

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY006999.D
 Acq On : 07 Dec 2021 15:58
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025900

Quant Time: Dec 08 01:41:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 01:33:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	158724	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	148470	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	84593	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	86876	24.347	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.400%
7) Chloroethane-d5	2.772	69	62217	22.804	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	3.857	63	134964	24.511	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.040%
21) 2-Butanone-d5	6.893	46	50340	48.704	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.400%
24) Chloroform-d	7.478	84	117523	23.352	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	8.143	65	69227	22.979	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.920%
32) Benzene-d6	8.112	84	230012	23.700	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	9.124	67	76054	23.242	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	10.179	98	211757	23.637	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.560%
43) trans-1,3-Dichloroprop...	10.441	79	35976	23.754	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.000%
47) 2-Hexanone-d5	10.788	63	37504	49.869	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.740%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	65524	23.393	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.560%
66) 1,2-Dichlorobenzene-d4	13.721	152	83718	25.742	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	30682	28.446	ug/L	98
3) Chloromethane	2.113	50	70367	26.257	ug/L	99
5) Vinyl chloride	2.259	62	108991	25.455	ug/L	97
6) Bromomethane	2.662	94	62069	24.707	ug/L	93
8) Chloroethane	2.808	64	62315	25.035	ug/L	98
9) Trichlorofluoromethane	3.125	101	72578	26.639	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	59902	25.904	ug/L #	72
12) 1,1-Dichloroethene	3.875	96	61490	25.981	ug/L	87
13) Acetone	3.948	43	45633	51.113	ug/L	100
14) Carbon disulfide	4.198	76	197648	26.049	ug/L	98
15) Methyl Acetate	4.479	43	51620	27.660	ug/L #	67
16) Methylene chloride	4.716	84	73949	22.367	ug/L	98
17) trans-1,2-Dichloroethene	5.216	96	65083	26.422	ug/L	94
18) Methyl tert-butyl Ether	5.222	73	129292	26.818	ug/L	100
19) 1,1-Dichloroethane	6.021	63	136136	26.191	ug/L	97
20) cis-1,2-Dichloroethene	6.990	96	72479	26.684	ug/L	99
22) 2-Butanone	6.990	43	69005	54.897	ug/L	100
23) Bromochloromethane	7.338	128	31359	26.394	ug/L	89
25) Chloroform	7.509	83	130834	26.220	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	95809	26.924	ug/L	98
29) Cyclohexane	7.789	56	125294	27.073	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	106864	26.289	ug/L	99
31) Carbon tetrachloride	7.905	117	96737	26.161	ug/L	99
33) Benzene	8.161	78	293979	26.696	ug/L	100
34) Trichloroethene	8.941	95	69760	26.221	ug/L	96
35) Methylcyclohexane	9.185	83	125611	27.031	ug/L	99
37) 1,2-Dichloropropane	9.222	63	80403	26.431	ug/L	99
38) Bromodichloromethane	9.496	83	99508	26.366	ug/L	97
39) cis-1,3-Dichloropropene	9.929	75	123661	26.903	ug/L	97
40) 4-Methyl-2-pentanone	10.069	43	151771	56.213	ug/L	99
42) Toluene	10.246	91	308815	26.552	ug/L	96
44) trans-1,3-Dichloropropene	10.465	75	114864	26.962	ug/L	97
45) 1,1,2-Trichloroethane	10.648	97	56962	26.399	ug/L	98
46) Tetrachloroethene	10.721	164	52637	25.759	ug/L	97
48) 2-Hexanone	10.831	43	107041	58.068	ug/L	99
49) Dibromochloromethane	10.984	129	65977	26.730	ug/L	99
50) 1,2-Dibromoethane	11.087	107	53535	26.471	ug/L	99
51) Chlorobenzene	11.520	112	181305	26.310	ug/L	99
52) Ethylbenzene	11.593	91	339139	26.557	ug/L	98
53) m,p-Xylene	11.703	106	123102	26.172	ug/L	99
54) o-Xylene	12.032	106	119333	26.801	ug/L	94
55) Styrene	12.044	104	211335	26.930	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.581	83	76541	26.696	ug/L	99
59) Bromoform	12.209	173	41319	23.793	ug/L	99
60) Isopropylbenzene	12.331	105	324320	25.036	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	57985	24.249	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	259978	24.978	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	258036	23.958	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	156126	26.231	ug/L	99
65) 1,4-Dichlorobenzene	13.447	146	158620	26.442	ug/L	97
67) 1,2-Dichlorobenzene	13.739	146	157274	29.129	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.361	75	14416	25.113	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.501	180	130894	29.970	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	108485	29.208	ug/L	98
71) Naphthalene	15.239	128	227138	28.587	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	94641	27.386	ug/L	98

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

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