

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041921\
 Data File : VY004512.D
 Acq On : 19 Apr 2021 20:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/20/2021 9:45:38 AM

Quant Time: Apr 20 01:52:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	132030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	220844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	205497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98306	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	87724	59.80	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.60%			
35) Dibromofluoromethane	7.728	113	67927	55.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.84%			
50) Toluene-d8	10.185	98	292433	56.10	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.20%			
62) 4-Bromofluorobenzene	12.483	95	99438	56.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.42%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	62055	50.73	ug/l	98
3) Chloromethane	2.119	50	93639	52.94	ug/l	97
4) Vinyl Chloride	2.260	62	109086	58.39	ug/l	100
5) Bromomethane	2.656	94	51623	56.64	ug/l	99
6) Chloroethane	2.802	64	61875	55.24	ug/l	97
7) Trichlorofluoromethane	3.131	101	121389	51.96	ug/l	98
8) Diethyl Ether	3.540	74	45754	57.94	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	68173	52.60	ug/l	99
10) Methyl Iodide	4.101	142	77115	49.72	ug/l	100
11) Tert butyl alcohol	4.979	59	43881	303.53	ug/l	99
12) 1,1-Dichloroethene	3.881	96	66796	52.12	ug/l	96
13) Acrolein	3.741	56	41829	260.28	ug/l	98
14) Allyl chloride	4.491	41	136024	55.49	ug/l	98
15) Acrylonitrile	5.180	53	127915	301.92	ug/l	97
16) Acetone	3.960	43	103777	340.25	ug/l	97
17) Carbon Disulfide	4.204	76	202075	51.21	ug/l	100
18) Methyl Acetate	4.491	43	62323	61.00	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	223144	57.95	ug/l	99
20) Methylene Chloride	4.729	84	88816	62.69	ug/l	97
21) trans-1,2-Dichloroethene	5.229	96	79189	54.61	ug/l	98
22) Diisopropyl ether	6.131	45	304327	58.74	ug/l	98
23) Vinyl Acetate	6.076	43	1047743	297.06	ug/l	99
24) 1,1-Dichloroethane	6.033	63	148270	56.02	ug/l	98
25) 2-Butanone	6.996	43	179376	321.01	ug/l	98
26) 2,2-Dichloropropane	6.990	77	119564	50.34	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	90028	55.49	ug/l	100
28) Bromochloromethane	7.344	49	75056	62.39	ug/l	98
29) Tetrahydrofuran	7.356	42	124711	312.37	ug/l	98
30) Chloroform	7.515	83	147054	56.54	ug/l	99
31) Cyclohexane	7.795	56	133976	49.82	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	127967	54.23	ug/l	99
36) 1,1-Dichloropropene	7.929	75	112027	51.05	ug/l	99
37) Ethyl Acetate	7.088	43	84793	60.00	ug/l	98
38) Carbon Tetrachloride	7.911	117	102269	53.91	ug/l	99
39) Methylcyclohexane	9.185	83	136761	50.62	ug/l	98
40) Benzene	8.167	78	335763	54.44	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	50457m	58.92	ug/l	
42) 1,2-Dichloroethane	8.246	62	105928	54.76	ug/l	100
43) Isopropyl Acetate	8.283	43	159112	59.39	ug/l	99
44) Trichloroethene	8.947	130	88684	52.74	ug/l	94
45) 1,2-Dichloropropane	9.222	63	89209	56.05	ug/l	100
46) Dibromomethane	9.313	93	48520	55.99	ug/l	98
47) Bromodichloromethane	9.502	83	118124	56.31	ug/l	99
48) Methyl methacrylate	9.295	41	72708	58.93	ug/l	98
49) 1,4-Dioxane	9.301	88	13772	1216.90	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	422128	306.75	ug/l	100
52) Toluene	10.246	92	209156	52.41	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	125923	54.42	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	142921	54.39	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	67549	56.57	ug/l	98
56) Ethyl methacrylate	10.514	69	100605	58.10	ug/l	97
57) 1,3-Dichloropropane	10.795	76	121030	56.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	262842	296.69	ug/l	99
59) 2-Hexanone	10.837	43	292393	316.96	ug/l	99
60) Dibromochloromethane	10.990	129	81193	57.22	ug/l	100
61) 1,2-Dibromoethane	11.093	107	66088	57.41	ug/l	98
64) Tetrachloroethene	10.721	164	92622	51.77	ug/l	96
65) Chlorobenzene	11.520	112	219547	52.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	80574	53.83	ug/l	99
67) Ethyl Benzene	11.593	91	406585	51.82	ug/l	98
68) m/p-Xylenes	11.703	106	301440	103.39	ug/l	99
69) o-Xylene	12.032	106	143395	52.48	ug/l	100
70) Styrene	12.044	104	242759	53.64	ug/l	99
71) Bromoform	12.209	173	48379	54.50	ug/l #	100
73) Isopropylbenzene	12.331	105	385591	50.76	ug/l	100
74) N-amyl acetate	12.148	43	146754	57.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	79910	55.60	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	56069m	53.14	ug/l	
77) Bromobenzene	12.611	156	88494	51.97	ug/l	99
78) n-propylbenzene	12.672	91	456910	50.91	ug/l	99
79) 2-Chlorotoluene	12.758	91	252957	51.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	322697	52.26	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	30722	52.09	ug/l	99
82) 4-Chlorotoluene	12.855	91	264667	51.07	ug/l	100
83) tert-Butylbenzene	13.075	119	263883	49.93	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	323902	51.98	ug/l	99
85) sec-Butylbenzene	13.258	105	376807	51.11	ug/l	99
86) p-Isopropyltoluene	13.373	119	345428	51.51	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	165599	52.07	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	163793	51.16	ug/l	100
89) n-Butylbenzene	13.697	91	321533	50.23	ug/l	100
90) Hexachloroethane	13.965	117	49962	55.53	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	148882	52.74	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13640	52.89	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	92605	49.61	ug/l	99
94) Hexachlorobutadiene	15.117	225	49203	50.49	ug/l	99
95) Naphthalene	15.239	128	216442	53.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	84141	51.10	ug/l	99

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

