

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006974.D
 Acq On : 06 Dec 2021 21:33
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025898

Quant Time: Dec 07 13:49:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 07 04:00:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.685	114	160185	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	139607	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	66947	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	52606	25.499	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.000%
7) Chloroethane-d5	2.765	69	41230	25.476	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.920%
11) 1,1-Dichloroethene-d2	3.857	63	84733	19.756	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.040%
21) 2-Butanone-d5	6.880	46	45057	56.545	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.100%
24) Chloroform-d	7.472	84	97446	24.410	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.640%
26) 1,2-Dichloroethane-d4	8.136	65	60075	25.071	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.280%
32) Benzene-d6	8.106	84	188641	25.438	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.760%
36) 1,2-Dichloropropane-d6	9.118	67	60946	26.157	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.640%
41) Toluene-d8	10.179	98	146258	21.057	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.240%
43) trans-1,3-Dichloroprop...	10.435	79	25770	22.866	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.480%
47) 2-Hexanone-d5	10.782	63	28111	52.128	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.260%
56) 1,1,2,2-Tetrachloroeth...	12.556	84	50777	26.158	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.640%
66) 1,2-Dichlorobenzene-d4	13.721	152	47093	21.571	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	15298	15.127	ug/L	88
3) Chloromethane	2.113	50	40256	20.738	ug/L	98
5) Vinyl chloride	2.259	62	84784	29.651	ug/L	100
6) Bromomethane	2.662	94	48651	28.149	ug/L	93
8) Chloroethane	2.802	64	47609	28.061	ug/L	98
9) Trichlorofluoromethane	3.125	101	33065	15.923	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.893	101	44723	22.216	ug/L	91
12) 1,1-Dichloroethene	3.875	96	44541	20.548	ug/L	88
13) Acetone	3.936	43	33421	45.766	ug/L	99
14) Carbon disulfide	4.198	76	146891	20.556	ug/L	98
15) Methyl Acetate	4.466	43	39063	24.536	ug/L	96
16) Methylene chloride	4.710	84	60625	21.105	ug/L	86
17) trans-1,2-Dichloroethene	5.216	96	48603	21.028	ug/L	87
18) Methyl tert-butyl Ether	5.216	73	91441	21.931	ug/L	98
19) 1,1-Dichloroethane	6.009	63	116426	26.782	ug/L	97
20) cis-1,2-Dichloroethene	6.978	96	59346	23.945	ug/L	97
22) 2-Butanone	6.984	43	55830	54.652	ug/L	96
23) Bromochloromethane	7.332	128	27536	24.347	ug/L #	84
25) Chloroform	7.502	83	111673	25.499	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.234	62	85174	26.837	ug/L	99
29) Cyclohexane	7.783	56	105252	27.050	ug/L	93
30) 1,1,1-Trichloroethane	7.697	97	86935	24.479	ug/L	98
31) Carbon tetrachloride	7.899	117	81715	24.115	ug/L	100
33) Benzene	8.155	78	257189	27.401	ug/L	100
34) Trichloroethene	8.935	95	59317	25.658	ug/L	92
35) Methylcyclohexane	9.179	83	110550	26.686	ug/L	95
37) 1,2-Dichloropropane	9.209	63	70356	29.242	ug/L	98
38) Bromodichloromethane	9.496	83	85824	27.532	ug/L	99
39) cis-1,3-Dichloropropene	9.923	75	96544	25.562	ug/L	99
40) 4-Methyl-2-pentanone	10.069	43	119773	57.074	ug/L	98
42) Toluene	10.240	91	230097	22.979	ug/L	97
44) trans-1,3-Dichloropropene	10.459	75	83448	23.643	ug/L	96
45) 1,1,2-Trichloroethane	10.642	97	42596	24.029	ug/L	92
46) Tetrachloroethene	10.715	164	39676	20.484	ug/L	92
48) 2-Hexanone	10.831	43	78529	56.705	ug/L	98
49) Dibromochloromethane	10.983	129	49394	22.896	ug/L	96
50) 1,2-Dibromoethane	11.087	107	41918	24.986	ug/L	96
51) Chlorobenzene	11.514	112	134802	22.073	ug/L	98
52) Ethylbenzene	11.587	91	242473	22.527	ug/L	98
53) m,p-Xylene	11.703	106	88803	21.810	ug/L	98
54) o-Xylene	12.026	106	87186	22.763	ug/L	96
55) Styrene	12.038	104	154371	23.036	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.581	83	57531	26.898	ug/L	100
59) Bromoform	12.209	173	31446	23.032	ug/L	99
60) Isopropylbenzene	12.331	105	224974	22.964	ug/L	99
61) 1,2,3-Trichloropropane	12.629	75	42418	26.067	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	184872	22.951	ug/L	98
63) 1,2,4-Trimethylbenzene	13.117	105	184794	23.454	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	100046	22.691	ug/L	98
65) 1,4-Dichlorobenzene	13.440	146	102171	22.740	ug/L	96
67) 1,2-Dichlorobenzene	13.739	146	91099	23.074	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	9001	25.689	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.501	180	63743	21.244	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	51993	21.484	ug/L	99
71) Naphthalene	15.233	128	136985	28.249	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	55103	26.946	ug/L	100

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

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