

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041321\
 Data File : VY004408.D
 Acq On : 13 Apr 2021 14:20
 Operator : SY/MD
 Sample : M1998-10MSD
 Misc : 3.69G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5AMSD

Manual Integrations
 APPROVED

MMDadoda
 4/14/2021 6:27:22 PM

Quant Time: Apr 14 01:26:33 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	179689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	297779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	241095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83350	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	113891	57.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.10%			
35) Dibromofluoromethane	7.728	113	69404	42.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.00%			
50) Toluene-d8	10.185	98	358104	50.95	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.90%			
62) 4-Bromofluorobenzene	12.483	95	105263	44.13	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.26%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	93656	56.26	ug/l	99
3) Chloromethane	2.125	50	131409	54.59	ug/l	98
4) Vinyl Chloride	2.259	62	147252	57.92	ug/l	97
5) Bromomethane	2.656	94	60151	48.49	ug/l	98
6) Chloroethane	2.802	64	84386	55.36	ug/l	100
7) Trichlorofluoromethane	3.131	101	169440	53.29	ug/l	97
8) Diethyl Ether	3.540	74	60930	56.70	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	83627	47.41	ug/l	99
10) Methyl Iodide	4.101	142	97299	46.09	ug/l	99
11) Tert butyl alcohol	4.984	59	47168	239.73	ug/l	99
12) 1,1-Dichloroethene	3.881	96	93639	53.69	ug/l	97
13) Acrolein	3.741	56	3577	16.35	ug/l	94
14) Allyl chloride	4.497	41	164934	49.44	ug/l	97
15) Acrylonitrile	5.180	53	160054	277.58	ug/l	99
16) Acetone	3.960	43	202560	497.03	ug/l	100
17) Carbon Disulfide	4.204	76	289687	53.94	ug/l	100
18) Methyl Acetate	4.491	43	67514	48.55	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	298683	56.99	ug/l	100
20) Methylene Chloride	4.728	84	111581	57.87	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	106540	53.98	ug/l	95
22) Diisopropyl ether	6.131	45	370463	52.54	ug/l	92
24) 1,1-Dichloroethane	6.033	63	195671	54.32	ug/l	99
25) 2-Butanone	7.002	43	217701	286.26	ug/l	97
26) 2,2-Dichloropropane	6.990	77	171609	53.09	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	119284	54.02	ug/l	99
28) Bromochloromethane	7.344	49	96428	58.90	ug/l	99
29) Tetrahydrofuran	7.362	42	147041	270.62	ug/l	99
30) Chloroform	7.521	83	190287	53.75	ug/l	100
31) Cyclohexane	7.795	56	142193	38.85	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	166266	51.77	ug/l	99
36) 1,1-Dichloropropene	7.923	75	142047	48.01	ug/l	99
37) Ethyl Acetate	7.088	43	83193	43.66	ug/l	99
38) Carbon Tetrachloride	7.911	117	116199	45.43	ug/l	98
39) Methylcyclohexane	9.191	83	106963	29.36	ug/l	98
40) Benzene	8.167	78	432078	51.96	ug/l	100
41) Methacrylonitrile	7.332	41	59741m	51.73	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.246	62	137943	52.88	ug/l	100
43) Isopropyl Acetate	8.283	43	189626	52.49	ug/l	99
44) Trichloroethene	8.947	130	174280	76.86	ug/l	97
45) 1,2-Dichloropropane	9.222	63	111493	51.95	ug/l	99
46) Dibromomethane	9.313	93	61224	52.40	ug/l	100
47) Bromodichloromethane	9.502	83	149177	52.74	ug/l	99
48) Methyl methacrylate	9.301	41	81834	49.19	ug/l	98
49) 1,4-Dioxane	9.307	88	13916	911.94	ug/l #	83
51) 4-Methyl-2-Pentanone	10.075	43	508730	274.17	ug/l	100
52) Toluene	10.246	92	255175	47.42	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	153892	49.33	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	163627	46.18	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	84714	52.62	ug/l	98
56) Ethyl methacrylate	10.514	69	121400	52.00	ug/l	99
57) 1,3-Dichloropropane	10.794	76	150995	52.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	352315	294.93	ug/l	100
59) 2-Hexanone	10.837	43	335259	269.53	ug/l	100
60) Dibromochloromethane	10.990	129	96955	50.67	ug/l	100
61) 1,2-Dibromoethane	11.093	107	81049	52.22	ug/l	100
64) Tetrachloroethene	10.721	164	134786	64.22	ug/l	98
65) Chlorobenzene	11.520	112	245599	49.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	93312	53.14	ug/l	99
67) Ethyl Benzene	11.593	91	429733	46.68	ug/l	99
68) m/p-Xylenes	11.703	106	312572	91.38	ug/l	100
69) o-Xylene	12.032	106	151196	47.17	ug/l	100
70) Styrene	12.044	104	255354	48.09	ug/l	99
71) Bromoform	12.209	173	54792	52.61	ug/l #	99
73) Isopropylbenzene	12.331	105	331769	51.51	ug/l	99
74) N-amyl acetate	12.148	43	164790	76.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	23110	18.97	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	68139m	76.17	ug/l	
77) Bromobenzene	12.611	156	90717	62.84	ug/l	97
78) n-propylbenzene	12.672	91	350954	46.12	ug/l	99
79) 2-Chlorotoluene	12.758	91	218882	52.60	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	243006	46.42	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	27216	54.42	ug/l #	78
82) 4-Chlorotoluene	12.855	91	231731	52.74	ug/l	100
83) tert-Butylbenzene	13.081	119	176444	39.38	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	251450	47.60	ug/l	100
85) sec-Butylbenzene	13.257	105	208485	33.36	ug/l	99
86) p-Isopropyltoluene	13.373	119	189596	33.35	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	127019	47.11	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	130545	48.10	ug/l	99
89) n-Butylbenzene	13.696	91	141411	26.06	ug/l	99
90) Hexachloroethane	13.965	117	18705	24.52	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	116608	48.72	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15413	70.49	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	40648	25.68	ug/l	96
94) Hexachlorobutadiene	15.111	225	9123	11.04	ug/l	96
95) Naphthalene	15.239	128	178940	52.01	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	35069	25.12	ug/l	96

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

