

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022421\
 Data File : VY004047.D
 Acq On : 24 Feb 2021 12:02
 Operator : SY/MD
 Sample : VY0224SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 12:17:49 PM

Quant Time: Feb 25 01:12:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 23 03:42:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	61313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	91494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	83755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	43964	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	37545	54.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.76%			
35) Dibromofluoromethane	7.722	113	29232	53.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.00%			
50) Toluene-d8	10.179	98	119147	53.87	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.74%			
62) 4-Bromofluorobenzene	12.477	95	42312	54.15	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.30%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	13836	23.78	ug/l	100
3) Chloromethane	2.113	50	20620	23.73	ug/l	96
4) Vinyl Chloride	2.253	62	19018	22.56	ug/l	100
5) Bromomethane	2.644	94	13086	23.15	ug/l	96
6) Chloroethane	2.790	64	11739	23.06	ug/l	94
7) Trichlorofluoromethane	3.125	101	23923	22.69	ug/l	97
8) Diethyl Ether	3.534	74	7370	21.85	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	11236	19.93	ug/l	100
10) Methyl Iodide	4.095	142	13864	19.58	ug/l	98
11) Tert butyl alcohol	4.954	59	7869	79.82	ug/l	98
12) 1,1-Dichloroethene	3.875	96	11119	19.64	ug/l	98
13) Acrolein	3.735	56	7152	105.10	ug/l	96
14) Allyl chloride	4.479	41	21273	19.83	ug/l	98
15) Acrylonitrile	5.168	53	18613	104.67	ug/l	99
16) Acetone	3.948	43	17706	102.40	ug/l	98
17) Carbon Disulfide	4.198	76	37160	20.32	ug/l	99
18) Methyl Acetate	4.479	43	8759	21.56	ug/l	100
19) Methyl tert-butyl Ether	5.229	73	34459	20.73	ug/l	99
20) Methylene Chloride	4.723	84	14009	20.04	ug/l	94
21) trans-1,2-Dichloroethene	5.229	96	12866	20.22	ug/l	98
22) Diisopropyl ether	6.125	45	42318	20.07	ug/l	96
23) Vinyl Acetate	6.064	43	145216	101.69	ug/l	100
24) 1,1-Dichloroethane	6.021	63	22637	20.07	ug/l	98
25) 2-Butanone	6.990	43	26424	107.24	ug/l	99
26) 2,2-Dichloropropane	6.990	77	21315	20.44	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	14352	20.54	ug/l	99
28) Bromochloromethane	7.338	49	10100	20.26	ug/l	97
29) Tetrahydrofuran	7.350	42	16159	101.61	ug/l	99
30) Chloroform	7.515	83	23320	20.38	ug/l	97
31) Cyclohexane	7.789	56	22575	19.66	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	21966	20.90	ug/l	98
36) 1,1-Dichloropropene	7.923	75	18041	19.69	ug/l	98
37) Ethyl Acetate	7.082	43	11485	21.20	ug/l	97
38) Carbon Tetrachloride	7.905	117	19694	20.82	ug/l	98
39) Methylcyclohexane	9.179	83	22034	19.91	ug/l	99
40) Benzene	8.161	78	51310	20.16	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	6374m	22.27	ug/l	
42) 1,2-Dichloroethane	8.240	62	18003	21.54	ug/l	99
43) Isopropyl Acetate	8.277	43	21574	21.14	ug/l	100
44) Trichloroethene	8.941	130	14144	20.12	ug/l	94
45) 1,2-Dichloropropane	9.216	63	12655	20.29	ug/l	99
46) Dibromomethane	9.307	93	7213	20.68	ug/l	99
47) Bromodichloromethane	9.496	83	18626	20.88	ug/l	97
48) Methyl methacrylate	9.289	41	10833	21.70	ug/l	95
49) 1,4-Dioxane	9.301	88	1762	418.99	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	55604	105.47	ug/l	100
52) Toluene	10.240	92	32075	20.16	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	20281	21.14	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	21829	20.33	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	10495	21.23	ug/l	96
56) Ethyl methacrylate	10.508	69	14811	20.98	ug/l	98
57) 1,3-Dichloropropane	10.789	76	18034	20.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	36216	113.12	ug/l	100
59) 2-Hexanone	10.831	43	39117	105.27	ug/l	98
60) Dibromochloromethane	10.984	129	12787	20.50	ug/l	99
61) 1,2-Dibromoethane	11.087	107	10287	21.23	ug/l	95
64) Tetrachloroethene	10.715	164	16175	20.95	ug/l	99
65) Chlorobenzene	11.514	112	34351	20.36	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	13285	20.61	ug/l	100
67) Ethyl Benzene	11.587	91	63448	20.05	ug/l	99
68) m/p-Xylenes	11.697	106	47071	40.32	ug/l	99
69) o-Xylene	12.026	106	22017	20.07	ug/l	98
70) Styrene	12.038	104	38373	20.36	ug/l	99
71) Bromoform	12.203	173	8494	20.60	ug/l #	100
73) Isopropylbenzene	12.325	105	61541	19.72	ug/l	100
74) N-amyl acetate	12.142	43	19179	20.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	11274	19.84	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	8646m	19.59	ug/l	
77) Bromobenzene	12.605	156	15869	20.66	ug/l	97
78) n-propylbenzene	12.666	91	73431	19.65	ug/l	100
79) 2-Chlorotoluene	12.752	91	41290	19.48	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	52929	19.88	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	4721	19.86	ug/l	93
82) 4-Chlorotoluene	12.849	91	43385	19.50	ug/l	99
83) tert-Butylbenzene	13.069	119	44519	19.52	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	53469	20.05	ug/l	98
85) sec-Butylbenzene	13.245	105	61291	19.62	ug/l	100
86) p-Isopropyltoluene	13.367	119	57078	19.62	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	29218	19.97	ug/l	100
88) 1,4-Dichlorobenzene	13.441	146	29039	19.98	ug/l	98
89) n-Butylbenzene	13.690	91	55055	20.38	ug/l	99
90) Hexachloroethane	13.953	117	10446	20.14	ug/l	100
91) 1,2-Dichlorobenzene	13.733	146	26457	20.44	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2346	21.56	ug/l	99
93) 1,2,4-Trichlorobenzene	15.001	180	18353	19.74	ug/l	99
94) Hexachlorobutadiene	15.105	225	12197	20.77	ug/l	100
95) Naphthalene	15.227	128	34880	20.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.416	180	16246	20.48	ug/l	100

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

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