

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052021\
 Data File : VY004853.D
 Acq On : 20 May 2021 10:14
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025140

Quant Time: May 21 04:34:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 20 02:58:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	313781	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	288302	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	137699	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	133856	26.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.72%
7) Chloroethane-d5	2.766	69	97271	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.28%
11) 1,1-Dichloroethene-d2	3.863	63	229050	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.92%
21) 2-Butanone-d5	6.899	46	103763	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
24) Chloroform-d	7.484	84	206756	25.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	8.149	65	127657	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.64%
32) Benzene-d6	8.112	84	448325	25.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.84%
36) 1,2-Dichloropropane-d6	9.124	67	144375	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.08%
41) Toluene-d8	10.179	98	408882	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
43) trans-1,3-Dichloroprop...	10.441	79	68704	25.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.12%
47) 2-Hexanone-d5	10.788	63	79110	51.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.40%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	127865	25.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.60%
66) 1,2-Dichlorobenzene-d4	13.727	152	124937	25.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	109786	26.24	ug/L	99
3) Chloromethane	2.119	50	135914	26.50	ug/L	97
5) Vinyl chloride	2.260	62	141673	25.85	ug/L	100
6) Bromomethane	2.662	94	60807	28.25	ug/L	97
8) Chloroethane	2.802	64	81702	25.60	ug/L	99
9) Trichlorofluoromethane	3.131	101	179153	25.58	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	108784	26.14	ug/L	99
12) 1,1-Dichloroethene	3.881	96	101753	26.24	ug/L	99
13) Acetone	3.954	43	55016	43.89	ug/L	97
14) Carbon disulfide	4.198	76	336624	27.00	ug/L	98
15) Methyl Acetate	4.491	43	87528	25.04	ug/L	100
16) Methylene chloride	4.729	84	118535	22.02	ug/L	98
17) trans-1,2-Dichloroethene	5.229	96	107939	25.68	ug/L	95
18) Methyl tert-butyl Ether	5.235	73	311524	25.80	ug/L	100
19) 1,1-Dichloroethane	6.021	63	208293	25.97	ug/L	98
20) cis-1,2-Dichloroethene	6.996	96	118275	26.16	ug/L	96
22) 2-Butanone	6.996	43	105233	48.49	ug/L	99
23) Bromochloromethane	7.344	128	55548	26.06	ug/L	97
25) Chloroform	7.515	83	212231	25.83	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	146177	25.76	ug/L	98
29) Cyclohexane	7.789	56	201564	26.96	ug/L	99
30) 1,1,1-Trichloroethane	7.710	97	179454	26.42	ug/L	99
31) Carbon tetrachloride	7.905	117	145343	27.14	ug/L	100
33) Benzene	8.167	78	467121	26.26	ug/L	100
34) Trichloroethene	8.941	95	119047	26.48	ug/L	97
35) Methylcyclohexane	9.185	83	200856	26.59	ug/L	99
37) 1,2-Dichloropropane	9.222	63	126993	26.74	ug/L	100
38) Bromodichloromethane	9.502	83	153910	26.31	ug/L	97
39) cis-1,3-Dichloropropene	9.929	75	197206	26.77	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	258733	51.13	ug/L	98
42) Toluene	10.246	91	502046	26.69	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	182980	26.74	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	96181	26.08	ug/L	99
46) Tetrachloroethene	10.721	164	88398	26.10	ug/L	99
48) 2-Hexanone	10.837	43	181202	53.06	ug/L	99
49) Dibromochloromethane	10.990	129	110666	26.63	ug/L	98
50) 1,2-Dibromoethane	11.093	107	93471	26.22	ug/L	99
51) Chlorobenzene	11.520	112	301387	25.91	ug/L	99
52) Ethylbenzene	11.593	91	538229	26.53	ug/L	99
53) m,p-Xylene	11.703	106	199216	26.50	ug/L	100
54) o-Xylene	12.032	106	191108	26.65	ug/L	96
55) Styrene	12.044	104	331422	26.83	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.587	83	120154	26.69	ug/L	99
59) Bromoform	12.209	173	68063	25.93	ug/L	99
60) Isopropylbenzene	12.331	105	513953	26.54	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	95009	25.36	ug/L	99
62) 1,3,5-Trimethylbenzene	12.813	105	417315	26.81	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	419227	26.98	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	214511	26.01	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	214361	25.67	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	199380	26.07	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	20732	24.33	ug/L	92
69) 1,3,5-Trichlorobenzene	14.507	180	144771	26.09	ug/L	100
70) 1,2,4-trichlorobenzene	15.007	180	121708	26.21	ug/L	99
71) Naphthalene	15.239	128	308933	26.40	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	109897	26.06	ug/L	100

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

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