

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012821\
 Data File : VY003952.D
 Acq On : 28 Jan 2021 12:23
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

SAM
 2/1/2021 3:35:18 PM

Quant Time: Jan 28 18:03:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 28 18:02:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	99300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	148911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	136358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	11118	10.18	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.36%#		
35) Dibromofluoromethane	7.728	113	8470	9.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.46%#		
50) Toluene-d8	10.185	98	34590	10.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.24%#		
62) 4-Bromofluorobenzene	12.477	95	12146	9.75	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.50%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	10810	10.98	ug/l	98
3) Chloromethane	2.119	50	13206	10.65	ug/l	100
4) Vinyl Chloride	2.259	62	13278	10.27	ug/l	99
5) Bromomethane	2.662	94	9473	10.29	ug/l	94
6) Chloroethane	2.802	64	8493	10.48	ug/l	100
7) Trichlorofluoromethane	3.137	101	18021	10.06	ug/l	98
8) Diethyl Ether	3.540	74	5380	9.60	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.918	101	9219	9.97	ug/l	98
10) Methyl Iodide	4.107	142	10585	9.25	ug/l	97
11) Tert butyl alcohol	4.972	59	7417	66.18	ug/l #	86
12) 1,1-Dichloroethene	3.887	96	9199	10.26	ug/l	96
13) Acrolein	3.747	56	4671	46.40	ug/l	98
14) Allyl chloride	4.503	41	16320	9.89	ug/l #	93
15) Acrylonitrile	5.186	53	13183	46.23	ug/l	98
16) Acetone	3.960	43	12537	46.77	ug/l	99
17) Carbon Disulfide	4.210	76	30465	10.34	ug/l	99
18) Methyl Acetate	4.497	43	5918	8.86	ug/l	95
19) Methyl tert-butyl Ether	5.247	73	26461	9.67	ug/l	91
20) Methylene Chloride	4.728	84	12882	11.32	ug/l	89
21) trans-1,2-Dichloroethene	5.241	96	10464	10.14	ug/l	87
22) Diisopropyl ether	6.137	45	33378	10.16	ug/l	94
23) Vinyl Acetate	6.082	43	105479	47.14	ug/l	97
24) 1,1-Dichloroethane	6.033	63	18336	10.07	ug/l	96
25) 2-Butanone	7.002	43	17332	45.38	ug/l #	90
26) 2,2-Dichloropropane	7.002	77	17764	10.24	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	11460	10.01	ug/l	99
28) Bromochloromethane	7.350	49	7455	9.51	ug/l #	82
29) Tetrahydrofuran	7.362	42	10761	44.21	ug/l	94
30) Chloroform	7.521	83	19935	10.42	ug/l	95
31) Cyclohexane	7.795	56	18880	10.30	ug/l #	83
32) 1,1,1-Trichloroethane	7.716	97	17674	10.01	ug/l	98
36) 1,1-Dichloropropene	7.929	75	14808	9.83	ug/l	98
37) Ethyl Acetate	7.088	43	7592	8.91	ug/l	97
38) Carbon Tetrachloride	7.911	117	16403	10.08	ug/l	97
39) Methylcyclohexane	9.191	83	17891	9.97	ug/l	98
40) Benzene	8.167	78	42239	10.15	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	5237m	7.91	ug/l	
42) 1,2-Dichloroethane	8.246	62	14265	9.95	ug/l	99
43) Isopropyl Acetate	8.283	43	14659	8.85	ug/l #	90
44) Trichloroethene	8.947	130	11795	10.25	ug/l	97
45) 1,2-Dichloropropane	9.222	63	10266	9.96	ug/l	99
46) Dibromomethane	9.313	93	5960	10.12	ug/l	97
47) Bromodichloromethane	9.502	83	15370	10.09	ug/l	97
48) Methyl methacrylate	9.295	41	7688	9.50	ug/l	98
49) 1,4-Dioxane	9.301	88	1157	177.07	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	37601	44.43	ug/l	96
52) Toluene	10.246	92	25931	9.87	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	15271	9.52	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	17709	9.96	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	7737	9.48	ug/l	95
56) Ethyl methacrylate	10.508	69	10208	8.76	ug/l	95
57) 1,3-Dichloropropane	10.794	76	14501	9.92	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	26726	50.58	ug/l	97
59) 2-Hexanone	10.837	43	25825	43.53	ug/l	99
60) Dibromochloromethane	10.989	129	10315	9.70	ug/l	99
61) 1,2-Dibromoethane	11.093	107	7821	9.58	ug/l	97
64) Tetrachloroethene	10.721	164	12311	10.07	ug/l	95
65) Chlorobenzene	11.520	112	27518	9.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	10794	10.01	ug/l	100
67) Ethyl Benzene	11.593	91	51614	9.96	ug/l	99
68) m/p-Xylenes	11.703	106	38596	20.10	ug/l	100
69) o-Xylene	12.032	106	17912	10.03	ug/l	100
70) Styrene	12.044	104	30344	9.84	ug/l	98
71) Bromoform	12.209	173	6408	9.29	ug/l #	94
73) Isopropylbenzene	12.331	105	49964	9.96	ug/l	98
74) N-amyl acetate	12.142	43	13318	9.03	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	8368	9.20	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	6402m	7.23	ug/l	
77) Bromobenzene	12.611	156	12156	9.77	ug/l	97
78) n-propylbenzene	12.672	91	60082	10.06	ug/l	99
79) 2-Chlorotoluene	12.757	91	33912	9.92	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	43628	10.13	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	3342	9.04	ug/l #	94
82) 4-Chlorotoluene	12.855	91	36583	10.12	ug/l	100
83) tert-Butylbenzene	13.074	119	36019	10.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	43613	10.10	ug/l	98
85) sec-Butylbenzene	13.251	105	49828	10.04	ug/l	100
86) p-Isopropyltoluene	13.367	119	46443	10.03	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	23294	9.94	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	23396	10.11	ug/l	96
89) n-Butylbenzene	13.696	91	43846	10.20	ug/l	99
90) Hexachloroethane	13.958	117	8207	9.69	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	21248	10.17	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1763	9.40	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	14900	10.31	ug/l	95
94) Hexachlorobutadiene	15.111	225	10201	10.98	ug/l	95
95) Naphthalene	15.239	128	24759	9.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	12731	10.22	ug/l	97

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

