

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY006995.D
 Acq On : 07 Dec 2021 13:35
 Operator : SY/MD
 Sample : VSTD10010
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100810

Quant Time: Dec 08 01:18:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 01:13:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	159581	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	150230	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	84692	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	380928	159.718	ug/L	0.00
7) Chloroethane-d5	2.765	69	280386	151.358	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.851	63	589887	130.528	ug/L	0.00
21) 2-Butanone-d5	6.893	46	185215	212.658	ug/L	0.00
24) Chloroform-d	7.484	84	513296	122.434	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.143	65	293443	116.345	ug/L	0.00
32) Benzene-d6	8.112	84	1014965	121.777	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	329102	122.564	ug/L	0.00
41) Toluene-d8	10.179	98	952935	122.892	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	153516	119.909	ug/L	0.00
47) 2-Hexanone-d5	10.788	63	139454	217.835	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	274331	120.695	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.721	152	319476	113.192	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	117912	115.489	ug/L	92
3) Chloromethane	2.119	50	248988	121.173	ug/L	100
5) Vinyl chloride	2.259	62	410082	131.131	ug/L	100
6) Bromomethane	2.662	94	245550	129.698	ug/L	93
8) Chloroethane	2.802	64	246596	131.298	ug/L	100
9) Trichlorofluoromethane	3.131	101	310899	141.346	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	238582	115.989	ug/L	96
12) 1,1-Dichloroethene	3.869	96	246766	112.627	ug/L	96
13) Acetone	3.948	43	148223	189.393	ug/L	100
14) Carbon disulfide	4.198	76	775291	107.351	ug/L	98
15) Methyl Acetate	4.479	43	167595	98.780	ug/L	# 65
16) Methylene chloride	4.716	84	266565	90.392	ug/L	98
17) trans-1,2-Dichloroethene	5.222	96	259108	110.155	ug/L	99
18) Methyl tert-butyl Ether	5.222	73	467196	107.900	ug/L	99
19) 1,1-Dichloroethane	6.021	63	530565	117.878	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	282956	112.500	ug/L	100
22) 2-Butanone	6.990	43	230152	208.727	ug/L	100
23) Bromochloromethane	7.338	128	119495	104.557	ug/L	91
25) Chloroform	7.508	83	514050	114.715	ug/L	99
27) 1,2-Dichloroethane	8.240	62	346601	106.528	ug/L	99
29) Cyclohexane	7.789	56	507753	117.518	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	411415	106.496	ug/L	99
31) Carbon tetrachloride	7.905	117	382216	105.047	ug/L	100
33) Benzene	8.161	78	1163624	112.780	ug/L	100
34) Trichloroethene	8.941	95	279946	110.994	ug/L	98
35) Methylcyclohexane	9.185	83	506992	112.639	ug/L	98
37) 1,2-Dichloropropane	9.216	63	313450	115.635	ug/L	100
38) Bromodichloromethane	9.496	83	382174	110.740	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	487206	116.337	ug/L	97
40) 4-Methyl-2-pentanone	10.069	43	513701	211.296	ug/L	100
42) Toluene	10.246	91	1256483	114.726	ug/L	95
44) trans-1,3-Dichloropropene	10.465	75	443242	112.978	ug/L	99

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45) 1,1,2-Trichloroethane	10.648	97	214000	108.302	ug/L	97
46) Tetrachloroethene	10.721	164	216383	105.222	ug/L	98
48) 2-Hexanone	10.831	43	359458	220.567	ug/L	99
49) Dibromochloromethane	10.983	129	251372	106.135	ug/L	97
50) 1,2-Dibromoethane	11.093	107	198323	105.797	ug/L	99
51) Chlorobenzene	11.514	112	729904	110.240	ug/L	98
52) Ethylbenzene	11.593	91	1532759	130.562	ug/L	99
53) m,p-Xylene	11.703	106	560061	126.182	ug/L	97
54) o-Xylene	12.032	106	535489	128.219	ug/L	97
55) Styrene	12.044	104	948635	129.976	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.581	83	289317	118.305	ug/L	99
59) Bromoform	12.209	173	190481	114.088	ug/L	99
60) Isopropylbenzene	12.331	105	1491099	124.035	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	214582	103.521	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	1194920	121.139	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	1261760	127.167	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	615295	109.457	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	607215	106.019	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	547313	109.188	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	47725	103.526	ug/L	97
69) 1,3,5-Trichlorobenzene	14.501	180	425741	113.521	ug/L	100
70) 1,2,4-trichlorobenzene	15.007	180	367623	119.129	ug/L	99
71) Naphthalene	15.239	128	719095	114.452	ug/L	100
72) 1,2,3-Trichlorobenzene	15.428	180	318780	117.140	ug/L	99

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

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