

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100721\
 Data File : VY006324.D
 Acq On : 07 Oct 2021 12:09
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

apatel
 10/14/2021 10:56:37 AM

Quant Time: Oct 08 01:04:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 08 00:53:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	199635	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	188844	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	94688	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	76535	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
7) Chloroethane-d5	2.772	69	59720	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	3.863	63	94121	16.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.36%
21) 2-Butanone-d5	6.899	46	42966	46.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.88%
24) Chloroform-d	7.484	84	118119	23.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	8.149	65	77616	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	8.118	84	252313	24.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.12%
36) 1,2-Dichloropropane-d6	9.124	67	73928	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.96%
41) Toluene-d8	10.185	98	236229	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.48%
43) trans-1,3-Dichloroprop...	10.441	79	36910	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.04%
47) 2-Hexanone-d5	10.788	63	30004	44.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.98%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	55171	23.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.68%
66) 1,2-Dichlorobenzene-d4	13.721	152	82975	25.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3553	0.95	ug/L	96
3) Chloromethane	2.119	50	3771	1.03	ug/L	91
5) Vinyl chloride	2.253	62	4843	1.13	ug/L #	77
6) Bromomethane	2.662	94	2397	1.24	ug/L	93
8) Chloroethane	2.802	64	2507	1.04	ug/L	98
9) Trichlorofluoromethane	3.137	101	5270	1.00	ug/L	96
12) 1,1-Dichloroethene	3.875	96	3333m	1.30	ug/L	
13) Acetone	3.954	43	1717	1.62	ug/L	78
14) Carbon disulfide	4.204	76	9215	0.99	ug/L #	94
15) Methyl Acetate	4.485	43	1483	0.90	ug/L #	67
16) Methylene chloride	4.722	84	9069	2.58	ug/L	95
17) trans-1,2-Dichloroethene	5.241	96	2726	1.01	ug/L	93
18) Methyl tert-butyl Ether	5.228	73	6719m	0.95	ug/L	
19) 1,1-Dichloroethane	6.027	63	5222	1.07	ug/L	98
20) cis-1,2-Dichloroethene	6.996	96	2914	1.03	ug/L	86
22) 2-Butanone	6.990	43	2134	1.81	ug/L	99
23) Bromochloromethane	7.344	128	1486m	1.15	ug/L	
25) Chloroform	7.515	83	13060	2.43	ug/L	96
27) 1,2-Dichloroethane	8.246	62	4099	1.07	ug/L	98

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

29) Cyclohexane	7.789	56	4272	0.88	ug/L	88
30) 1,1,1-Trichloroethane	7.710	97	5225	1.09	ug/L #	78
31) Carbon tetrachloride	7.905	117	4575	1.05	ug/L	99
33) Benzene	8.167	78	11970	1.04	ug/L	100
34) Trichloroethene	8.941	95	3192	1.09	ug/L	97
35) Methylcyclohexane	9.191	83	4949	0.97	ug/L	97
37) 1,2-Dichloropropane	9.222	63	3029	1.10	ug/L #	97
38) Bromodichloromethane	9.502	83	4117	1.09	ug/L	99
39) cis-1,3-Dichloropropene	9.935	75	4266	0.97	ug/L	91
40) 4-Methyl-2-pentanone	10.069	43	4248	1.92	ug/L	93
42) Toluene	10.246	91	16446	1.32	ug/L	99
44) trans-1,3-Dichloropropene	10.471	75	5877m	1.42	ug/L	
45) 1,1,2-Trichloroethane	10.642	97	2216	1.09	ug/L	93
46) Tetrachloroethene	10.727	164	2538	1.05	ug/L	92
48) 2-Hexanone	10.837	43	3138	1.82	ug/L #	97
49) Dibromochloromethane	10.990	129	2889	1.13	ug/L	94
50) 1,2-Dibromoethane	11.087	107	1957	1.03	ug/L #	85
51) Chlorobenzene	11.520	112	8071	1.07	ug/L	94
52) Ethylbenzene	11.593	91	13552	1.02	ug/L	92
53) m,p-Xylene	11.703	106	5432	1.07	ug/L	100
54) o-Xylene	12.032	106	4690	0.96	ug/L	100
55) Styrene	12.044	104	7959	0.94	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.581	83	2465	1.11	ug/L #	91
59) Bromoform	12.209	173	1740	1.09	ug/L #	95
60) Isopropylbenzene	12.331	105	12468	0.98	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	1959	1.05	ug/L	94
62) 1,3,5-Trimethylbenzene	12.812	105	10110	0.97	ug/L	96
63) 1,2,4-Trimethylbenzene	13.123	105	10391	1.01	ug/L	98
64) 1,3-Dichlorobenzene	13.367	146	6404	1.12	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	6675	1.16	ug/L	91
67) 1,2-Dichlorobenzene	13.739	146	5781	1.11	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.355	75	467m	1.04	ug/L	
69) 1,3,5-Trichlorobenzene	14.507	180	4556	1.12	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	3787	1.16	ug/L	94
71) Naphthalene	15.233	128	6104	0.95	ug/L	98
72) 1,2,3-Trichlorobenzene	15.422	180	3255	1.14	ug/L	96

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

