

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052421\
 Data File : VY004863.D
 Acq On : 24 May 2021 10:31
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025144

Quant Time: May 25 01:11:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 22 00:36:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	333149	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	297072	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	139920	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	122525	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.28%
7) Chloroethane-d5	2.765	69	94211	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	3.863	63	228239	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.60%
21) 2-Butanone-d5	6.899	46	112702	50.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.08%
24) Chloroform-d	7.484	84	211911	24.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	8.149	65	131534	24.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.68%
32) Benzene-d6	8.112	84	454427	25.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.16%
36) 1,2-Dichloropropane-d6	9.124	67	143571	24.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	10.179	98	408964	25.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.28%
43) trans-1,3-Dichloroprop...	10.441	79	69596	25.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.36%
47) 2-Hexanone-d5	10.794	63	82836	52.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.08%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	128582	25.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.08%
66) 1,2-Dichlorobenzene-d4	13.727	152	120337	23.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.20%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	113484	25.54	ug/L	99
3) Chloromethane	2.119	50	139755	25.67	ug/L	97
5) Vinyl chloride	2.259	62	140222	24.10	ug/L	99
6) Bromomethane	2.656	94	62930	27.54	ug/L	97
8) Chloroethane	2.802	64	83803	24.73	ug/L	99
9) Trichlorofluoromethane	3.131	101	189873	25.53	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	117889	26.68	ug/L	99
12) 1,1-Dichloroethene	3.875	96	107727	26.17	ug/L	87
13) Acetone	3.954	43	55019	41.34	ug/L	97
14) Carbon disulfide	4.198	76	351394	26.54	ug/L	97
15) Methyl Acetate	4.485	43	94569	25.48	ug/L	100
16) Methylene chloride	4.728	84	125600	21.97	ug/L	96
17) trans-1,2-Dichloroethene	5.228	96	116621	26.13	ug/L	95
18) Methyl tert-butyl Ether	5.228	73	331418	25.85	ug/L	99
19) 1,1-Dichloroethane	6.021	63	221638	26.03	ug/L	98
20) cis-1,2-Dichloroethene	6.990	96	123540	25.73	ug/L	99
22) 2-Butanone	6.996	43	112467	48.81	ug/L	99
23) Bromochloromethane	7.344	128	58758	25.96	ug/L	94
25) Chloroform	7.515	83	225885	25.89	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	155867	25.87	ug/L	99
29) Cyclohexane	7.789	56	209535	27.20	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	191693	27.39	ug/L	99
31) Carbon tetrachloride	7.905	117	154429	27.99	ug/L	99
33) Benzene	8.167	78	496205	27.07	ug/L	100
34) Trichloroethene	8.941	95	124452	26.87	ug/L	97
35) Methylcyclohexane	9.185	83	211078	27.12	ug/L	99
37) 1,2-Dichloropropane	9.215	63	130609	26.69	ug/L	100
38) Bromodichloromethane	9.502	83	162464	26.95	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	206350	27.18	ug/L	99
40) 4-Methyl-2-pentanone	10.075	43	276123	52.96	ug/L	99
42) Toluene	10.246	91	520425	26.85	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	186226	26.41	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	100747	26.52	ug/L	98
46) Tetrachloroethene	10.721	164	90384	25.90	ug/L	95
48) 2-Hexanone	10.837	43	191793	54.50	ug/L	100
49) Dibromochloromethane	10.990	129	115593	27.00	ug/L	100
50) 1,2-Dibromoethane	11.093	107	98498	26.82	ug/L	98
51) Chlorobenzene	11.520	112	311917	26.02	ug/L	100
52) Ethylbenzene	11.593	91	558484	26.71	ug/L	99
53) m,p-Xylene	11.703	106	206436	26.65	ug/L	98
54) o-Xylene	12.032	106	197708	26.76	ug/L	97
55) Styrene	12.044	104	346409	27.22	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.587	83	124128	26.76	ug/L	99
59) Bromoform	12.209	173	72307	27.10	ug/L	100
60) Isopropylbenzene	12.331	105	537120	27.30	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	100543	26.42	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	435494	27.53	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	417089	26.42	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	215348	25.70	ug/L	100
65) 1,4-Dichlorobenzene	13.446	146	216854	25.55	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	198623	25.56	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	20732	23.95	ug/L	94
69) 1,3,5-Trichlorobenzene	14.507	180	145510	25.81	ug/L	100
70) 1,2,4-trichlorobenzene	15.007	180	121836	25.82	ug/L	99
71) Naphthalene	15.239	128	312036	26.25	ug/L	100
72) 1,2,3-Trichlorobenzene	15.422	180	110510	25.79	ug/L	100

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

