

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022221\
 Data File : VY004033.D
 Acq On : 22 Feb 2021 12:52
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 2/23/2021 1:06:18 PM

Quant Time: Feb 23 03:16:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 23 03:09:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	71512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	106962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	97539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	48917	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82894	103.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 207.76%#			
35) Dibromofluoromethane	7.722	113	67286	104.34	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.68%#			
50) Toluene-d8	10.179	98	273312	105.70	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 211.40%#			
62) 4-Bromofluorobenzene	12.477	95	94447	103.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 206.80%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65319	96.24	ug/l	97
3) Chloromethane	2.113	50	101277	99.91	ug/l	100
4) Vinyl Chloride	2.253	62	103973	105.75	ug/l	98
5) Bromomethane	2.644	94	63179	95.84	ug/l	96
6) Chloroethane	2.790	64	59160	99.63	ug/l	100
7) Trichlorofluoromethane	3.125	101	119979	97.58	ug/l	99
8) Diethyl Ether	3.534	74	36556	92.91	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	63643	96.80	ug/l	99
10) Methyl Iodide	4.095	142	88090	106.66	ug/l	98
11) Tert butyl alcohol	4.960	59	37903	320.14	ug/l	100
12) 1,1-Dichloroethene	3.875	96	63016	95.45	ug/l	99
13) Acrolein	3.735	56	35686	449.63	ug/l	97
14) Allyl chloride	4.485	41	123365	98.58	ug/l	97
15) Acrylonitrile	5.168	53	98747	476.11	ug/l	100
16) Acetone	3.954	43	85526	424.08	ug/l	99
17) Carbon Disulfide	4.198	76	204472	95.86	ug/l	98
18) Methyl Acetate	4.479	43	44156	93.17	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	188780	97.39	ug/l	99
20) Methylene Chloride	4.722	84	72101	88.44	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	73801	99.44	ug/l	97
22) Diisopropyl ether	6.125	45	241801	98.31	ug/l	99
23) Vinyl Acetate	6.064	43	808323	485.30	ug/l	100
24) 1,1-Dichloroethane	6.021	63	129757	98.63	ug/l	99
25) 2-Butanone	6.990	43	131615	457.97	ug/l	99
26) 2,2-Dichloropropane	6.990	77	122285	100.52	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	81466	99.94	ug/l	99
28) Bromochloromethane	7.338	49	55289	95.10	ug/l	97
29) Tetrahydrofuran	7.350	42	85084	458.72	ug/l	100
30) Chloroform	7.509	83	132317	99.16	ug/l	100
31) Cyclohexane	7.789	56	125398	93.63	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	123489	100.75	ug/l	99
36) 1,1-Dichloropropene	7.917	75	106488	99.42	ug/l	100
37) Ethyl Acetate	7.076	43	58778	92.81	ug/l	98
38) Carbon Tetrachloride	7.905	117	112860	102.05	ug/l	98
39) Methylcyclohexane	9.179	83	130920	101.17	ug/l	98
40) Benzene	8.161	78	298131	100.22	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	35068m	83.44	ug/l	
42) 1,2-Dichloroethane	8.240	62	97177	99.45	ug/l	100
43) Isopropyl Acetate	8.271	43	115408	96.71	ug/l	100
44) Trichloroethene	8.941	130	81166	98.77	ug/l	94
45) 1,2-Dichloropropane	9.216	63	74059	101.56	ug/l	98
46) Dibromomethane	9.307	93	40676	99.75	ug/l	100
47) Bromodichloromethane	9.496	83	105877	101.53	ug/l	98
48) Methyl methacrylate	9.289	41	55963	95.89	ug/l	96
49) 1,4-Dioxane	9.295	88	9914	2016.58	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	292083	473.90	ug/l	100
52) Toluene	10.240	92	188148	101.15	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	112029	99.86	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	125463	99.93	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	56180	97.22	ug/l	99
56) Ethyl methacrylate	10.508	69	81983	99.35	ug/l	98
57) 1,3-Dichloropropane	10.788	76	100225	97.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	168978	451.47	ug/l	99
59) 2-Hexanone	10.831	43	204892	471.66	ug/l	99
60) Dibromochloromethane	10.984	129	73059	100.18	ug/l	99
61) 1,2-Dibromoethane	11.087	107	55648	98.21	ug/l	97
64) Tetrachloroethene	10.715	164	89722	99.79	ug/l	99
65) Chlorobenzene	11.514	112	197948	100.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	75957	101.18	ug/l	100
67) Ethyl Benzene	11.587	91	376665	102.19	ug/l	98
68) m/p-Xylenes	11.703	106	278333	204.73	ug/l	100
69) o-Xylene	12.026	106	130773	102.36	ug/l	100
70) Styrene	12.044	104	224602	102.35	ug/l	98
71) Bromoform	12.203	173	47902	99.78	ug/l #	100
73) Isopropylbenzene	12.325	105	359183	103.42	ug/l	100
74) N-amyl acetate	12.142	43	105793	100.83	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	61129	96.68	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	48339m	93.87	ug/l	
77) Bromobenzene	12.605	156	87740	102.64	ug/l	100
78) n-propylbenzene	12.666	91	425203	102.26	ug/l	100
79) 2-Chlorotoluene	12.752	91	241326	102.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	304933	102.94	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	25631	96.92	ug/l	95
82) 4-Chlorotoluene	12.849	91	250934	101.39	ug/l	99
83) tert-Butylbenzene	13.075	119	260527	102.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	303239	102.17	ug/l	99
85) sec-Butylbenzene	13.251	105	356803	102.67	ug/l	100
86) p-Isopropyltoluene	13.367	119	333357	103.01	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	165787	101.82	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	161884	100.10	ug/l	99
89) n-Butylbenzene	13.690	91	308049	102.51	ug/l	100
90) Hexachloroethane	13.959	117	59707	103.47	ug/l	100
91) 1,2-Dichlorobenzene	13.733	146	143034	99.30	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11507	95.03	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	103487	100.03	ug/l	99
94) Hexachlorobutadiene	15.105	225	66615	101.95	ug/l	99
95) Naphthalene	15.233	128	183602	97.32	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	88860	100.70	ug/l	100

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

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