

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120421\
 Data File : VY006953.D
 Acq On : 04 Dec 2021 20:45
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025896

Quant Time: Dec 05 06:12:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 04 02:26:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	140216	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	132169	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	49168	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	45137	24.995	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.960%
7) Chloroethane-d5	2.771	69	34918	24.649	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	3.857	63	77512	20.646	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.600%
21) 2-Butanone-d5	6.887	46	34054	48.823	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.640%
24) Chloroform-d	7.484	84	83164	23.799	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	8.142	65	46386	22.115	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.480%
32) Benzene-d6	8.112	84	142872	20.350	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	9.124	67	50265	22.787	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.160%
41) Toluene-d8	10.179	98	133728	20.337	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.360%
43) trans-1,3-Dichloroprop...	10.441	79	23259	21.799	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.200%
47) 2-Hexanone-d5	10.788	63	22365	43.807	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.620%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	36430	19.823	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.280%
66) 1,2-Dichlorobenzene-d4	13.727	152	30666	19.126	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	12345	13.946	ug/L	98
3) Chloromethane	2.119	50	38485	22.649	ug/L	99
5) Vinyl chloride	2.259	62	80182	32.035	ug/L	100
6) Bromomethane	2.668	94	46632	30.823	ug/L	92
8) Chloroethane	2.802	64	47306	31.853	ug/L	94
9) Trichlorofluoromethane	3.131	101	39853	21.925	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.911	101	43912	24.919	ug/L	95
12) 1,1-Dichloroethene	3.875	96	45597	24.030	ug/L	89
13) Acetone	3.948	43	32723	51.191	ug/L	99
14) Carbon disulfide	4.198	76	146801	23.469	ug/L	97
15) Methyl Acetate	4.472	43	36283	26.035	ug/L #	78
16) Methylene chloride	4.716	84	60501	24.061	ug/L	88
17) trans-1,2-Dichloroethene	5.216	96	48605	24.024	ug/L	97
18) Methyl tert-butyl Ether	5.216	73	98304	26.935	ug/L	97
19) 1,1-Dichloroethane	6.021	63	103617	27.230	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	61404	28.304	ug/L	92
22) 2-Butanone	6.990	43	59418	66.448	ug/L	92
23) Bromochloromethane	7.344	128	28645	28.935	ug/L	85
25) Chloroform	7.508	83	117853	30.743	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	82385	29.656	ug/L	95
29) Cyclohexane	7.789	56	107553	29.197	ug/L	94
30) 1,1,1-Trichloroethane	7.703	97	94716	28.171	ug/L	98
31) Carbon tetrachloride	7.905	117	85240	26.571	ug/L	99
33) Benzene	8.161	78	239483	26.951	ug/L	100
34) Trichloroethene	8.941	95	60388	27.591	ug/L	92
35) Methylcyclohexane	9.185	83	96994	24.732	ug/L	93
37) 1,2-Dichloropropane	9.215	63	67876	29.799	ug/L	98
38) Bromodichloromethane	9.496	83	86678	29.371	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	99869	27.931	ug/L	100
40) 4-Methyl-2-pentanone	10.069	43	123416	62.120	ug/L	98
42) Toluene	10.246	91	254002	26.794	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	93168	27.882	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	48943	29.164	ug/L	98
46) Tetrachloroethene	10.721	164	44973	24.526	ug/L	97
48) 2-Hexanone	10.831	43	83836	63.944	ug/L	97
49) Dibromochloromethane	10.983	129	51660	25.294	ug/L	91
50) 1,2-Dibromoethane	11.087	107	45347	28.551	ug/L	97
51) Chlorobenzene	11.520	112	147702	25.546	ug/L	99
52) Ethylbenzene	11.593	91	269002	26.399	ug/L	99
53) m,p-Xylene	11.703	106	98864	25.648	ug/L	93
54) o-Xylene	12.032	106	86613	23.886	ug/L	94
55) Styrene	12.044	104	145290	22.901	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.581	83	53287	26.316	ug/L #	97
59) Bromoform	12.209	173	28929	28.850	ug/L	97
60) Isopropylbenzene	12.331	105	212503	29.535	ug/L	98
61) 1,2,3-Trichloropropane	12.635	75	39936	33.416	ug/L	96
62) 1,3,5-Trimethylbenzene	12.812	105	171992	29.073	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	165512	28.603	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	81914	25.297	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	83020	25.160	ug/L	97
67) 1,2-Dichlorobenzene	13.739	146	73773	25.443	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.361	75	7842	30.474	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.507	180	49788	22.593	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	36253	20.397	ug/L	100
71) Naphthalene	15.239	128	79538	22.333	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	31911	21.248	ug/L	98

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

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