

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100521\
 Data File : VY006308.D
 Acq On : 05 Oct 2021 15:59
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV820

Quant Time: Oct 06 04:23:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 04:20:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	200417	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	190332	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	99086	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	79901	22.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.76%
7) Chloroethane-d5	2.772	69	59949	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	3.863	63	130563	22.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.68%
21) 2-Butanone-d5	6.899	46	48840	52.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.18%
24) Chloroform-d	7.484	84	121939	24.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	8.149	65	80879	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
32) Benzene-d6	8.118	84	248205	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	9.124	67	71741	23.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.36%
41) Toluene-d8	10.185	98	236665	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.88%
43) trans-1,3-Dichloroprop...	10.441	79	39424	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.60%
47) 2-Hexanone-d5	10.788	63	35876	52.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.56%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	59696	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.48%
66) 1,2-Dichlorobenzene-d4	13.721	152	82603	24.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.68%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	93977	25.08	ug/L	99
3) Chloromethane	2.119	50	82668	22.55	ug/L	97
5) Vinyl chloride	2.259	62	95815	22.34	ug/L	97
6) Bromomethane	2.662	94	49420	25.41	ug/L	99
8) Chloroethane	2.802	64	55972	23.06	ug/L	97
9) Trichlorofluoromethane	3.137	101	124642	23.52	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	61905	23.13	ug/L	95
12) 1,1-Dichloroethene	3.881	96	59824	23.16	ug/L	88
13) Acetone	3.954	43	60018	56.56	ug/L	97
14) Carbon disulfide	4.204	76	212275	22.71	ug/L	100
15) Methyl Acetate	4.485	43	40036	24.16	ug/L	97
16) Methylene chloride	4.728	84	67439	19.08	ug/L	95
17) trans-1,2-Dichloroethene	5.228	96	65395	24.10	ug/L	98
18) Methyl tert-butyl Ether	5.228	73	178105	25.09	ug/L	96
19) 1,1-Dichloroethane	6.033	63	116259	23.64	ug/L	98
20) cis-1,2-Dichloroethene	6.996	96	68851	24.21	ug/L	99
22) 2-Butanone	6.996	43	66206	56.06	ug/L	98
23) Bromochloromethane	7.344	128	31503	24.36	ug/L	89
25) Chloroform	7.515	83	127167	23.61	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	94280	24.62	ug/L	96
29) Cyclohexane	7.789	56	116029	23.69	ug/L	95
30) 1,1,1-Trichloroethane	7.710	97	118180	24.46	ug/L	98
31) Carbon tetrachloride	7.905	117	105143	24.04	ug/L	98
33) Benzene	8.167	78	277411	23.87	ug/L	100
34) Trichloroethene	8.941	95	70455	23.86	ug/L	99
35) Methylcyclohexane	9.185	83	124455	24.13	ug/L	100
37) 1,2-Dichloropropane	9.222	63	65719	23.63	ug/L	99
38) Bromodichloromethane	9.502	83	91899	24.08	ug/L	100
39) cis-1,3-Dichloropropene	9.929	75	110478	24.99	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	117628	52.73	ug/L	98
42) Toluene	10.246	91	302423	24.07	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	104292	24.99	ug/L	100
45) 1,1,2-Trichloroethane	10.648	97	50244	24.46	ug/L	100
46) Tetrachloroethene	10.721	164	58509	24.01	ug/L	95
48) 2-Hexanone	10.831	43	96039	55.18	ug/L	99
49) Dibromochloromethane	10.990	129	64968	25.19	ug/L	100
50) 1,2-Dibromoethane	11.093	107	48680	25.41	ug/L	99
51) Chlorobenzene	11.520	112	182776	24.01	ug/L	99
52) Ethylbenzene	11.593	91	325399	24.28	ug/L	99
53) m,p-Xylene	11.703	106	125048	24.37	ug/L	99
54) o-Xylene	12.032	106	120820	24.57	ug/L	98
55) Styrene	12.044	104	210223	24.52	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.581	83	55503	24.78	ug/L #	99
59) Bromoform	12.209	173	41886	25.05	ug/L #	98
60) Isopropylbenzene	12.331	105	326118	24.38	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	48466	24.93	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	271086	24.88	ug/L	98
63) 1,2,4-Trimethylbenzene	13.117	105	270197	25.13	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	145299	24.24	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	146822	24.36	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	132248	24.27	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	11660	24.89	ug/L	96
69) 1,3,5-Trichlorobenzene	14.501	180	105783	24.95	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	86991	25.38	ug/L	99
71) Naphthalene	15.239	128	178201	26.61	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	77013	25.86	ug/L	98

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

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