

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100721\
 Data File : VY006321.D
 Acq On : 07 Oct 2021 09:41
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025889

Quant Time: Oct 08 00:51:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 02:02:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	208707	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	196146	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	105439	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	86444	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.32%
7) Chloroethane-d5	2.772	69	66203	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.64%
11) 1,1-Dichloroethene-d2	3.863	63	139688	23.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.20%
21) 2-Butanone-d5	6.893	46	55834	57.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.46%
24) Chloroform-d	7.484	84	134846	25.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	8.149	65	89349	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.48%
32) Benzene-d6	8.118	84	278771	25.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.32%
36) 1,2-Dichloropropane-d6	9.124	67	80883	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	10.185	98	261612	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloroprop...	10.441	79	43664	26.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.00%
47) 2-Hexanone-d5	10.789	63	40828	58.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.56%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	67911	27.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.84%
66) 1,2-Dichlorobenzene-d4	13.727	152	95388	26.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.92%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	91909	23.56	ug/L	100
3) Chloromethane	2.119	50	88346	23.14	ug/L	98
5) Vinyl chloride	2.260	62	106076	23.75	ug/L	99
6) Bromomethane	2.662	94	54251	26.78	ug/L	99
8) Chloroethane	2.802	64	59302	23.47	ug/L	99
9) Trichlorofluoromethane	3.137	101	133870	24.26	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	66137	23.73	ug/L	93
12) 1,1-Dichloroethene	3.881	96	64790	24.09	ug/L	94
13) Acetone	3.954	43	62031	56.14	ug/L	97
14) Carbon disulfide	4.204	76	225150	23.13	ug/L	99
15) Methyl Acetate	4.485	43	42788	24.80	ug/L	99
16) Methylene chloride	4.723	84	74510	20.25	ug/L	93
17) trans-1,2-Dichloroethene	5.229	96	69895	24.74	ug/L	99
18) Methyl tert-butyl Ether	5.229	73	189531	25.64	ug/L	96
19) 1,1-Dichloroethane	6.027	63	124980	24.40	ug/L	100
20) cis-1,2-Dichloroethene	6.990	96	75384	25.45	ug/L	97
22) 2-Butanone	6.990	43	69017	56.11	ug/L	97
23) Bromochloromethane	7.338	128	34645	25.73	ug/L	84
25) Chloroform	7.515	83	138185	24.64	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	100791	25.28	ug/L	98
29) Cyclohexane	7.789	56	121866	24.15	ug/L	94
30) 1,1,1-Trichloroethane	7.710	97	127524	25.61	ug/L	98
31) Carbon tetrachloride	7.905	117	114250	25.35	ug/L	99
33) Benzene	8.167	78	299678	25.02	ug/L	100
34) Trichloroethene	8.947	95	77497	25.47	ug/L	98
35) Methylcyclohexane	9.191	83	128461	24.17	ug/L	100
37) 1,2-Dichloropropane	9.222	63	70866	24.73	ug/L	98
38) Bromodichloromethane	9.502	83	98765	25.11	ug/L	99
39) cis-1,3-Dichloropropene	9.935	75	118525	26.02	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	124673	54.23	ug/L	97
42) Toluene	10.246	91	329684	25.46	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	111542	25.94	ug/L	98
45) 1,1,2-Trichloroethane	10.648	97	56510	26.69	ug/L	96
46) Tetrachloroethene	10.721	164	63425	25.25	ug/L	93
48) 2-Hexanone	10.837	43	102476	57.13	ug/L	99
49) Dibromochloromethane	10.990	129	71190	26.78	ug/L	100
50) 1,2-Dibromoethane	11.093	107	53788	27.24	ug/L #	98
51) Chlorobenzene	11.520	112	199873	25.48	ug/L	99
52) Ethylbenzene	11.593	91	350886	25.40	ug/L	96
53) m,p-Xylene	11.703	106	135298	25.58	ug/L	97
54) o-Xylene	12.032	106	130286	25.71	ug/L	98
55) Styrene	12.044	104	229172	25.94	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.581	83	59395	25.73	ug/L #	99
59) Bromoform	12.209	173	46678	26.23	ug/L #	97
60) Isopropylbenzene	12.331	105	348116	24.46	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	52692	25.47	ug/L	98
62) 1,3,5-Trimethylbenzene	12.813	105	289356	24.96	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	287753	25.15	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	160304	25.13	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	158931	24.78	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	145484	25.09	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	12570	25.22	ug/L	94
69) 1,3,5-Trichlorobenzene	14.501	180	114662	25.42	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	93341	25.59	ug/L	98
71) Naphthalene	15.239	128	191030	26.81	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	83277	26.28	ug/L	99

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

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