

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082021\
 Data File : VY005786.D
 Acq On : 20 Aug 2021 12:20
 Operator : SY/MD
 Sample : VY0820SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBS01

Manual Integrations
 APPROVED

SAM
 8/23/2021 11:05:26 AM

Quant Time: Aug 23 01:05:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	199819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	267649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	104272	51.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.100%			
35) Dibromofluoromethane	7.722	113	85878	52.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.920%			
50) Toluene-d8	10.185	98	347015	51.022	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.483	95	118836	52.763	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43571	26.549	ug/l	91
3) Chloromethane	2.119	50	50770	25.898	ug/l	99
4) Vinyl Chloride	2.260	62	65988	28.102	ug/l	98
5) Bromomethane	2.650	94	44342	28.689	ug/l	99
6) Chloroethane	2.796	64	41257	29.108	ug/l	99
7) Trichlorofluoromethane	3.131	101	84671	26.931	ug/l	99
8) Diethyl Ether	3.534	74	29429	26.801	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	47479	27.842	ug/l	98
10) Methyl Iodide	4.101	142	45737	21.528	ug/l	98
11) Tert butyl alcohol	4.960	59	20548	102.763	ug/l	100
12) 1,1-Dichloroethene	3.875	96	45792	26.592	ug/l	98
13) Acrolein	3.735	56	10651	88.287	ug/l	99
14) Allyl chloride	4.485	41	70797	23.473	ug/l	99
15) Acrylonitrile	5.168	53	65005	115.513	ug/l	99
16) Acetone	3.954	43	69589	136.459	ug/l	96
17) Carbon Disulfide	4.204	76	119742	22.557	ug/l	99
18) Methyl Acetate	4.485	43	30536	22.895	ug/l	100
19) Methyl tert-butyl Ether	5.229	73	121857	22.842	ug/l	100
20) Methylene Chloride	4.722	84	55835	24.534	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	44473	23.100	ug/l	96
22) Diisopropyl ether	6.125	45	150730	24.224	ug/l	97
23) Vinyl Acetate	6.064	43	481207	116.207	ug/l	100
24) 1,1-Dichloroethane	6.021	63	83695	24.271	ug/l	98
25) 2-Butanone	6.990	43	87505	116.081	ug/l	97
26) 2,2-Dichloropropane	6.984	77	78522	24.923	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	50885	23.238	ug/l	97
28) Bromochloromethane	7.338	49	36928	26.831	ug/l	99
29) Tetrahydrofuran	7.356	42	54703	109.715	ug/l	98
30) Chloroform	7.515	83	84615	24.041	ug/l	96
31) Cyclohexane	7.789	56	80318	23.150	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	78777	24.349	ug/l	99
36) 1,1-Dichloropropene	7.923	75	65658	24.168	ug/l	100
37) Ethyl Acetate	7.082	43	37929	23.045	ug/l	100
38) Carbon Tetrachloride	7.905	117	72619	24.594	ug/l	100
39) Methylcyclohexane	9.185	83	80172	23.195	ug/l	98
40) Benzene	8.167	78	184521	23.718	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	19632m	21.984	ug/l	
42) 1,2-Dichloroethane	8.240	62	61527	24.381	ug/l	98
43) Isopropyl Acetate	8.277	43	72441	23.248	ug/l	99
44) Trichloroethene	8.941	130	50844	23.945	ug/l	99
45) 1,2-Dichloropropane	9.222	63	47243	24.273	ug/l	99
46) Dibromomethane	9.307	93	25257	23.469	ug/l	98
47) Bromodichloromethane	9.502	83	64531	23.959	ug/l	99
48) Methyl methacrylate	9.295	41	32302	22.938	ug/l	96
49) 1,4-Dioxane	9.307	88	6739	450.569	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	193605	117.981	ug/l	99
52) Toluene	10.246	92	119990	24.188	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	70629	23.464	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	78294	23.968	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	36721	23.583	ug/l	96
56) Ethyl methacrylate	10.514	69	53990	23.156	ug/l	99
57) 1,3-Dichloropropane	10.795	76	65432	23.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	120991	108.601	ug/l	100
59) 2-Hexanone	10.837	43	136015	117.271	ug/l	99
60) Dibromochloromethane	10.984	129	45973	23.857	ug/l	100
61) 1,2-Dibromoethane	11.093	107	34574	23.440	ug/l	99
64) Tetrachloroethene	10.721	164	50848	24.959	ug/l	98
65) Chlorobenzene	11.520	112	128565	23.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	47952	23.655	ug/l	99
67) Ethyl Benzene	11.593	91	230986	23.651	ug/l	98
68) m/p-Xylenes	11.703	106	179702	47.373	ug/l	100
69) o-Xylene	12.032	106	85184	23.364	ug/l	100
70) Styrene	12.044	104	145923	23.778	ug/l	99
71) Bromoform	12.209	173	30464	23.174	ug/l #	98
73) Isopropylbenzene	12.331	105	228819	22.661	ug/l	99
74) N-amyl acetate	12.142	43	67328	22.150	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	42692	21.982	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29522m	19.693	ug/l	
77) Bromobenzene	12.611	156	55635	22.426	ug/l	96
78) n-propylbenzene	12.672	91	279162	23.277	ug/l	99
79) 2-Chlorotoluene	12.758	91	154911	23.003	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	192707	22.996	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16505	22.195	ug/l	99
82) 4-Chlorotoluene	12.855	91	161526	23.181	ug/l	99
83) tert-Butylbenzene	13.075	119	169388	22.526	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	192144	23.237	ug/l	99
85) sec-Butylbenzene	13.251	105	253731	23.394	ug/l	99
86) p-Isopropyltoluene	13.367	119	217428	23.350	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	110980	22.926	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	112133	23.351	ug/l	99
89) n-Butylbenzene	13.696	91	199562	23.656	ug/l	99
90) Hexachloroethane	13.959	117	39730	23.731	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	99273	23.217	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8087	21.965	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	69170	23.550	ug/l	100
94) Hexachlorobutadiene	15.111	225	45783	24.074	ug/l	100
95) Naphthalene	15.239	128	129002	22.280	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	60766	23.352	ug/l	99

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

