) Benzene	8.167	78	472085	27.12	ug/L	100
34) Trichloroethene	8.941	95	118778	27.00	ug/L	98
35) Methylcyclohexane	9.185	83	198785	26.89	ug/L	99
37) 1,2-Dichloropropane	9.222	63	126503	27.22	ug/L	99
38) Bromodichloromethane	9.496	83	160431	28.03	ug/L	97
39) cis-1,3-Dichloropropene	9.929	75	200716	27.84	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	267651	54.05	ug/L	99
42) Toluene	10.246	91	505872	27.48	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	177763	26.55	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	94417	26.17	ug/L	99
46) Tetrachloroethene	10.721	164	82898	25.01	ug/L	97
48) 2-Hexanone	10.837	43	181082	54.18	ug/L	100
49) Dibromochloromethane	10.990	129	106699	26.24	ug/L	99
50) 1,2-Dibromoethane	11.093	107	92197	26.43	ug/L	98
51) Chlorobenzene	11.520	112	294599	25.88	ug/L	100
52) Ethylbenzene	11.593	91	516679	26.02	ug/L	100
53) m,p-Xylene	11.703	106	191057	25.97	ug/L	99
54) o-Xylene	12.032	106	185742	26.47	ug/L	99
55) Styrene	12.044	104	323529	26.76	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.581	83	117630	26.70	ug/L	100
59) Bromoform	12.209	173	68406	26.54	ug/L	99
60) Isopropylbenzene	12.331	105	497380	26.16	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	93474	25.42	ug/L	100
62) 1,3,5-Trimethylbenzene	12.812	105	404788	26.49	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	410701	26.93	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	211493	26.12	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	208755	25.46	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	194376	25.89	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	20128	24.06	ug/L	94
69) 1,3,5-Trichlorobenzene	14.501	180	140318	25.76	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	115441	25.32	ug/L	98
71) Naphthalene	15.239	128	301600	26.26	ug/L	100
72) 1,2,3-Trichlorobenzene	15.422	180	105514	25.49	ug/L	99

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

