

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020821\
 Data File : VY003991.D
 Acq On : 08 Feb 2021 10:35
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025510

Quant Time: Feb 09 02:35:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 06 03:42:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	226503	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	214856	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	112747	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	104710	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.68%
7) Chloroethane-d5	2.772	69	82460	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.56%
11) 1,1-Dichloroethene-d2	3.863	63	175578	24.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.16%
21) 2-Butanone-d5	6.905	46	71397	49.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.02%
24) Chloroform-d	7.490	84	158764	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	8.149	65	101632	25.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.32%
32) Benzene-d6	8.118	84	307818	23.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.64%
36) 1,2-Dichloropropane-d6	9.130	67	90437	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
41) Toluene-d8	10.185	98	287865	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.84%
43) trans-1,3-Dichloroprop...	10.441	79	50265	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.88%
47) 2-Hexanone-d5	10.788	63	53981	50.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.36%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	83718	22.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.92%
66) 1,2-Dichlorobenzene-d4	13.721	152	102966	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	100564	22.91	ug/L	100
3) Chloromethane	2.119	50	111526	22.48	ug/L	100
5) Vinyl chloride	2.260	62	119207	24.88	ug/L	99
6) Bromomethane	2.662	94	73406	25.83	ug/L	99
8) Chloroethane	2.808	64	72232	24.03	ug/L	98
9) Trichlorofluoromethane	3.137	101	154682	26.46	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.918	101	79707	24.03	ug/L	99
12) 1,1-Dichloroethene	3.887	96	77894	24.33	ug/L #	71
13) Acetone	3.960	43	51909	47.27	ug/L	93
14) Carbon disulfide	4.210	76	276402	25.12	ug/L	100
15) Methyl Acetate	4.491	43	61509	23.96	ug/L	98
16) Methylene chloride	4.729	84	87411	21.97	ug/L	97
17) trans-1,2-Dichloroethene	5.235	96	82613	24.49	ug/L	86
18) Methyl tert-butyl Ether	5.235	73	236630	24.86	ug/L #	95
19) 1,1-Dichloroethane	6.033	63	151173	24.13	ug/L	99
20) cis-1,2-Dichloroethene	6.996	96	88263	24.93	ug/L	93
22) 2-Butanone	7.003	43	81247	48.68	ug/L	95
23) Bromochloromethane	7.350	128	41003	24.14	ug/L	98
25) Chloroform	7.515	83	152739	24.16	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	121680	25.72	ug/L	97
29) Cyclohexane	7.795	56	145112	23.91	ug/L	97
30) 1,1,1-Trichloroethane	7.710	97	143917	25.07	ug/L	98
31) Carbon tetrachloride	7.911	117	128106	24.94	ug/L	98
33) Benzene	8.167	78	339723	24.67	ug/L	100
34) Trichloroethene	8.941	95	87739	23.94	ug/L	93
35) Methylcyclohexane	9.185	83	148524	24.36	ug/L	94
37) 1,2-Dichloropropane	9.222	63	83911	22.79	ug/L	99
38) Bromodichloromethane	9.502	83	116828	24.09	ug/L	97
39) cis-1,3-Dichloropropene	9.935	75	143130	24.79	ug/L	96
40) 4-Methyl-2-pentanone	10.075	43	174852	48.71	ug/L	97
42) Toluene	10.246	91	369600	24.60	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	136981	25.49	ug/L	96
45) 1,1,2-Trichloroethane	10.648	97	68169	24.39	ug/L	98
46) Tetrachloroethene	10.721	164	73688	24.33	ug/L	97
48) 2-Hexanone	10.837	43	129609	50.35	ug/L	96
49) Dibromochloromethane	10.984	129	83007	23.95	ug/L	98
50) 1,2-Dibromoethane	11.093	107	66865	24.38	ug/L #	97
51) Chlorobenzene	11.520	112	228026	24.20	ug/L	96
52) Ethylbenzene	11.593	91	409728	24.41	ug/L	96
53) m,p-Xylene	11.703	106	154733	24.65	ug/L	92
54) o-Xylene	12.032	106	154000	25.64	ug/L	87
55) Styrene	12.044	104	274151	26.30	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.581	83	82025	22.76	ug/L	98
59) Bromoform	12.209	173	58794	24.99	ug/L #	97
60) Isopropylbenzene	12.331	105	398116	24.71	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	70460	24.77	ug/L	98
62) 1,3,5-Trimethylbenzene	12.813	105	339805	24.83	ug/L	96
63) 1,2,4-Trimethylbenzene	13.123	105	337735	25.07	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	185492	24.91	ug/L	99
65) 1,4-Dichlorobenzene	13.447	146	186873	25.08	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	168897	24.40	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	17690	25.47	ug/L	83
69) 1,3,5-Trichlorobenzene	14.501	180	137659	25.36	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	113948	25.32	ug/L	99
71) Naphthalene	15.233	128	238313	25.33	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	98704	25.22	ug/L	99

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

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