

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011221\
 Data File : VY003894.D
 Acq On : 12 Jan 2021 10:23
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:36:55 PM

Quant Time: Jan 12 11:03:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:00:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	122867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	181036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	170939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	38384	24.00	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	48.00%#		
35) Dibromofluoromethane	7.722	113	29736	20.46	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.92%#		
50) Toluene-d8	10.179	98	121064	21.29	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	42.58%#		
62) 4-Bromofluorobenzene	12.477	95	43659	21.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	42.42%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	34759	24.58	ug/l	96
3) Chloromethane	2.119	50	43803	25.08	ug/l	96
4) Vinyl Chloride	2.253	62	45587	24.31	ug/l	98
5) Bromomethane	2.644	94	33096	23.27	ug/l	94
6) Chloroethane	2.790	64	29050	24.94	ug/l	99
7) Trichlorofluoromethane	3.125	101	61206	23.55	ug/l	96
8) Diethyl Ether	3.534	74	18361	22.50	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.912	101	31526	22.46	ug/l	95
10) Methyl Iodide	4.101	142	36710	21.56	ug/l	93
11) Tert butyl alcohol	4.960	59	20017	126.33	ug/l	97
12) 1,1-Dichloroethene	3.875	96	31022	22.90	ug/l	91
13) Acrolein	3.735	56	19659	121.33	ug/l	95
14) Allyl chloride	4.485	41	66089	26.49	ug/l	94
15) Acrylonitrile	5.168	53	51907	121.57	ug/l	96
16) Acetone	3.954	43	47348	129.23	ug/l	96
17) Carbon Disulfide	4.198	76	103662	23.67	ug/l	99
18) Methyl Acetate	4.485	43	25141	25.46	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	93556	23.57	ug/l	98
20) Methylene Chloride	4.716	84	36678	22.08	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	33918	21.89	ug/l	98
22) Diisopropyl ether	6.131	45	128938	25.90	ug/l	97
23) Vinyl Acetate	6.070	43	444241	132.70	ug/l	97
24) 1,1-Dichloroethane	6.027	63	63711	23.95	ug/l	98
25) 2-Butanone	6.997	43	74018	130.22	ug/l	94
26) 2,2-Dichloropropane	6.984	77	59694	23.81	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	37568	22.23	ug/l	93
28) Bromochloromethane	7.338	49	29373	25.39	ug/l #	10
29) Tetrahydrofuran	7.350	42	51070	131.41	ug/l	93
30) Chloroform	7.509	83	63520	23.01	ug/l	98
31) Cyclohexane	7.789	56	66550	24.85	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	58794	22.94	ug/l	96
36) 1,1-Dichloropropene	7.917	75	50580	21.96	ug/l	98
37) Ethyl Acetate	7.076	43	35523	25.90	ug/l	98
38) Carbon Tetrachloride	7.905	117	53774	21.42	ug/l	97
39) Methylcyclohexane	9.185	83	61298	21.64	ug/l	93
40) Benzene	8.167	78	140200	22.09	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	18237m	23.76	ug/l	
42) 1,2-Dichloroethane	8.240	62	48672	23.30	ug/l	98
43) Isopropyl Acetate	8.277	43	65804	25.62	ug/l	94
44) Trichloroethene	8.941	130	37580	20.12	ug/l	90
45) 1,2-Dichloropropane	9.216	63	37106	23.30	ug/l	98
46) Dibromomethane	9.307	93	19598	21.21	ug/l	93
47) Bromodichloromethane	9.496	83	50423	22.09	ug/l	97
48) Methyl methacrylate	9.295	41	30749	25.07	ug/l	89
49) 1,4-Dioxane	9.301	88	5236	442.06	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	173110	127.73	ug/l	94
52) Toluene	10.240	92	86981	21.25	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	53643	22.01	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	59734	21.82	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	27638	21.19	ug/l	94
56) Ethyl methacrylate	10.508	69	40960	22.88	ug/l	91
57) 1,3-Dichloropropane	10.789	76	48981	21.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	107387	121.82	ug/l	95
59) 2-Hexanone	10.831	43	120117	128.31	ug/l	93
60) Dibromochloromethane	10.984	129	34528	20.39	ug/l	98
61) 1,2-Dibromoethane	11.087	107	27123	21.09	ug/l	99
64) Tetrachloroethene	10.715	164	41094	19.27	ug/l	93
65) Chlorobenzene	11.514	112	90846	20.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	34773	19.97	ug/l	99
67) Ethyl Benzene	11.593	91	173709	21.54	ug/l	100
68) m/p-Xylenes	11.703	106	127405	41.33	ug/l	93
69) o-Xylene	12.026	106	60999	21.18	ug/l	99
70) Styrene	12.044	104	103341	21.08	ug/l	97
71) Bromoform	12.209	173	23094	19.63	ug/l #	98
73) Isopropylbenzene	12.325	105	168810	21.66	ug/l	99
74) N-amyl acetate	12.142	43	60318	26.02	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	32005	22.47	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	25472m	22.63	ug/l	
77) Bromobenzene	12.605	156	40658	20.26	ug/l	88
78) n-propylbenzene	12.666	91	203485	22.17	ug/l	99
79) 2-Chlorotoluene	12.752	91	114666	21.95	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	147553	22.10	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	13690	23.51	ug/l #	89
82) 4-Chlorotoluene	12.849	91	122326	22.23	ug/l	98
83) tert-Butylbenzene	13.075	119	122526	21.31	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	145908	21.87	ug/l	99
85) sec-Butylbenzene	13.251	105	172571	22.14	ug/l	99
86) p-Isopropyltoluene	13.367	119	164053	21.97	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	79239	20.64	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	77212	20.51	ug/l	97
89) n-Butylbenzene	13.690	91	157663	23.15	ug/l	96
90) Hexachloroethane	13.959	117	28465	20.78	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	69724	20.57	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	6445	22.17	ug/l	90
93) 1,2,4-Trichlorobenzene	15.001	180	51548	20.70	ug/l	99
94) Hexachlorobutadiene	15.105	225	33911	20.23	ug/l	98
95) Naphthalene	15.227	128	95804	21.73	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	45519	20.99	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
1/13/2021 4:36:55 PM

Abundance

TIC: VY003894.D\data.ms

Time-->

600000

580000

560000

540000

520000

500000

480000

460000

440000

420000

400000

380000

360000

340000

320000

300000

280000

260000

240000

220000

200000

180000

160000

140000

120000

100000

80000

60000

40000

20000

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2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Acetone, T

1,2-Trichloroethane, T

Carbon Disulfide, T

Methyl iodide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 2-Dimethylaminoacetate, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

2,3-Dichlorobutane, T

Methacrylonitrile, T

Chloroform, C

Dichloromethane, S

1,2-Dichloroethane, T

1,2-Dichloroethane, TM

1,4-Difluorobenzene, I

Trichloroethene, TM

Dibromodichloroethane, T

Bromodichloromethane, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

cis-1,3-Dichloropropene, T

Toluene, CM

Ethyl methacrylate, T

1,2-Dichloroethane, T

1,3-Dichloropropane, T

Dibromochloromethane, T

1,2-Dibromoethane, T

Chlorobenzene, PM

Chlorobenzene, S

Ethyl Benzene, T

m-Xylene, T

Styrene, T

N-amyl acetate, T

Bromotoluene, P

trans-1,4-Dichloro-2-butene, T

4-Bromofluorobenzene, S

Bromobenzene, T

1,3,5-Trimethylbenzene, T

2-Chlorotoluene, T

1,3,5-Trimethylbenzene, T

1,2,4-Trimethylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

1,4-Dichlorobenzene, T

n-Butylbenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

Naphthalene, T

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T