

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100521\
 Data File : VY006307.D
 Acq On : 05 Oct 2021 12:49
 Operator : SY/MD
 Sample : VSTD02519
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025819

Quant Time: Oct 05 12:53:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 12:11:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	216434	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	203313	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	106056	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	104233	28.24	ug/L	0.00
7) Chloroethane-d5	2.765	69	75718	27.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.863	63	164328	25.84	ug/L	0.00
21) 2-Butanone-d5	6.893	46	48396	47.65	ug/L	0.00
24) Chloroform-d	7.484	84	132714	23.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.149	65	86479	24.05	ug/L	0.00
32) Benzene-d6	8.118	84	272483	24.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	78978	24.04	ug/L	0.00
41) Toluene-d8	10.185	98	258622	24.21	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	42698	25.07	ug/L	0.00
47) 2-Hexanone-d5	10.788	63	34761	47.29	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	61290	23.69	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.727	152	88052	23.95	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	102563	21.11	ug/L	99
3) Chloromethane	2.119	50	102186	21.73	ug/L	98
5) Vinyl chloride	2.259	62	115243	20.90	ug/L	99
6) Bromomethane	2.662	94	55561	22.40	ug/L	98
8) Chloroethane	2.802	64	65338	20.81	ug/L	99
9) Trichlorofluoromethane	3.137	101	141113	20.49	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	73596	21.34	ug/L	96
12) 1,1-Dichloroethene	3.881	96	71038	21.28	ug/L	94
13) Acetone	3.954	43	63786	45.37	ug/L	96
14) Carbon disulfide	4.204	76	256823	21.26	ug/L	99
15) Methyl Acetate	4.485	43	46625	21.82	ug/L	100
16) Methylene chloride	4.722	84	84632	19.48	ug/L	94
17) trans-1,2-Dichloroethene	5.222	96	67079	18.47	ug/L	97
18) Methyl tert-butyl Ether	5.228	73	178721	18.79	ug/L	97
19) 1,1-Dichloroethane	6.021	63	120714	18.52	ug/L	97
20) cis-1,2-Dichloroethene	6.990	96	70970	18.68	ug/L	96
22) 2-Butanone	6.990	43	60852	37.76	ug/L	98
23) Bromochloromethane	7.338	128	31757	18.50	ug/L	87
25) Chloroform	7.515	83	131780	18.61	ug/L	97
27) 1,2-Dichloroethane	8.240	62	94661	18.56	ug/L	96
29) Cyclohexane	7.789	56	123191	19.14	ug/L	97
30) 1,1,1-Trichloroethane	7.704	97	120316	19.03	ug/L	98
31) Carbon tetrachloride	7.905	117	109071	19.10	ug/L	99
33) Benzene	8.167	78	283821	18.68	ug/L	100
34) Trichloroethene	8.941	95	73103	18.97	ug/L	99
35) Methylcyclohexane	9.185	83	127514	18.86	ug/L	99
37) 1,2-Dichloropropane	9.222	63	67693	18.63	ug/L #	98
38) Bromodichloromethane	9.502	83	93252	18.61	ug/L	95
39) cis-1,3-Dichloropropene	9.935	75	111569	19.26	ug/L	99
40) 4-Methyl-2-pentanone	10.075	43	111569	37.55	ug/L	97
42) Toluene	10.246	91	311440	18.88	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	104541	19.08	ug/L	99

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

45) 1,1,2-Trichloroethane	10.648	97	50684	18.78	ug/L	99
46) Tetrachloroethene	10.721	164	59049	18.45	ug/L	95
48) 2-Hexanone	10.837	43	91994	39.74	ug/L	98
49) Dibromochloromethane	10.990	129	64372	19.01	ug/L	99
50) 1,2-Dibromoethane	11.093	107	47284	18.72	ug/L #	97
51) Chlorobenzene	11.520	112	185830	18.66	ug/L	100
52) Ethylbenzene	11.593	91	332987	18.86	ug/L	99
53) m,p-Xylene	11.703	106	127416	18.85	ug/L	98
54) o-Xylene	12.032	106	122832	18.93	ug/L	97
55) Styrene	12.044	104	216898	19.09	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.587	83	53679	18.23	ug/L #	98
59) Bromoform	12.209	173	41002	18.39	ug/L #	97
60) Isopropylbenzene	12.331	105	332314	18.75	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	46806	18.31	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	277680	19.20	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	275145	19.27	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	148345	18.85	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	148720	18.78	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	134254	18.82	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	11384	18.60	ug/L	95
69) 1,3,5-Trichlorobenzene	14.507	180	107301	19.39	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	86495	19.23	ug/L	99
71) Naphthalene	15.239	128	171006	18.99	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	76416	19.42	ug/L	99

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

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