

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006988.D
 Acq On : 07 Dec 2021 03:12
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025899

Quant Time: Dec 07 04:16:14 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	8.691	114	179736	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	151911	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	70251	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	51580	22.282	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.120%
7) Chloroethane-d5	2.772	69	40144	22.107	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.440%
11) 1,1-Dichloroethene-d2	3.857	63	83935	17.441	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.760%
21) 2-Butanone-d5	6.881	46	34613	38.713	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.420%
24) Chloroform-d	7.478	84	97865	21.848	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	8.143	65	56997	21.199	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	8.112	84	178773	22.154	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	9.124	67	60771	23.969	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.880%
41) Toluene-d8	10.179	98	169798	22.467	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.880%
43) trans-1,3-Dichloroprop...	10.435	79	29120	23.746	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.000%
47) 2-Hexanone-d5	10.788	63	28208	48.071	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.140%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	47771	22.616	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.480%
66) 1,2-Dichlorobenzene-d4	13.721	152	45414	19.823	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	9449	8.327	ug/L	# 65
3) Chloromethane	2.113	50	40517	18.602	ug/L	97
5) Vinyl chloride	2.260	62	83438	26.006	ug/L	99
6) Bromomethane	2.662	94	47475	24.481	ug/L	97
8) Chloroethane	2.808	64	47966	25.196	ug/L	97
9) Trichlorofluoromethane	3.125	101	40332	17.310	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	43375	19.202	ug/L	93
12) 1,1-Dichloroethene	3.875	96	44044	18.108	ug/L	88
13) Acetone	3.942	43	27923	34.078	ug/L	97
14) Carbon disulfide	4.198	76	153403	19.132	ug/L	100
15) Methyl Acetate	4.479	43	36999	20.712	ug/L	94
16) Methylene chloride	4.716	84	59508	18.462	ug/L	89
17) trans-1,2-Dichloroethene	5.222	96	48953	18.876	ug/L	91
18) Methyl tert-butyl Ether	5.222	73	93762	20.042	ug/L	96
19) 1,1-Dichloroethane	6.021	63	101454	20.799	ug/L	98
20) cis-1,2-Dichloroethene	6.984	96	52568	18.903	ug/L	96
22) 2-Butanone	6.984	43	45070	39.320	ug/L	94
23) Bromochloromethane	7.338	128	29274	23.069	ug/L	83
25) Chloroform	7.509	83	114016	23.202	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	89577	25.155	ug/L	98
29) Cyclohexane	7.783	56	101641	24.006	ug/L	93
30) 1,1,1-Trichloroethane	7.704	97	91129	23.581	ug/L	98
31) Carbon tetrachloride	7.899	117	79767	21.633	ug/L	100
33) Benzene	8.161	78	253174	24.789	ug/L	100
34) Trichloroethene	8.941	95	59934	23.825	ug/L	92
35) Methylcyclohexane	9.185	83	99894	22.161	ug/L	93
37) 1,2-Dichloropropane	9.216	63	70095	26.774	ug/L #	97
38) Bromodichloromethane	9.496	83	84502	24.913	ug/L	96
39) cis-1,3-Dichloropropene	9.929	75	100939	24.561	ug/L	100
40) 4-Methyl-2-pentanone	10.069	43	127808	55.970	ug/L	98
42) Toluene	10.246	91	272723	25.030	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	95899	24.970	ug/L	96
45) 1,1,2-Trichloroethane	10.642	97	49823	25.830	ug/L	96
46) Tetrachloroethene	10.721	164	43984	20.869	ug/L	95
48) 2-Hexanone	10.831	43	89397	59.324	ug/L	98
49) Dibromochloromethane	10.984	129	57990	24.703	ug/L	99
50) 1,2-Dibromoethane	11.087	107	48082	26.339	ug/L	98
51) Chlorobenzene	11.514	112	137461	20.685	ug/L	93
52) Ethylbenzene	11.593	91	251047	21.435	ug/L	96
53) m,p-Xylene	11.703	106	92462	20.870	ug/L	100
54) o-Xylene	12.026	106	86972	20.868	ug/L	98
55) Styrene	12.044	104	160079	21.953	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.581	83	56171	24.135	ug/L	99
59) Bromoform	12.209	173	30830	21.519	ug/L	99
60) Isopropylbenzene	12.331	105	223928	21.783	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	41877	24.524	ug/L	96
62) 1,3,5-Trimethylbenzene	12.812	105	185237	21.915	ug/L	98
63) 1,2,4-Trimethylbenzene	13.117	105	185471	22.433	ug/L	98
64) 1,3-Dichlorobenzene	13.367	146	98797	21.354	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	100199	21.253	ug/L	96
67) 1,2-Dichlorobenzene	13.739	146	89732	21.659	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.355	75	8535	23.213	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.501	180	63051	20.025	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	51037	20.097	ug/L	99
71) Naphthalene	15.233	128	115747	22.746	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	45176	21.053	ug/L	99

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

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