

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052521\
 Data File : VY004871.D
 Acq On : 25 May 2021 12:42
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025147

Quant Time: May 26 03:10:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 26 03:09:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	317803	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	286195	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	134513	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	122122	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.32%
7) Chloroethane-d5	2.765	69	94214	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.76%
11) 1,1-Dichloroethene-d2	3.863	63	229048	25.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.64%
21) 2-Butanone-d5	6.899	46	103290	48.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.16%
24) Chloroform-d	7.484	84	206957	25.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	8.149	65	127612	24.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.32%
32) Benzene-d6	8.118	84	431242	25.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.64%
36) 1,2-Dichloropropane-d6	9.124	67	140724	25.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.20%
41) Toluene-d8	10.185	98	400051	25.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.84%
43) trans-1,3-Dichloroprop...	10.441	79	65436	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.92%
47) 2-Hexanone-d5	10.795	63	74599	49.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.22%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	115937	23.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.60%
66) 1,2-Dichlorobenzene-d4	13.727	152	120129	24.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.84%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	108342	25.56	ug/L	100
3) Chloromethane	2.119	50	132875	25.58	ug/L	98
5) Vinyl chloride	2.259	62	135277	24.38	ug/L	99
6) Bromomethane	2.662	94	61628	28.27	ug/L	98
8) Chloroethane	2.802	64	81327	25.16	ug/L	96
9) Trichlorofluoromethane	3.131	101	183194	25.82	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	113213	26.86	ug/L	100
12) 1,1-Dichloroethene	3.881	96	104752	26.67	ug/L	96
13) Acetone	3.954	43	59189	46.63	ug/L	99
14) Carbon disulfide	4.198	76	338134	26.78	ug/L	99
15) Methyl Acetate	4.485	43	84984	24.01	ug/L	100
16) Methylene chloride	4.722	84	123051	22.56	ug/L	97
17) trans-1,2-Dichloroethene	5.228	96	112180	26.35	ug/L	95
18) Methyl tert-butyl Ether	5.235	73	314000	25.68	ug/L	99
19) 1,1-Dichloroethane	6.027	63	213606	26.30	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	116330	25.40	ug/L	99
22) 2-Butanone	6.996	43	103665	47.17	ug/L	100
23) Bromochloromethane	7.338	128	54206	25.11	ug/L	98
25) Chloroform	7.515	83	211854	25.45	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	144283	25.10	ug/L	99
29) Cyclohexane	7.789	56	199073	26.82	ug/L	100
30) 1,1,1-Trichloroethane	7.710	97	183166	27.17	ug/L	99
31) Carbon tetrachloride	7.905	117	150768	28.36	ug/L	99
33) Benzene	8.167	78	464325	26.29	ug/L	100
34) Trichloroethene	8.941	95	115199	25.82	ug/L	97
35) Methylcyclohexane	9.185	83	201574	26.88	ug/L	98
37) 1,2-Dichloropropane	9.222	63	125237	26.57	ug/L	100
38) Bromodichloromethane	9.502	83	153530	26.44	ug/L	98
39) cis-1,3-Dichloropropene	9.935	75	190621	26.06	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	239595	47.70	ug/L	98
42) Toluene	10.246	91	498845	26.72	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	174691	25.72	ug/L	100
45) 1,1,2-Trichloroethane	10.648	97	91041	24.87	ug/L	98
46) Tetrachloroethene	10.721	164	87372	25.98	ug/L	98
48) 2-Hexanone	10.837	43	165003	48.67	ug/L	99
49) Dibromochloromethane	10.990	129	106721	25.87	ug/L	98
50) 1,2-Dibromoethane	11.093	107	90057	25.45	ug/L	97
51) Chlorobenzene	11.520	112	299321	25.92	ug/L	99
52) Ethylbenzene	11.593	91	529680	26.30	ug/L	99
53) m,p-Xylene	11.703	106	192645	25.81	ug/L	96
54) o-Xylene	12.032	106	184799	25.96	ug/L	99
55) Styrene	12.044	104	315003	25.69	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.587	83	108621	24.31	ug/L	99
59) Bromoform	12.209	173	64264	25.06	ug/L	99
60) Isopropylbenzene	12.331	105	494514	26.14	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	86769	23.71	ug/L	100
62) 1,3,5-Trimethylbenzene	12.812	105	400574	26.34	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	402169	26.50	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	205623	25.52	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	208184	25.52	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	191287	25.61	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	19149	23.01	ug/L	93
69) 1,3,5-Trichlorobenzene	14.507	180	140473	25.92	ug/L	100
70) 1,2,4-trichlorobenzene	15.007	180	114427	25.23	ug/L	99
71) Naphthalene	15.239	128	281256	24.61	ug/L	100
72) 1,2,3-Trichlorobenzene	15.428	180	104259	25.31	ug/L	100

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

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