

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120421\
 Data File : VY006929.D
 Acq On : 04 Dec 2021 10:05
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025895

Quant Time: Dec 05 06:06:22 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	200258	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	185064	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	92486	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	69326	26.879	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.520%
7) Chloroethane-d5	2.772	69	47952	23.701	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	3.857	63	136631	25.482	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.920%
21) 2-Butanone-d5	6.893	46	40818	40.975	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.940%
24) Chloroform-d	7.484	84	119758	23.996	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	8.143	65	69482	23.194	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.760%
32) Benzene-d6	8.112	84	237171	24.126	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.520%
36) 1,2-Dichloropropane-d6	9.124	67	69026	22.348	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.400%
41) Toluene-d8	10.185	98	225963	24.542	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.160%
43) trans-1,3-Dichloroprop...	10.441	79	36159	24.203	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.800%
47) 2-Hexanone-d5	10.788	63	32452	45.396	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.800%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	56981	22.143	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.560%
66) 1,2-Dichlorobenzene-d4	13.721	152	70031	23.220	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	25778	20.389	ug/L	97
3) Chloromethane	2.119	50	63787	26.284	ug/L	100
5) Vinyl chloride	2.260	62	98303	27.499	ug/L	100
6) Bromomethane	2.668	94	57151	26.450	ug/L	99
8) Chloroethane	2.808	64	55548	26.188	ug/L	96
9) Trichlorofluoromethane	3.131	101	78914	30.398	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	67422	26.789	ug/L	97
12) 1,1-Dichloroethene	3.875	96	74328	27.428	ug/L	94
13) Acetone	3.942	43	42115	46.130	ug/L	99
14) Carbon disulfide	4.198	76	243068	27.208	ug/L	100
15) Methyl Acetate	4.479	43	46899	23.563	ug/L	100
16) Methylene chloride	4.716	84	79688	22.190	ug/L	96
17) trans-1,2-Dichloroethene	5.228	96	77709	26.893	ug/L	97
18) Methyl tert-butyl Ether	5.222	73	140062	26.870	ug/L	99
19) 1,1-Dichloroethane	6.021	63	141017	25.947	ug/L	95
20) cis-1,2-Dichloroethene	6.990	96	82576	26.651	ug/L	96
22) 2-Butanone	6.990	43	62532	48.964	ug/L	100
23) Bromochloromethane	7.338	128	37950	26.841	ug/L	99
25) Chloroform	7.509	83	147221	26.889	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	103936	26.196	ug/L	100
29) Cyclohexane	7.789	56	137852	26.726	ug/L	98
30) 1,1,1-Trichloroethane	7.710	97	130023	27.619	ug/L	99
31) Carbon tetrachloride	7.905	117	124586	27.735	ug/L	100
33) Benzene	8.161	78	331277	26.625	ug/L	100
34) Trichloroethene	8.941	95	83732	27.322	ug/L	96
35) Methylcyclohexane	9.185	83	150627	27.429	ug/L	100
37) 1,2-Dichloropropane	9.222	63	82785	25.956	ug/L	98
38) Bromodichloromethane	9.496	83	110047	26.632	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	133644	26.693	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	138262	49.701	ug/L	98
42) Toluene	10.246	91	362882	27.338	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	126303	26.995	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	61825	26.310	ug/L	97
46) Tetrachloroethene	10.721	164	71107	27.694	ug/L	97
48) 2-Hexanone	10.831	43	96461	52.544	ug/L	100
49) Dibromochloromethane	10.990	129	76556	26.770	ug/L	98
50) 1,2-Dibromoethane	11.093	107	58589	26.345	ug/L	98
51) Chlorobenzene	11.520	112	220070	27.184	ug/L	98
52) Ethylbenzene	11.593	91	390096	27.340	ug/L	99
53) m,p-Xylene	11.703	106	149087	27.622	ug/L	100
54) o-Xylene	12.032	106	139737	27.522	ug/L	93
55) Styrene	12.044	104	244138	27.483	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.587	83	73036	25.759	ug/L	98
59) Bromoform	12.209	173	50277	26.655	ug/L	99
60) Isopropylbenzene	12.331	105	372295	27.508	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	57604	25.624	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	302761	27.207	ug/L	100
63) 1,2,4-Trimethylbenzene	13.123	105	301236	27.675	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	165817	27.223	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	162980	26.258	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	147423	27.029	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	12292	25.394	ug/L	95
69) 1,3,5-Trichlorobenzene	14.501	180	111292	26.848	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	89644	26.813	ug/L	99
71) Naphthalene	15.239	128	178059	26.579	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	73365	25.970	ug/L	97

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

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