

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052521\
 Data File : VY004868.D
 Acq On : 25 May 2021 10:03
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025146

Quant Time: May 26 03:06:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 25 01:15:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	307270	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	283021	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	133834	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	111385	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.96%
7) Chloroethane-d5	2.765	69	84068	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
11) 1,1-Dichloroethene-d2	3.863	63	204158	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.68%
21) 2-Butanone-d5	6.899	46	97544	46.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.92%
24) Chloroform-d	7.484	84	188071	23.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	8.149	65	113262	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.16%
32) Benzene-d6	8.118	84	395450	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
36) 1,2-Dichloropropane-d6	9.124	67	123566	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.88%
41) Toluene-d8	10.185	98	361531	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloroprop...	10.441	79	59379	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.76%
47) 2-Hexanone-d5	10.794	63	73132	48.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.36%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	114308	23.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.32%
66) 1,2-Dichlorobenzene-d4	13.727	152	112177	23.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.76%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	106292	25.94	ug/L	100
3) Chloromethane	2.119	50	131343	26.16	ug/L	97
5) Vinyl chloride	2.259	62	136195	25.38	ug/L	99
6) Bromomethane	2.662	94	59495	28.23	ug/L	93
8) Chloroethane	2.802	64	78791	25.21	ug/L	96
9) Trichlorofluoromethane	3.137	101	173185	25.25	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	106419	26.11	ug/L	99
12) 1,1-Dichloroethene	3.881	96	100003	26.34	ug/L	94
13) Acetone	3.954	43	53227	43.37	ug/L	99
14) Carbon disulfide	4.204	76	328549	26.91	ug/L	100
15) Methyl Acetate	4.491	43	85753	25.05	ug/L	99
16) Methylene chloride	4.722	84	114178	21.66	ug/L	97
17) trans-1,2-Dichloroethene	5.234	96	106806	25.95	ug/L	96
18) Methyl tert-butyl Ether	5.234	73	301085	25.47	ug/L	99
19) 1,1-Dichloroethane	6.027	63	204471	26.04	ug/L	97
20) cis-1,2-Dichloroethene	6.996	96	116298	26.27	ug/L	92
22) 2-Butanone	6.996	43	101984	47.99	ug/L	100
23) Bromochloromethane	7.344	128	53335	25.55	ug/L	97
25) Chloroform	7.515	83	206161	25.62	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	141583	25.48	ug/L	99
29) Cyclohexane	7.789	56	192846	26.27	ug/L	99
30) 1,1,1-Trichloroethane	7.710	97	173960	26.09	ug/L	100
31) Carbon tetrachloride	7.905	117	142718	27.15	ug/L	100
33) Benzene	8.167	78	456935	26.17	ug/L	100
34) Trichloroethene	8.941	95	113311	25.68	ug/L	98
35) Methylcyclohexane	9.185	83	188703	25.45	ug/L	99
37) 1,2-Dichloropropane	9.222	63	122260	26.23	ug/L	100
38) Bromodichloromethane	9.502	83	151006	26.30	ug/L	100
39) cis-1,3-Dichloropropene	9.935	75	190133	26.29	ug/L	99
40) 4-Methyl-2-pentanone	10.075	43	248701	50.06	ug/L	98
42) Toluene	10.246	91	486354	26.34	ug/L	100
44) trans-1,3-Dichloropropene	10.471	75	175686	26.15	ug/L	96
45) 1,1,2-Trichloroethane	10.648	97	93709	25.89	ug/L	98
46) Tetrachloroethene	10.721	164	84032	25.27	ug/L	96
48) 2-Hexanone	10.837	43	173959	51.89	ug/L	99
49) Dibromochloromethane	10.990	129	105867	25.95	ug/L	97
50) 1,2-Dibromoethane	11.093	107	87974	25.14	ug/L	100
51) Chlorobenzene	11.520	112	291219	25.50	ug/L	99
52) Ethylbenzene	11.593	91	515878	25.90	ug/L	99
53) m,p-Xylene	11.703	106	193172	26.17	ug/L	95
54) o-Xylene	12.032	106	182300	25.90	ug/L	97
55) Styrene	12.044	104	317501	26.18	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.587	83	114910	26.00	ug/L	98
59) Bromoform	12.209	173	65737	25.76	ug/L	99
60) Isopropylbenzene	12.331	105	495934	26.35	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	91225	25.06	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	393438	26.01	ug/L	100
63) 1,2,4-Trimethylbenzene	13.123	105	393799	26.08	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	201781	25.17	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	202645	24.96	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	187341	25.21	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	19643	23.72	ug/L	94
69) 1,3,5-Trichlorobenzene	14.507	180	137473	25.49	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	114359	25.34	ug/L	99
71) Naphthalene	15.239	128	291222	25.61	ug/L	100
72) 1,2,3-Trichlorobenzene	15.428	180	103870	25.34	ug/L	99

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

