

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052121\
 Data File : VY004858.D
 Acq On : 21 May 2021 10:55
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025142

Quant Time: May 22 00:28:56 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	311584	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	289069	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	136925	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	114759	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	2.765	69	85959	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
11) 1,1-Dichloroethene-d2	3.863	63	210045	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.04%
21) 2-Butanone-d5	6.899	46	102722	48.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.54%
24) Chloroform-d	7.484	84	191527	23.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.84%
26) 1,2-Dichloroethane-d4	8.149	65	118586	23.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.16%
32) Benzene-d6	8.118	84	410327	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	9.124	67	132277	23.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	10.179	98	372257	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.76%
43) trans-1,3-Dichloroprop...	10.441	79	63067	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.40%
47) 2-Hexanone-d5	10.788	63	76630	49.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.90%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	117980	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.32%
66) 1,2-Dichlorobenzene-d4	13.727	152	112337	22.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	101902	24.52	ug/L	100
3) Chloromethane	2.119	50	128592	25.25	ug/L	97
5) Vinyl chloride	2.259	62	132820	24.41	ug/L	98
6) Bromomethane	2.656	94	58660	27.45	ug/L	96
8) Chloroethane	2.802	64	79016	24.93	ug/L	99
9) Trichlorofluoromethane	3.131	101	172103	24.75	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	105775	25.59	ug/L	100
12) 1,1-Dichloroethene	3.881	96	96820	25.15	ug/L	98
13) Acetone	3.954	43	60075	48.27	ug/L	99
14) Carbon disulfide	4.204	76	329426	26.61	ug/L	99
15) Methyl Acetate	4.485	43	89123	25.68	ug/L	100
16) Methylene chloride	4.722	84	119396	22.33	ug/L	98
17) trans-1,2-Dichloroethene	5.228	96	106829	25.59	ug/L	95
18) Methyl tert-butyl Ether	5.234	73	305163	25.45	ug/L	99
19) 1,1-Dichloroethane	6.027	63	206072	25.88	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	116781	26.01	ug/L	99
22) 2-Butanone	6.996	43	113768	52.80	ug/L	99
23) Bromochloromethane	7.344	128	54130	25.57	ug/L	98
25) Chloroform	7.508	83	206175	25.27	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	143129	25.40	ug/L	99
29) Cyclohexane	7.789	56	193675	25.83	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	175498	25.77	ug/L	99
31) Carbon tetrachloride	7.905	117	141243	26.31	ug/L	99
33) Benzene	8.167	78	460726	25.83	ug/L	100
34) Trichloroethene	8.941	95	115452	25.62	ug/L	99
35) Methylcyclohexane	9.185	83	193922	25.60	ug/L	98
37) 1,2-Dichloropropane	9.222	63	124168	26.08	ug/L	100
38) Bromodichloromethane	9.502	83	153270	26.13	ug/L	100
39) cis-1,3-Dichloropropene	9.929	75	192946	26.12	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	262279	51.69	ug/L	99
42) Toluene	10.246	91	491716	26.07	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	177033	25.80	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	95677	25.88	ug/L	99
46) Tetrachloroethene	10.721	164	85669	25.22	ug/L	98
48) 2-Hexanone	10.837	43	184683	53.93	ug/L	99
49) Dibromochloromethane	10.990	129	109488	26.28	ug/L	99
50) 1,2-Dibromoethane	11.093	107	93397	26.13	ug/L	99
51) Chlorobenzene	11.520	112	294741	25.27	ug/L	99
52) Ethylbenzene	11.593	91	524362	25.78	ug/L	100
53) m,p-Xylene	11.703	106	192825	25.58	ug/L	98
54) o-Xylene	12.032	106	187114	26.03	ug/L	99
55) Styrene	12.044	104	322068	26.00	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.587	83	117236	25.97	ug/L	98
59) Bromoform	12.209	173	67178	25.73	ug/L	99
60) Isopropylbenzene	12.331	105	493725	25.64	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	94226	25.30	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	404768	26.15	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	402320	26.04	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	205689	25.08	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	206180	24.83	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	193029	25.38	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	20565	24.27	ug/L	89
69) 1,3,5-Trichlorobenzene	14.507	180	135725	24.60	ug/L	100
70) 1,2,4-trichlorobenzene	15.007	180	111384	24.12	ug/L	99
71) Naphthalene	15.239	128	292200	25.12	ug/L	100
72) 1,2,3-Trichlorobenzene	15.428	180	102596	24.47	ug/L	99

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

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