

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY007011.D
 Acq On : 07 Dec 2021 20:56
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025901

Quant Time: Dec 08 03:00:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 02:54:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	146144	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	142439	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	91515	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	83176	25.317	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.280%
7) Chloroethane-d5	2.766	69	65068	25.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.600%
11) 1,1-Dichloroethene-d2	3.857	63	119398	23.550	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.200%
21) 2-Butanone-d5	6.899	46	47975	50.411	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.820%
24) Chloroform-d	7.484	84	111163	23.990	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.960%
26) 1,2-Dichloroethane-d4	8.143	65	67322	24.270	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.080%
32) Benzene-d6	8.112	84	214267	23.012	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.040%
36) 1,2-Dichloropropane-d6	9.124	67	73461	23.400	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.600%
41) Toluene-d8	10.185	98	196000	22.805	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	10.441	79	33788	23.254	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.000%
47) 2-Hexanone-d5	10.788	63	36406	50.458	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.920%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	72871	27.118	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.480%
66) 1,2-Dichlorobenzene-d4	13.721	152	72454	20.593	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	19938	20.076	ug/L	97
3) Chloromethane	2.113	50	56769	23.006	ug/L	100
5) Vinyl chloride	2.260	62	95997	24.350	ug/L	98
6) Bromomethane	2.662	94	59249	25.614	ug/L	94
8) Chloroethane	2.802	64	58274	25.427	ug/L	96
9) Trichlorofluoromethane	3.125	101	69001	27.506	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	50276	23.612	ug/L	94
12) 1,1-Dichloroethene	3.875	96	51713	23.730	ug/L	87
13) Acetone	3.954	43	36292	44.150	ug/L	98
14) Carbon disulfide	4.198	76	164326	23.522	ug/L	98
15) Methyl Acetate	4.479	43	44159	25.699	ug/L #	84
16) Methylene chloride	4.716	84	62757	20.615	ug/L	99
17) trans-1,2-Dichloroethene	5.228	96	55619	24.524	ug/L	99
18) Methyl tert-butyl Ether	5.222	73	112506	25.345	ug/L	99
19) 1,1-Dichloroethane	6.021	63	117155	24.479	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	61005	24.393	ug/L	95
22) 2-Butanone	6.996	43	57389	49.586	ug/L	100
23) Bromochloromethane	7.338	128	27015	24.695	ug/L	95
25) Chloroform	7.509	83	111849	24.345	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	82668	25.231	ug/L	97
29) Cyclohexane	7.795	56	106992	24.097	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	92118	23.621	ug/L	99
31) Carbon tetrachloride	7.905	117	81514	22.977	ug/L	98
33) Benzene	8.167	78	252852	23.934	ug/L	100
34) Trichloroethene	8.941	95	60816	23.827	ug/L	99
35) Methylcyclohexane	9.185	83	106025	23.782	ug/L	99
37) 1,2-Dichloropropane	9.216	63	70894	24.292	ug/L	99
38) Bromodichloromethane	9.496	83	87127	24.063	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	106065	24.052	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	133320	51.470	ug/L	100
42) Toluene	10.246	91	268006	24.019	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	99234	24.279	ug/L	96
45) 1,1,2-Trichloroethane	10.648	97	49981	24.144	ug/L	94
46) Tetrachloroethene	10.721	164	44779	22.842	ug/L	98
48) 2-Hexanone	10.837	43	93499	52.869	ug/L	100
49) Dibromochloromethane	10.990	129	58403	24.663	ug/L	98
50) 1,2-Dibromoethane	11.093	107	48329	24.909	ug/L	98
51) Chlorobenzene	11.520	112	158897	24.034	ug/L	98
52) Ethylbenzene	11.593	91	288818	23.574	ug/L	100
53) m,p-Xylene	11.703	106	107146	23.744	ug/L	97
54) o-Xylene	12.032	106	104295	24.415	ug/L	100
55) Styrene	12.044	104	182479	24.238	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.581	83	78213	28.435	ug/L	99
59) Bromoform	12.209	173	36034	19.180	ug/L	99
60) Isopropylbenzene	12.331	105	272496	19.444	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	58780	22.722	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	272716	24.220	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	285593	24.511	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	152368	23.663	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	151625	23.365	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	126238	21.613	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	13158	21.187	ug/L	94
69) 1,3,5-Trichlorobenzene	14.501	180	103886	21.987	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	88939	22.135	ug/L	97
71) Naphthalene	15.233	128	193707	22.535	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	74899	20.034	ug/L	99

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

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