

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020321\
 Data File : VY003962.D
 Acq On : 03 Feb 2021 16:17
 Operator : SY/MD
 Sample : VY0203SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 11:08:19 AM

Quant Time: Feb 04 01:20:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	98165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	142538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	132255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69810	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	49454	45.81	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.62%		
35) Dibromofluoromethane	7.728	113	41142	49.37	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.74%		
50) Toluene-d8	10.185	98	154591	47.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.54%		
62) 4-Bromofluorobenzene	12.483	95	59177	49.64	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.28%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	20408	20.97	ug/l	99
3) Chloromethane	2.119	50	21663	17.68	ug/l	94
4) Vinyl Chloride	2.259	62	23701	18.55	ug/l	99
5) Bromomethane	2.656	94	17869	19.63	ug/l	99
6) Chloroethane	2.802	64	15520	19.38	ug/l	97
7) Trichlorofluoromethane	3.137	101	36991	20.89	ug/l	91
8) Diethyl Ether	3.540	74	10717	19.35	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	18900	20.68	ug/l	96
10) Methyl Iodide	4.107	142	21889	19.36	ug/l	100
11) Tert butyl alcohol	4.966	59	12307	108.29	ug/l	100
12) 1,1-Dichloroethene	3.881	96	17909	20.21	ug/l	92
13) Acrolein	3.747	56	9674	97.21	ug/l	100
14) Allyl chloride	4.497	41	30664	18.79	ug/l	95
15) Acrylonitrile	5.186	53	27958	99.17	ug/l	99
16) Acetone	3.960	43	24851	93.79	ug/l	97
17) Carbon Disulfide	4.210	76	56999	19.57	ug/l	96
18) Methyl Acetate	4.491	43	12594	19.07	ug/l	92
19) Methyl tert-butyl Ether	5.234	73	54142	20.01	ug/l	96
20) Methylene Chloride	4.735	84	22705	20.18	ug/l	89
21) trans-1,2-Dichloroethene	5.241	96	20131	19.74	ug/l	89
22) Diisopropyl ether	6.137	45	60459	18.62	ug/l	98
23) Vinyl Acetate	6.076	43	208677	94.34	ug/l	95
24) 1,1-Dichloroethane	6.039	63	33936	18.86	ug/l	98
25) 2-Butanone	7.002	43	35891	95.07	ug/l	91
26) 2,2-Dichloropropane	6.996	77	33692	19.65	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	22039	19.48	ug/l	97
28) Bromochloromethane	7.344	49	12833	16.55	ug/l #	81
29) Tetrahydrofuran	7.362	42	22737	94.49	ug/l	89
30) Chloroform	7.521	83	36016	19.04	ug/l	98
31) Cyclohexane	7.795	56	34590	19.08	ug/l	94
32) 1,1,1-Trichloroethane	7.716	97	34338	19.68	ug/l	97
36) 1,1-Dichloropropene	7.929	75	28191	19.56	ug/l	100
37) Ethyl Acetate	7.088	43	15748	19.31	ug/l #	95
38) Carbon Tetrachloride	7.911	117	32039	20.57	ug/l	99
39) Methylcyclohexane	9.185	83	34658	20.17	ug/l	96
40) Benzene	8.173	78	77980	19.57	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	9350m	17.38	ug/l	
42) 1,2-Dichloroethane	8.246	62	26986	19.67	ug/l	100
43) Isopropyl Acetate	8.283	43	30535	19.25	ug/l	95
44) Trichloroethene	8.947	130	21997	19.97	ug/l	97
45) 1,2-Dichloropropane	9.222	63	19030	19.29	ug/l	98
46) Dibromomethane	9.313	93	11482	20.37	ug/l	94
47) Bromodichloromethane	9.502	83	28778	19.74	ug/l	98
48) Methyl methacrylate	9.295	41	14439	18.63	ug/l	93
49) 1,4-Dioxane	9.313	88	2780	463.74	ug/l	88
51) 4-Methyl-2-Pentanone	10.075	43	78331	96.69	ug/l	94
52) Toluene	10.246	92	49637	19.73	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	30086	19.59	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	33569	19.72	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	16184	20.71	ug/l	96
56) Ethyl methacrylate	10.514	69	21828	19.57	ug/l	96
57) 1,3-Dichloropropane	10.794	76	28508	20.37	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	53123	105.03	ug/l	98
59) 2-Hexanone	10.837	43	55790	98.24	ug/l	93
60) Dibromochloromethane	10.990	129	21217	20.83	ug/l	100
61) 1,2-Dibromoethane	11.093	107	16075	20.56	ug/l	98
64) Tetrachloroethene	10.721	164	24260	20.46	ug/l	97
65) Chlorobenzene	11.520	112	53947	20.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	21367	20.43	ug/l	98
67) Ethyl Benzene	11.593	91	100185	19.93	ug/l	99
68) m/p-Xylenes	11.703	106	73741	39.59	ug/l	98
69) o-Xylene	12.032	106	34943	20.16	ug/l	100
70) Styrene	12.044	104	59942	20.05	ug/l	99
71) Bromoform	12.209	173	14249	21.29	ug/l #	97
73) Isopropylbenzene	12.331	105	97936	19.60	ug/l	97
74) N-amyl acetate	12.142	43	27248	18.55	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	18320	20.22	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	13469m	19.15	ug/l	
77) Bromobenzene	12.611	156	24815	20.04	ug/l	95
78) n-propylbenzene	12.672	91	116966	19.67	ug/l	100
79) 2-Chlorotoluene	12.757	91	66407	19.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	85679	19.98	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	7511	20.41	ug/l	96
82) 4-Chlorotoluene	12.855	91	69689	19.35	ug/l	99
83) tert-Butylbenzene	13.075	119	73108	20.51	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	84389	19.63	ug/l	100
85) sec-Butylbenzene	13.257	105	99307	20.10	ug/l	100
86) p-Isopropyltoluene	13.373	119	92989	20.18	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	46727	20.02	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	46301	20.08	ug/l	98
89) n-Butylbenzene	13.696	91	85663	20.02	ug/l	99
90) Hexachloroethane	13.965	117	16631	19.71	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	42032	20.21	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3924	21.01	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	31265	21.72	ug/l	98
94) Hexachlorobutadiene	15.111	225	20489	22.15	ug/l	98
95) Naphthalene	15.239	128	57319	21.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	27789	22.41	ug/l	98

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

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