

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052121\
 Data File : VY004861.D
 Acq On : 21 May 2021 13:41
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025143

Quant Time: May 22 00:37:40 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	296204	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	276664	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	132289	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	127092	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.32%
7) Chloroethane-d5	2.765	69	96599	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.64%
11) 1,1-Dichloroethene-d2	3.863	63	227536	27.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.32%
21) 2-Butanone-d5	6.899	46	111322	55.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.20%
24) Chloroform-d	7.484	84	209138	27.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	8.149	65	129154	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.84%
32) Benzene-d6	8.118	84	454105	27.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	9.124	67	145813	27.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.48%
41) Toluene-d8	10.185	98	414120	27.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.16%
43) trans-1,3-Dichloroprop...	10.441	79	69839	27.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.24%
47) 2-Hexanone-d5	10.788	63	82677	56.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.60%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	128946	27.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.88%
66) 1,2-Dichlorobenzene-d4	13.727	152	128714	26.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.68%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	103211	26.13	ug/L	99
3) Chloromethane	2.119	50	130146	26.89	ug/L	99
5) Vinyl chloride	2.253	62	133507	25.81	ug/L	97
6) Bromomethane	2.656	94	58992	29.04	ug/L	98
8) Chloroethane	2.802	64	78379	26.01	ug/L	97
9) Trichlorofluoromethane	3.131	101	174597	26.41	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	105991	26.98	ug/L	99
12) 1,1-Dichloroethene	3.875	96	98988	27.05	ug/L	83
13) Acetone	3.954	43	55576	46.97	ug/L	99
14) Carbon disulfide	4.198	76	323427	27.48	ug/L	100
15) Methyl Acetate	4.485	43	88435	26.80	ug/L	98
16) Methylene chloride	4.728	84	142037	27.95	ug/L	99
17) trans-1,2-Dichloroethene	5.228	96	106644	26.87	ug/L	97
18) Methyl tert-butyl Ether	5.228	73	303562	26.63	ug/L	100
19) 1,1-Dichloroethane	6.027	63	204605	27.03	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	114842	26.91	ug/L	95
22) 2-Butanone	6.996	43	104535	51.03	ug/L	100
23) Bromochloromethane	7.344	128	53492	26.58	ug/L	99
25) Chloroform	7.515	83	205176	26.45	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	140802	26.28	ug/L	99
29) Cyclohexane	7.789	56	198064	27.60	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	174293	26.74	ug/L	100
31) Carbon tetrachloride	7.905	117	140783	27.40	ug/L	98
33) Benzene	8.161	78	455195	26.66	ug/L	100
34) Trichloroethene	8.941	95	116360	26.98	ug/L	98
35) Methylcyclohexane	9.185	83	197046	27.18	ug/L	99
37) 1,2-Dichloropropane	9.222	63	123831	27.18	ug/L	100
38) Bromodichloromethane	9.502	83	150400	26.79	ug/L	97
39) cis-1,3-Dichloropropene	9.929	75	192342	27.20	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	256625	52.85	ug/L	99
42) Toluene	10.246	91	494412	27.39	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	177408	27.02	ug/L	98
45) 1,1,2-Trichloroethane	10.648	97	93948	26.55	ug/L	99
46) Tetrachloroethene	10.721	164	85019	26.16	ug/L	96
48) 2-Hexanone	10.837	43	179242	54.69	ug/L	99
49) Dibromochloromethane	10.983	129	106693	26.76	ug/L	98
50) 1,2-Dibromoethane	11.093	107	91281	26.69	ug/L	99
51) Chlorobenzene	11.520	112	296255	26.54	ug/L	99
52) Ethylbenzene	11.593	91	525924	27.01	ug/L	98
53) m,p-Xylene	11.703	106	195901	27.15	ug/L	98
54) o-Xylene	12.032	106	186500	27.10	ug/L	99
55) Styrene	12.044	104	324521	27.38	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.587	83	115853	26.82	ug/L	99
59) Bromoform	12.209	173	66554	26.39	ug/L	99
60) Isopropylbenzene	12.331	105	504923	27.14	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	93457	25.97	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	411412	27.51	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	413929	27.73	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	212502	26.82	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	210906	26.29	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	192801	26.24	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.361	75	20604	25.17	ug/L	94
69) 1,3,5-Trichlorobenzene	14.501	180	141617	26.57	ug/L	100
70) 1,2,4-trichlorobenzene	15.007	180	116806	26.19	ug/L	99
71) Naphthalene	15.239	128	301227	26.80	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	106485	26.28	ug/L	99

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

