

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006955.D
 Acq On : 06 Dec 2021 12:16
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025897

Quant Time: Dec 07 00:35:59 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	198925	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	179654	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	75474	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	72474	28.288	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.160%
7) Chloroethane-d5	2.772	69	53839	26.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.160%
11) 1,1-Dichloroethene-d2	3.857	63	123130	23.118	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.480%
21) 2-Butanone-d5	6.887	46	46636	47.129	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.260%
24) Chloroform-d	7.478	84	123648	24.942	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.760%
26) 1,2-Dichloroethane-d4	8.143	65	68421	22.993	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.960%
32) Benzene-d6	8.112	84	235299	24.656	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.640%
36) 1,2-Dichloropropane-d6	9.118	67	76434	25.491	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.960%
41) Toluene-d8	10.179	98	213566	23.894	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.560%
43) trans-1,3-Dichloroprop...	10.441	79	36846	25.406	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.640%
47) 2-Hexanone-d5	10.788	63	34293	49.416	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.840%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	54009	21.621	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.480%
66) 1,2-Dichlorobenzene-d4	13.721	152	57286	23.275	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	25439	20.256	ug/L	# 77
3) Chloromethane	2.119	50	61416	25.477	ug/L	100
5) Vinyl chloride	2.259	62	116290	32.749	ug/L	100
6) Bromomethane	2.668	94	63761	29.707	ug/L	98
8) Chloroethane	2.808	64	64032	30.390	ug/L	99
9) Trichlorofluoromethane	3.125	101	65062	25.230	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	63223	25.289	ug/L	95
12) 1,1-Dichloroethene	3.875	96	63633	23.638	ug/L	90
13) Acetone	3.942	43	47659	52.553	ug/L	98
14) Carbon disulfide	4.198	76	223063	25.136	ug/L	100
15) Methyl Acetate	4.472	43	44824	22.672	ug/L	95
16) Methylene chloride	4.710	84	75692	21.218	ug/L	90
17) trans-1,2-Dichloroethene	5.222	96	68850	23.987	ug/L	94
18) Methyl tert-butyl Ether	5.222	73	118958	22.975	ug/L	98
19) 1,1-Dichloroethane	6.015	63	139741	25.885	ug/L	98
20) cis-1,2-Dichloroethene	6.984	96	84669	27.510	ug/L	96
22) 2-Butanone	6.984	43	71345	56.239	ug/L	94
23) Bromochloromethane	7.332	128	36231	25.797	ug/L	# 79
25) Chloroform	7.508	83	150495	27.672	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.234	62	110120	27.940	ug/L	99
29) Cyclohexane	7.789	56	153166	30.589	ug/L	93
30) 1,1,1-Trichloroethane	7.704	97	125873	27.542	ug/L	98
31) Carbon tetrachloride	7.899	117	118532	27.182	ug/L	99
33) Benzene	8.161	78	335048	27.739	ug/L	100
34) Trichloroethene	8.935	95	85314	28.677	ug/L	91
35) Methylcyclohexane	9.185	83	151994	28.512	ug/L	93
37) 1,2-Dichloropropane	9.215	63	91450	29.536	ug/L	98
38) Bromodichloromethane	9.496	83	115044	28.679	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	142205	29.259	ug/L	99
40) 4-Methyl-2-pentanone	10.069	43	148374	54.943	ug/L	98
42) Toluene	10.246	91	362616	28.141	ug/L	97
44) trans-1,3-Dichloropropene	10.465	75	131015	28.846	ug/L	97
45) 1,1,2-Trichloroethane	10.642	97	60824	26.664	ug/L	95
46) Tetrachloroethene	10.721	164	69948	28.063	ug/L	98
48) 2-Hexanone	10.831	43	104128	58.429	ug/L	99
49) Dibromochloromethane	10.983	129	74987	27.011	ug/L	97
50) 1,2-Dibromoethane	11.087	107	58010	26.870	ug/L	98
51) Chlorobenzene	11.514	112	215810	27.460	ug/L	97
52) Ethylbenzene	11.593	91	377020	27.220	ug/L	99
53) m,p-Xylene	11.703	106	128218	24.471	ug/L	98
54) o-Xylene	12.032	106	117968	23.934	ug/L	97
55) Styrene	12.044	104	212561	24.649	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.581	83	68030	24.716	ug/L	98
59) Bromoform	12.209	173	38858	25.245	ug/L	99
60) Isopropylbenzene	12.331	105	316039	28.615	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	50159	27.342	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	258861	28.506	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	258529	29.106	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	136471	27.455	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	135187	26.689	ug/L	96
67) 1,2-Dichlorobenzene	13.739	146	119006	26.737	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	10043	25.424	ug/L	86
69) 1,3,5-Trichlorobenzene	14.507	180	90846	26.856	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	69945	25.637	ug/L	96
71) Naphthalene	15.239	128	140726	25.741	ug/L	100
72) 1,2,3-Trichlorobenzene	15.428	180	59138	25.652	ug/L	99

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

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