

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003646.D
 Acq On : 02 Dec 2020 12:43
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 2:03:10 PM

Quant Time: Dec 03 01:30:25 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M

Quant Title : VOC Analysis

QLast Update : Thu Dec 03 01:26:31 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	208822	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	193372	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	91492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	61252	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.80%
7) Chloroethane-d5	2.77	69	49414	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
11) 1,1-Dichloroethene-d2	3.86	63	95256	17.54	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.16%
21) 2-Butanone-d5	6.90	46	61404	52.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.84%
24) Chloroform-d	7.49	84	118891	22.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.76%
26) 1,2-Dichloroethane-d4	8.15	65	67553	23.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	8.12	84	258275	23.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	9.12	67	78310	23.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	10.18	98	227720	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	10.44	79	34512	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.08%
47) 2-Hexanone-d5	10.79	63	43633	48.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.58%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	77952	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.12%
66) 1,2-Dichlorobenzene-d4	13.72	152	79256	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	2523	1.041 ug/L	92
3) Chloromethane	2.12	50	3042	1.157 ug/L	99
5) Vinyl chloride	2.25	62	3549	1.258 ug/L #	56
6) Bromomethane	2.66	94	2212	1.253 ug/L	82
8) Chloroethane	2.80	64	1909	1.084 ug/L	93
9) Trichlorofluoromethane	3.13	101	5365m	1.253 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3139	1.099 ug/L #	72
12) 1,1-Dichloroethene	3.88	96	4188	1.543 ug/L #	1
13) Acetone	3.97	43	2428	2.892 ug/L	79
14) Carbon disulfide	4.21	76	9493	1.059 ug/L	98
15) Methyl Acetate	4.49	43	2247m	1.111 ug/L	
16) Methylene chloride	4.73	84	9573	2.716 ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	3351	1.124 ug/L #	79
18) Methyl tert-butyl Ether	5.23	73	6695	0.919 ug/L #	67
19) 1,1-Dichloroethane	6.03	63	5159	1.028 ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	3187	1.019 ug/L	87
22) 2-Butanone	7.00	43	4473	3.169 ug/L #	74

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 QLast Update : Thu Dec 03 01:26:31 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.35	128	1683	1.104	ug/L #	77
25) Chloroform	7.51	83	5759	1.145	ug/L	99
27) 1,2-Dichloroethane	8.25	62	3320	1.003	ug/L #	91
29) Cyclohexane	7.78	56	4347	0.947	ug/L	96
30) 1,1,1-Trichloroethane	7.72	97	4611	1.046	ug/L	99
31) Carbon tetrachloride	7.91	117	4199m	1.055	ug/L	
33) Benzene	8.17	78	12186	1.031	ug/L	100
34) Trichloroethene	8.94	95	3096	1.050	ug/L	91
35) Methylcyclohexane	9.19	83	4628	0.918	ug/L	89
37) 1,2-Dichloropropane	9.22	63	2955	0.985	ug/L #	91
38) Bromodichloromethane	9.50	83	3805	1.008	ug/L	91
39) cis-1,3-Dichloropropene	9.93	75	4707	1.016	ug/L	91
40) 4-Methyl-2-pentanone	10.07	43	6233	2.366	ug/L	97
42) Toluene	10.25	91	13045	1.051	ug/L	95
44) trans-1,3-Dichloropropene	10.47	75	6031	1.410	ug/L	91
45) 1,1,2-Trichloroethane	10.65	97	2884	1.145	ug/L #	77
46) Tetrachloroethene	10.72	164	2692	1.066	ug/L	92
48) 2-Hexanone	10.83	43	4014	2.088	ug/L	95
49) Dibromochloromethane	10.98	129	2711	0.931	ug/L	100
50) 1,2-Dibromoethane	11.09	107	2408	0.988	ug/L #	96
51) Chlorobenzene	11.51	112	8277	1.035	ug/L	97
52) Ethylbenzene	11.59	91	13352	1.005	ug/L	95
53) m,p-Xylene	11.70	106	4754	0.915	ug/L	78
54) o-Xylene	12.03	106	4451	0.907	ug/L	97
55) Styrene	12.04	104	7619	0.908	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.58	83	3807	1.140	ug/L #	97
59) Bromoform	12.21	173	1986	1.106	ug/L	97
60) Isopropylbenzene	12.33	105	11049	0.945	ug/L	96
61) 1,2,3-Trichloropropane	12.64	75	2357	1.077	ug/L	92
62) 1,3,5-Trimethylbenzene	12.81	105	8557	0.923	ug/L	95
63) 1,2,4-Trimethylbenzene	13.12	105	8082	0.882	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	5820	1.028	ug/L	90
65) 1,4-Dichlorobenzene	13.44	146	6508	1.132	ug/L	94
67) 1,2-Dichlorobenzene	13.73	146	5889	1.108	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.36	75	638m	1.257	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	4199	1.056	ug/L	93
70) 1,2,4-trichlorobenzene	15.00	180	3361	0.993	ug/L	98
71) Naphthalene	15.23	128	6166	0.834	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	2952	0.949	ug/L	100

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

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