

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003647.D
 Acq On : 02 Dec 2020 13:05
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 2:03:17 PM

Quant Time: Dec 03 01:32:03 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	205394	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	189145	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	90439	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	57587	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.84%
7) Chloroethane-d5	2.77	69	47672	22.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	3.86	63	92298	17.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.12%
21) 2-Butanone-d5	6.90	46	61642	53.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.00%
24) Chloroform-d	7.49	84	115232	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.15	65	63746	22.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.36%
32) Benzene-d6	8.12	84	248449	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
36) 1,2-Dichloropropane-d6	9.12	67	75456	23.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.20%
41) Toluene-d8	10.18	98	219256	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.32%
43) trans-1,3-Dichloropropene-	10.44	79	34569	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.20%
47) 2-Hexanone-d5	10.79	63	44094	50.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.80%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	77650	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.80%
66) 1,2-Dichlorobenzene-d4	13.72	152	73884	23.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3278	1.375 ug/L	96
3) Chloromethane	2.12	50	3537	1.368 ug/L	91
5) Vinyl chloride	2.25	62	3888	1.402 ug/L	84
6) Bromomethane	2.66	94	2432	1.400 ug/L	98
8) Chloroethane	2.80	64	2312	1.335 ug/L	84
9) Trichlorofluoromethane	3.14	101	5660	1.344 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4442m	1.581 ug/L	
12) 1,1-Dichloroethene	3.88	96	4240	1.588 ug/L #	1
13) Acetone	3.95	43	2504m	3.033 ug/L	
14) Carbon disulfide	4.20	76	11106	1.259 ug/L #	88
15) Methyl Acetate	4.48	43	2732m	1.374 ug/L	
16) Methylene chloride	4.73	84	10306	2.972 ug/L	90
17) trans-1,2-Dichloroethene	5.23	96	3640	1.241 ug/L	90
18) Methyl tert-butyl Ether	5.23	73	8102	1.131 ug/L #	70
19) 1,1-Dichloroethane	6.03	63	6139m	1.244 ug/L	
20) cis-1,2-Dichloroethene	6.99	96	3954	1.286 ug/L	99
22) 2-Butanone	6.99	43	4595	3.310 ug/L #	56

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Quant Time: Dec 03 01:32:03 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)

23) Bromochloromethane	7.35	128	1910	1.274	ug/L	80
25) Chloroform	7.52	83	6457	1.306	ug/L	88
27) 1,2-Dichloroethane	8.25	62	4178m	1.283	ug/L	
29) Cyclohexane	7.79	56	4863	1.083	ug/L	96
30) 1,1,1-Trichloroethane	7.71	97	5425	1.258	ug/L	97
31) Carbon tetrachloride	7.91	117	4971	1.277	ug/L	92
33) Benzene	8.17	78	14119	1.221	ug/L	100
34) Trichloroethene	8.95	95	3544	1.228	ug/L	88
35) Methylcyclohexane	9.18	83	5663	1.148	ug/L	96
37) 1,2-Dichloropropane	9.22	63	3471	1.183	ug/L #	95
38) Bromodichloromethane	9.50	83	4380	1.186	ug/L	87
39) cis-1,3-Dichloropropene	9.93	75	4993	1.101	ug/L	94
40) 4-Methyl-2-pentanone	10.07	43	6921	2.686	ug/L	99
42) Toluene	10.25	91	15043	1.239	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	6330	1.513	ug/L	85
45) 1,1,2-Trichloroethane	10.65	97	3070	1.246	ug/L	92
46) Tetrachloroethene	10.72	164	3289	1.332	ug/L	92
48) 2-Hexanone	10.83	43	5098	2.711	ug/L #	96
49) Dibromochloromethane	10.98	129	3254	1.143	ug/L	96
50) 1,2-Dibromoethane	11.09	107	2946	1.236	ug/L	95
51) Chlorobenzene	11.51	112	9427	1.205	ug/L	91
52) Ethylbenzene	11.59	91	14539	1.119	ug/L	96
53) m,p-Xylene	11.70	106	5838	1.149	ug/L	88
54) o-Xylene	12.03	106	5612	1.169	ug/L	71
55) Styrene	12.04	104	8475	1.032	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.59	83	4222	1.293	ug/L #	91
59) Bromoform	12.21	173	2210	1.245	ug/L	95
60) Isopropylbenzene	12.33	105	12945	1.120	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	2984	1.380	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	10297	1.123	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	9376	1.035	ug/L	95
64) 1,3-Dichlorobenzene	13.37	146	6848	1.224	ug/L	93
65) 1,4-Dichlorobenzene	13.44	146	7315	1.287	ug/L #	90
67) 1,2-Dichlorobenzene	13.73	146	6551	1.247	ug/L #	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	762m	1.518	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	4907	1.249	ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	3809	1.138	ug/L	94
71) Naphthalene	15.23	128	7536	1.031	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	3402	1.107	ug/L	97

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

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