

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041321\
 Data File : VY004407.D
 Acq On : 13 Apr 2021 13:58
 Operator : SY/MD
 Sample : M1998-09MS
 Misc : 3.48G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5AMS

Manual Integrations
 APPROVED

MMDadoda
 4/14/2021 6:27:23 PM

Quant Time: Apr 14 01:25:56 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	182018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	308310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	254167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90917	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	114475	56.61	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.22%			
35) Dibromofluoromethane	7.728	113	78706	46.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.00%			
50) Toluene-d8	10.185	98	369340	50.75	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.50%			
62) 4-Bromofluorobenzene	12.483	95	108583	43.97	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	88228	52.32	ug/l	99
3) Chloromethane	2.125	50	125498	51.46	ug/l	99
4) Vinyl Chloride	2.259	62	143862	55.86	ug/l	99
5) Bromomethane	2.662	94	66844	53.20	ug/l	98
6) Chloroethane	2.802	64	82711	53.56	ug/l	98
7) Trichlorofluoromethane	3.137	101	165898	51.51	ug/l	98
8) Diethyl Ether	3.540	74	58272	53.53	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	77761	43.52	ug/l	99
10) Methyl Iodide	4.107	142	107662	50.35	ug/l	99
11) Tert butyl alcohol	4.978	59	42645	213.97	ug/l	98
12) 1,1-Dichloroethene	3.881	96	91579	51.84	ug/l	94
13) Acrolein	3.741	56	2604	11.75	ug/l	95
14) Allyl chloride	4.491	41	171244	50.68	ug/l	99
15) Acrylonitrile	5.180	53	141186	241.73	ug/l	99
16) Acetone	3.960	43	134893	319.62	ug/l	98
17) Carbon Disulfide	4.204	76	282407	51.91	ug/l	99
18) Methyl Acetate	4.491	43	85811	60.92	ug/l	99
19) Methyl tert-butyl Ether	5.240	73	279887	52.72	ug/l	99
20) Methylene Chloride	4.734	84	109105	55.86	ug/l	96
21) trans-1,2-Dichloroethene	5.234	96	103885	51.97	ug/l	98
22) Diisopropyl ether	6.137	45	361304	50.58	ug/l	91
24) 1,1-Dichloroethane	6.033	63	192611	52.78	ug/l	100
25) 2-Butanone	7.002	43	179324	232.78	ug/l	97
26) 2,2-Dichloropropane	6.996	77	168522	51.47	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	115665	51.71	ug/l	99
28) Bromochloromethane	7.344	49	94477	56.97	ug/l	98
29) Tetrahydrofuran	7.362	42	128676	233.79	ug/l	98
30) Chloroform	7.521	83	185812	51.82	ug/l	99
31) Cyclohexane	7.795	56	129304	34.88	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	163522	50.26	ug/l	99
36) 1,1-Dichloropropene	7.929	75	140206	45.77	ug/l	99
37) Ethyl Acetate	7.088	43	73586	37.30	ug/l	99
38) Carbon Tetrachloride	7.911	117	118988	44.93	ug/l	99
39) Methylcyclohexane	9.185	83	86401	22.91	ug/l	98
40) Benzene	8.167	78	421614	48.97	ug/l	99
41) Methacrylonitrile	7.344	41	61928m	51.80	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.246	62	132442	49.04	ug/l	100
43) Isopropyl Acetate	8.283	43	166646	44.56	ug/l	99
44) Trichloroethene	8.947	130	159149	67.79	ug/l	98
45) 1,2-Dichloropropane	9.221	63	109197	49.14	ug/l	99
46) Dibromomethane	9.313	93	56825	46.97	ug/l	99
47) Bromodichloromethane	9.502	83	143251	48.91	ug/l	100
48) Methyl methacrylate	9.301	41	80853	46.94	ug/l	98
49) 1,4-Dioxane	9.307	88	13701	867.18	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	447420	232.89	ug/l	100
52) Toluene	10.246	92	252761	45.37	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	154340	47.78	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	173639	47.33	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	79394	47.63	ug/l	98
56) Ethyl methacrylate	10.514	69	108765	45.00	ug/l	100
57) 1,3-Dichloropropane	10.794	76	143243	48.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	331956	268.40	ug/l	100
59) 2-Hexanone	10.837	43	293271	227.72	ug/l	100
60) Dibromochloromethane	10.989	129	93179	47.04	ug/l	99
61) 1,2-Dibromoethane	11.093	107	75907	47.23	ug/l	100
64) Tetrachloroethene	10.721	164	135669	61.31	ug/l	98
65) Chlorobenzene	11.520	112	243841	47.01	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	91204	49.27	ug/l	99
67) Ethyl Benzene	11.593	91	431270	44.44	ug/l	97
68) m/p-Xylenes	11.709	106	312803	86.74	ug/l	99
69) o-Xylene	12.032	106	151408	44.80	ug/l	100
70) Styrene	12.050	104	255007	45.56	ug/l	99
71) Bromoform	12.215	173	53251	48.50	ug/l #	100
73) Isopropylbenzene	12.331	105	334544	47.62	ug/l	99
74) N-amyl acetate	12.148	43	148467	62.77	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	35445	26.67	ug/l	95
76) 1,2,3-Trichloropropane	12.635	75	63727m	65.31	ug/l	
77) Bromobenzene	12.611	156	91077	57.84	ug/l	99
78) n-propylbenzene	12.672	91	361257	43.53	ug/l	99
79) 2-Chlorotoluene	12.757	91	225790	49.75	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	248320	43.49	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	31820	58.34	ug/l #	75
82) 4-Chlorotoluene	12.855	91	242155	50.52	ug/l	100
83) tert-Butylbenzene	13.074	119	177434	36.30	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	260657	45.23	ug/l	100
85) sec-Butylbenzene	13.257	105	208043	30.51	ug/l	100
86) p-Isopropyltoluene	13.373	119	196012	31.61	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	132966	45.21	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	136386	46.07	ug/l	100
89) n-Butylbenzene	13.702	91	146198	24.70	ug/l	99
90) Hexachloroethane	13.965	117	22250	26.74	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	120806	46.27	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13801	57.86	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	44311	25.67	ug/l	94
94) Hexachlorobutadiene	15.117	225	8436	9.36	ug/l	98
95) Naphthalene	15.239	128	187180	49.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	37872	24.87	ug/l	95

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

