

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051921\
 Data File : VY004843.D
 Acq On : 19 May 2021 10:50
 Operator : SY/MD
 Sample : VSTD2.533
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5133

Quant Time: May 20 02:48:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 20 01:29:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	323601	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	295975	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	135848	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	12907	2.03	ug/L	0.00
7) Chloroethane-d5	2.765	69	9144	1.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.857	63	22315	2.18	ug/L	0.00
21) 2-Butanone-d5	6.905	46	10759	5.22	ug/L	0.00
24) Chloroform-d	7.484	84	21147	2.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.149	65	12899	2.28	ug/L	0.00
32) Benzene-d6	8.118	84	43490	2.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	14348	2.57	ug/L	0.00
41) Toluene-d8	10.185	98	39038	2.30	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.435	79	6479	2.29	ug/L	0.00
47) 2-Hexanone-d5	10.794	63	7067	4.79	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	12414	2.44	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.727	152	12381	2.39	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	10529	1.77	ug/L	99
3) Chloromethane	2.119	50	13657	2.02	ug/L	97
5) Vinyl chloride	2.253	62	15339	2.31	ug/L	98
6) Bromomethane	2.656	94	5632	1.52	ug/L	89
8) Chloroethane	2.802	64	8495	2.05	ug/L	99
9) Trichlorofluoromethane	3.131	101	18968	2.32	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	10793	2.31	ug/L #	65
12) 1,1-Dichloroethene	3.881	96	9987	2.22	ug/L	96
13) Acetone	3.960	43	7456	4.94	ug/L	89
14) Carbon disulfide	4.198	76	33533	2.19	ug/L	100
15) Methyl Acetate	4.491	43	9469	2.61	ug/L #	77
16) Methylene chloride	4.728	84	18837	3.36	ug/L	91
17) trans-1,2-Dichloroethene	5.234	96	10681	2.25	ug/L	94
18) Methyl tert-butyl Ether	5.228	73	29119	2.17	ug/L #	91
19) 1,1-Dichloroethane	6.033	63	20601	2.32	ug/L	98
20) cis-1,2-Dichloroethene	6.990	96	11365	2.28	ug/L	85
22) 2-Butanone	7.002	43	11404	4.88	ug/L	98
23) Bromochloromethane	7.344	128	5509	2.31	ug/L	85
25) Chloroform	7.515	83	20354	2.27	ug/L	95
27) 1,2-Dichloroethane	8.246	62	14826	2.25	ug/L	96
29) Cyclohexane	7.789	56	18247	2.20	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	17822	2.30	ug/L	98
31) Carbon tetrachloride	7.905	117	12727	1.86	ug/L	98
33) Benzene	8.167	78	46453	2.45	ug/L	100
34) Trichloroethene	8.941	95	11283	2.25	ug/L	97
35) Methylcyclohexane	9.191	83	18497	2.22	ug/L	96
37) 1,2-Dichloropropane	9.222	63	12105	2.38	ug/L #	93
38) Bromodichloromethane	9.502	83	14800	2.24	ug/L #	96
39) cis-1,3-Dichloropropene	9.929	75	17942	2.27	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	26192	5.28	ug/L	97
42) Toluene	10.246	91	47178	2.29	ug/L	98
44) trans-1,3-Dichloropropene	10.465	75	16858	2.30	ug/L	96

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45) 1,1,2-Trichloroethane	10.648	97	9369	2.44	ug/L	94
46) Tetrachloroethene	10.721	164	9000	2.21	ug/L	95
48) 2-Hexanone	10.837	43	16164	4.58	ug/L	96
49) Dibromochloromethane	10.990	129	10251	2.19	ug/L	97
50) 1,2-Dibromoethane	11.093	107	8905	2.37	ug/L	94
51) Chlorobenzene	11.520	112	30020	2.33	ug/L	97
52) Ethylbenzene	11.593	91	49403	2.16	ug/L	99
53) m,p-Xylene	11.703	106	18339	2.15	ug/L	88
54) o-Xylene	12.032	106	16911	2.07	ug/L	98
55) Styrene	12.044	104	28380	2.00	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.587	83	11279	2.30	ug/L #	99
59) Bromoform	12.209	173	6328	2.27	ug/L	99
60) Isopropylbenzene	12.331	105	45150	2.31	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	9956	2.86	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	35239	2.14	ug/L	97
63) 1,2,4-Trimethylbenzene	13.123	105	35096	2.17	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	20110	2.27	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	21206	2.39	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	19001	2.31	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	2280	2.74	ug/L	90
69) 1,3,5-Trichlorobenzene	14.501	180	13615	2.15	ug/L	96
70) 1,2,4-trichlorobenzene	15.007	180	10957	2.08	ug/L	98
71) Naphthalene	15.239	128	26500	2.34	ug/L	98
72) 1,2,3-Trichlorobenzene	15.422	180	9829	2.14	ug/L	99

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

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