

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020821\
 Data File : VY003994.D
 Acq On : 08 Feb 2021 13:11
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025511

Quant Time: Feb 09 02:50:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 09 02:48:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	208372	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	198060	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	112980	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	90592	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.24%
7) Chloroethane-d5	2.772	69	72025	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	3.869	63	156254	23.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.04%
21) 2-Butanone-d5	6.905	46	60521	45.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.24%
24) Chloroform-d	7.490	84	135445	21.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.96%
26) 1,2-Dichloroethane-d4	8.149	65	90030	24.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	8.118	84	264421	22.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.16%
36) 1,2-Dichloropropane-d6	9.130	67	78207	21.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.36%
41) Toluene-d8	10.185	98	250166	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.52%
43) trans-1,3-Dichloroprop...	10.441	79	43490	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.96%
47) 2-Hexanone-d5	10.794	63	45800	46.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.30%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	71997	20.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.92%
66) 1,2-Dichlorobenzene-d4	13.727	152	92079	21.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	92966	23.02	ug/L	97
3) Chloromethane	2.119	50	107154	23.48	ug/L	98
5) Vinyl chloride	2.259	62	114943	26.07	ug/L	98
6) Bromomethane	2.662	94	71316	27.28	ug/L	97
8) Chloroethane	2.802	64	70629	25.54	ug/L	98
9) Trichlorofluoromethane	3.137	101	148682	27.64	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	78126	25.60	ug/L	100
12) 1,1-Dichloroethene	3.887	96	75770	25.72	ug/L	80
13) Acetone	3.960	43	50395	49.88	ug/L	96
14) Carbon disulfide	4.210	76	265862	26.26	ug/L	100
15) Methyl Acetate	4.491	43	58783	24.89	ug/L	98
16) Methylene chloride	4.735	84	83480	22.81	ug/L	94
17) trans-1,2-Dichloroethene	5.235	96	82441	26.57	ug/L	91
18) Methyl tert-butyl Ether	5.241	73	230501	26.32	ug/L #	94
19) 1,1-Dichloroethane	6.033	63	146469	25.41	ug/L	99
20) cis-1,2-Dichloroethene	6.996	96	85705	26.32	ug/L	94
22) 2-Butanone	6.996	43	79027	51.47	ug/L	95
23) Bromochloromethane	7.350	128	40343	25.82	ug/L	99
25) Chloroform	7.515	83	150581	25.90	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	119077	27.36	ug/L #	95
29) Cyclohexane	7.795	56	144682	25.86	ug/L	98
30) 1,1,1-Trichloroethane	7.710	97	141482	26.73	ug/L	98
31) Carbon tetrachloride	7.911	117	126614	26.74	ug/L	98
33) Benzene	8.167	78	333642	26.28	ug/L	100
34) Trichloroethene	8.947	95	84791	25.10	ug/L	95
35) Methylcyclohexane	9.185	83	148940	26.50	ug/L	94
37) 1,2-Dichloropropane	9.222	63	81813	24.10	ug/L	100
38) Bromodichloromethane	9.502	83	114324	25.58	ug/L	94
39) cis-1,3-Dichloropropene	9.935	75	144828	27.21	ug/L	95
40) 4-Methyl-2-pentanone	10.075	43	167103	50.50	ug/L	99
42) Toluene	10.246	91	364291	26.31	ug/L	98
44) trans-1,3-Dichloropropene	10.465	75	137131	27.68	ug/L	95
45) 1,1,2-Trichloroethane	10.648	97	66085	25.65	ug/L	97
46) Tetrachloroethene	10.721	164	71785	25.72	ug/L	98
48) 2-Hexanone	10.837	43	123202	51.92	ug/L	96
49) Dibromochloromethane	10.990	129	81911	25.64	ug/L	98
50) 1,2-Dibromoethane	11.093	107	64901	25.67	ug/L	97
51) Chlorobenzene	11.520	112	223058	25.68	ug/L	93
52) Ethylbenzene	11.593	91	406536	26.27	ug/L	97
53) m,p-Xylene	11.703	106	152930	26.43	ug/L	90
54) o-Xylene	12.032	106	147690	26.68	ug/L	94
55) Styrene	12.044	104	257993	26.85	ug/L	87
57) 1,1,2,2-Tetrachloroethane	12.587	83	79163	23.83	ug/L	100
59) Bromoform	12.209	173	57863	24.54	ug/L #	97
60) Isopropylbenzene	12.331	105	409216	25.35	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	67923	23.83	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	340436	24.83	ug/L	97
63) 1,2,4-Trimethylbenzene	13.123	105	353863	26.21	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	193839	25.98	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	187787	25.15	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	170900	24.64	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	17139	24.63	ug/L #	77
69) 1,3,5-Trichlorobenzene	14.501	180	139729	25.69	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	115998	25.72	ug/L	100
71) Naphthalene	15.233	128	242572	25.73	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	102198	26.06	ug/L	99

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

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