

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004391.D
 Acq On : 12 Apr 2021 17:58
 Operator : SY/MD
 Sample : M1998-10MSD
 Misc : 3.51G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5A

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:09:48 PM

Quant Time: Apr 13 03:56:53 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	159490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	263401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	210946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	86113	48.60	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.20%
35) Dibromofluoromethane	7.728	113	34678	23.72	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	47.44%#
50) Toluene-d8	10.185	98	287493	46.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.48%
62) 4-Bromofluorobenzene	12.483	95	80684	38.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.48%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	77473	52.43	ug/l	98
3) Chloromethane	2.119	50	106988	50.07	ug/l	98
4) Vinyl Chloride	2.259	62	119665	53.03	ug/l	98
5) Bromomethane	2.662	94	51062	46.38	ug/l	99
6) Chloroethane	2.802	64	71574	52.90	ug/l	100
7) Trichlorofluoromethane	3.137	101	138517	49.08	ug/l	99
8) Diethyl Ether	3.540	74	47727	50.03	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.918	101	68174	43.55	ug/l	99
10) Methyl Iodide	4.101	142	78868	42.09	ug/l	99
11) Tert butyl alcohol	4.978	59	35408	202.75	ug/l	98
12) 1,1-Dichloroethene	3.881	96	79221	51.17	ug/l	99
13) Acrolein	3.741	56	3146	16.21	ug/l	99
14) Allyl chloride	4.497	41	129804	43.84	ug/l	98
15) Acrylonitrile	5.186	53	111272	217.42	ug/l	100
16) Acetone	3.960	43	141951	388.04	ug/l	97
17) Carbon Disulfide	4.204	76	216947	45.51	ug/l	100
18) Methyl Acetate	4.491	43	22469	18.20	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	228631	49.15	ug/l	100
20) Methylene Chloride	4.735	84	93219	54.47	ug/l	98
21) trans-1,2-Dichloroethene	5.235	96	87476	49.94	ug/l	99
22) Diisopropyl ether	6.137	45	308412	49.28	ug/l	91
24) 1,1-Dichloroethane	6.033	63	164883	51.57	ug/l	99
25) 2-Butanone	7.003	43	154546	228.95	ug/l	96
26) 2,2-Dichloropropane	6.996	77	142133	49.54	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	98790	50.41	ug/l	100
28) Bromochloromethane	7.350	49	79184	54.49	ug/l	99
29) Tetrahydrofuran	7.362	42	102911	213.39	ug/l	99
30) Chloroform	7.521	83	161686	51.46	ug/l	100
31) Cyclohexane	7.795	56	116706	35.93	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	141062	49.48	ug/l	100
36) 1,1-Dichloropropene	7.929	75	119773	45.76	ug/l	100
37) Ethyl Acetate	7.088	43	38098	22.60	ug/l	99
38) Carbon Tetrachloride	7.911	117	92470	40.87	ug/l	97
39) Methylcyclohexane	9.185	83	76864	23.85	ug/l	99
40) Benzene	8.173	78	361486	49.14	ug/l	99
41) Methacrylonitrile	7.320	41	42073m	41.19	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.246	62	109613	47.51	ug/l	99
43) Isopropyl Acetate	8.283	43	123618	38.69	ug/l	97
44) Trichloroethene	8.947	130	161251	80.40	ug/l	97
45) 1,2-Dichloropropane	9.222	63	92975	48.98	ug/l	99
46) Dibromomethane	9.313	93	48046	46.49	ug/l	100
47) Bromodichloromethane	9.502	83	119066	47.59	ug/l	96
48) Methyl methacrylate	9.301	41	44452	30.21	ug/l	97
49) 1,4-Dioxane	9.307	88	11689	865.97	ug/l #	91
51) 4-Methyl-2-Pentanone	10.075	43	361748	220.40	ug/l	100
52) Toluene	10.252	92	217960	45.79	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	117430	42.55	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	127890	40.80	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	65494	45.99	ug/l	98
56) Ethyl methacrylate	10.514	69	77896	37.72	ug/l	97
57) 1,3-Dichloropropane	10.794	76	118400	46.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	271614	257.05	ug/l	99
59) 2-Hexanone	10.837	43	237724	216.06	ug/l	100
60) Dibromochloromethane	10.990	129	75644	44.70	ug/l	99
61) 1,2-Dibromoethane	11.093	107	61284	44.63	ug/l	98
64) Tetrachloroethene	10.721	164	118262	64.40	ug/l	98
65) Chlorobenzene	11.520	112	204418	47.49	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	76644	49.88	ug/l	99
67) Ethyl Benzene	11.599	91	367393	45.61	ug/l	99
68) m/p-Xylenes	11.709	106	270931	90.52	ug/l	100
69) o-Xylene	12.032	106	127575	45.49	ug/l	98
70) Styrene	12.050	104	218845	47.11	ug/l	99
71) Bromoform	12.215	173	42285	46.40	ug/l #	100
73) Isopropylbenzene	12.331	105	289743	50.60	ug/l	100
74) N-amyl acetate	12.148	43	89431	46.39	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.593	83	1140	1.05	ug/l #	71
76) 1,2,3-Trichloropropane	12.636	75	51261m	64.45	ug/l	
77) Bromobenzene	12.611	156	75969	59.18	ug/l	99
78) n-propylbenzene	12.672	91	312573	46.20	ug/l	99
79) 2-Chlorotoluene	12.758	91	191578	51.78	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	217132	46.65	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20030	45.05	ug/l #	76
82) 4-Chlorotoluene	12.855	91	204111	52.24	ug/l	100
83) tert-Butylbenzene	13.081	119	156792	39.36	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	222749	47.42	ug/l	100
85) sec-Butylbenzene	13.257	105	184953	33.28	ug/l	100
86) p-Isopropyltoluene	13.373	119	173267	34.28	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	112476	46.91	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	116033	48.08	ug/l	99
89) n-Butylbenzene	13.703	91	130102	26.96	ug/l	100
90) Hexachloroethane	13.965	117	15568	22.95	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	101686	47.78	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11204	57.63	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	37340	26.54	ug/l	98
94) Hexachlorobutadiene	15.111	225	7443	10.13	ug/l	98
95) Naphthalene	15.239	128	138288	45.21	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	31909	25.71	ug/l	98

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

